

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

<b>Product name</b>	FUL-THANE 2K F/P BLACK
<b>Product code</b>	400-01
<b>reference number</b>	400-01
<b>Intended use of the substance/preparation</b> Coating for professional use	
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency telephone number	NZ Poisons Information Centre Ph: 0800 764 766 24-hour Emergency Number: (64)-9526 2501
Importer	Resene Paints Ltd.
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2013-08-28

## 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
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
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

Highly flammable liquid and vapour.  
Causes skin irritation.  
Causes serious eye irritation.  
Suspected of causing cancer.  
Suspected of damaging fertility or the unborn child.  
Causes damage to organs.  
May cause damage to organs through prolonged or repeated exposure.  
Toxic to aquatic life.  
Toxic to aquatic life with long lasting effects.

Precautionary statements

Keep container tightly closed.  
Avoid release to the environment.



Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
Do not eat, drink or smoke when using this product.  
Ground/bond container and receiving equipment.  
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
Obtain special instructions before use.  
Take precautionary measures against static discharge.  
Use explosion-proof electrical/ventilating/lighting equipment.  
Use only non-sparking tools.  
Wash hands after handling.  
Wear protective gloves/ eye protection/ face protection.  
Collect spillage.  
IF exposed: Call a POISON CENTER or doctor/ physician.  
If eye irritation persists: 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 ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
If skin irritation occurs, seek medical advice/attention.  
Specific treatment (see supplemental first aid instructions on this label).  
Store in a well-ventilated place. Keep cool.  
Store locked up.  
Dispose of contents/container in accordance with local regulation.

**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%	✓	
108-88-3	toluene	5 - 10%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	5 - 10%	✓	
763-69-9	ethyl 3-ethoxypropionate	3 - 5%	✓	
142-82-5	heptane (mixture of isomers)	3 - 5%	✓	
1330-20-7	xylene	3 - 5%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	1 - 3%	✓	
1333-86-4	carbon black	1 - 3%		
141-78-6	ethyl acetate	1 - 3%	✓	
112-07-2	2-butoxyethyl acetate	1 - 3%	✓	
108-10-1	4-methylpentan-2-one	1 - 3%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
78-93-3	butanone	0.3 - 1.0%	✓	
1317-65-3	Limestone (calcium carbonate)	0.1 - 0.3%		
91-20-3	Naphthalene	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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>
toluene	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
heptane (mixture of isomers)	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m <sup>3</sup>
	TWA	1,640 mg/m <sup>3</sup>
xylene	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>
carbon black	TWA	3 mg/m <sup>3</sup>
ethyl acetate	TWA	200 ppm
	TWA	720 mg/m <sup>3</sup>
4-methylpentan-2-one	TWA	50 ppm
	STEL	75 ppm
	STEL	307 mg/m <sup>3</sup>
	TWA	205 mg/m <sup>3</sup>
ethylbenzene	TWA	100 ppm



Chemical Name		
butanone	STEL	125 ppm
	STEL	543 mg/m3
	TWA	434 mg/m3
	TWA	150 ppm
	STEL	300 ppm
	STEL	890 mg/m3
Limestone (calcium carbonate)	TWA	445 mg/m3
	TWA	10 mg/m3
	TWA	10 ppm
Naphthalene	STEL	15 ppm
	STEL	79 mg/m3
	TWA	52 mg/m3
	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
ethyl acetate	Nitrile rubber	0.33 mm	10 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: black    Odour: Characteristic Paint Odor    Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	109 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.2 %	
Lower explosion limit	0.9 %	
Vapour pressure	11.8 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.97 g/cm <sup>3</sup>	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**

n-butyl acetate	Category 3
toluene	Category 2
low boiling point naphtha (<0,1% benzene)	Category 2
ethyl 3-ethoxypropionate	Category 3
heptane (mixture of isomers)	Category 2
xylene	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
ethyl acetate	Category 3
2-butoxyethyl acetate	Category 3
4-methylpentan-2-one	Category 3
ethylbenzene	Category 3
butanone	Category 3
Naphthalene	Category 3

**Serious eye damage/eye irritation**

toluene	Category 2B
low boiling point naphtha (<0,1% benzene)	Category 2A
heptane (mixture of isomers)	Category 2A
xylene	Category 2
ethyl acetate	Category 2
2-butoxyethyl acetate	Category 2A
4-methylpentan-2-one	Category 2
ethylbenzene	Category 2B
butanone	Category 2
Naphthalene	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**

Naphthalene Category 2

**Toxicity for reproduction**

toluene Category 2

**Target Organ Systemic Toxicant - Single exposure**• **Skin Absorption****Narcotic effects** toluene• **Inhalation****Central nervous system** low boiling point naphtha (<0,1% benzene)**reproductive organs** ethyl acetate, heptane (mixture of isomers)**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
ethyl 3-ethoxypropionate	Category 3
heptane (mixture of isomers)	Category 1
xylene	Category 3
2-butoxyethyl acetate	Category 3
ethylbenzene	Category 2
Naphthalene	Category 1

**Chronic aquatic toxicity**

heptane (mixture of isomers)	Category 1
Solvent naphtha (petroleum), heavy arom.	Category 2
Naphthalene	Category 1

% of unknown composition 8.9%

**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: 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	HSR002669
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
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Single exposure	Category 6.9B
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: 2013-08-26  
1250001631

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

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

<b>Product name</b>	FUL-THANE 2K F/P GM-11 WHITE
<b>Product code</b>	400-02
<b>reference number</b>	400-02
<b>Intended use of the substance/preparation</b> Coating for professional use	
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency telephone number	NZ Poisons Information Centre Ph: 0800 764 766 24-hour Emergency Number: (64)-9526 2501
Importer	Resene Paints Ltd.
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2013-08-28

## 2. Hazards identification

Classified as a Dangerous Good according to NZS 5433


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### HSNO Classification

Flammable liquids	Category 3.1B
Skin corrosion/irritation	Category 6.3A
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Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
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	Highly flammable liquid and vapour. Causes skin irritation. Causes serious eye irritation. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. Causes damage to organs. May cause damage to organs through prolonged or repeated exposure. Toxic to aquatic life. Toxic to aquatic life with long lasting effects.
Precautionary statements	Keep container tightly closed. Avoid release to the environment.



Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
Do not eat, drink or smoke when using this product.  
Ground/bond container and receiving equipment.  
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
Obtain special instructions before use.  
Take precautionary measures against static discharge.  
Use explosion-proof electrical/ventilating/lighting equipment.  
Use only non-sparking tools.  
Wash hands after handling.  
Wear protective gloves/ eye protection/ face protection.  
Collect spillage.  
IF exposed: Call a POISON CENTER or doctor/ physician.  
If eye irritation persists: 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 ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
If skin irritation occurs, seek medical advice/attention.  
Specific treatment (see supplemental first aid instructions on this label).  
Store in a well-ventilated place. Keep cool.  
Store locked up.  
Dispose of contents/container in accordance with local regulation.

**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 ardous	Haz-
123-86-4	n-butyl acetate	10 - 20%	✓	
13463-67-7	Titanium dioxide	10 - 20%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	5 - 10%	✓	
142-82-5	heptane (mixture of isomers)	3 - 5%	✓	
108-88-3	toluene	3 - 5%	✓	
7631-86-9	amorphous Silica	1 - 3%		
64742-94-5	Solvent naphtha (petroleum), heavy arom.	1 - 3%	✓	
763-69-9	ethyl 3-ethoxypropionate	1 - 3%	✓	
141-78-6	ethyl acetate	1 - 3%	✓	
112-07-2	2-butoxyethyl acetate	1 - 3%	✓	
1330-20-7	xylene	1 - 3%	✓	
21645-51-2	aluminium hydroxide	0.3 - 1.0%		
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
1317-65-3	Limestone (calcium carbonate)	0.3 - 1.0%		
78-93-3	butanone	0.3 - 1.0%	✓	
108-10-1	4-methylpentan-2-one	0.3 - 1.0%	✓	
628-63-7	pentyl acetate	0.3 - 1.0%	✓	
91-20-3	Naphthalene	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 (CO<sub>2</sub>), 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		
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>
Titanium dioxide	TWA	10 mg/m <sup>3</sup>
heptane (mixture of isomers)	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m <sup>3</sup>
	TWA	1,640 mg/m <sup>3</sup>
toluene	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
amorphous Silica	TWA	10 mg/m <sup>3</sup>
ethyl acetate	TWA	200 ppm
	TWA	720 mg/m <sup>3</sup>
xylene	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>
aluminium hydroxide	TWA	2 mg/m <sup>3</sup>
ethylbenzene	TWA	100 ppm
	STEL	125 ppm



## Chemical Name

	STEL	543 mg/m3
	TWA	434 mg/m3
Limestone (calcium carbonate)	TWA	10 mg/m3
butanone	TWA	150 ppm
	STEL	300 ppm
	STEL	890 mg/m3
	TWA	445 mg/m3
4-methylpentan-2-one	TWA	50 ppm
	STEL	75 ppm
	STEL	307 mg/m3
	TWA	205 mg/m3
pentyl acetate	TWA	100 ppm
	TWA	532 mg/m3
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m3
	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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
ethyl acetate	Nitrile rubber	0.33 mm	10 min
	Viton (R) <sup>®</sup>	0.7 mm	480 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	0.7 mm	480 min
butanone	Viton (R) <sup>®</sup>	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: white    Odour: Characteristic Paint Odor    Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	116 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.2 %	
Lower explosion limit	0.9 %	
Vapour pressure	9.5 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	1.14 g/cm <sup>3</sup>	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**

n-butyl acetate	Category 3
low boiling point naphtha (<0,1% benzene)	Category 2
heptane (mixture of isomers)	Category 2
toluene	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
ethyl 3-ethoxypropionate	Category 3
ethyl acetate	Category 3
2-butoxyethyl acetate	Category 3
xylene	Category 2
ethylbenzene	Category 3
butanone	Category 3
4-methylpentan-2-one	Category 3
pentyl acetate	Category 3
Naphthalene	Category 3

**Serious eye damage/eye irritation**

low boiling point naphtha (<0,1% benzene)	Category 2A
heptane (mixture of isomers)	Category 2A
toluene	Category 2B
ethyl acetate	Category 2
2-butoxyethyl acetate	Category 2A
xylene	Category 2
ethylbenzene	Category 2B
butanone	Category 2
4-methylpentan-2-one	Category 2
pentyl acetate	Category 2A
Naphthalene	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**

Naphthalene Category 2

**Toxicity for reproduction**

toluene Category 2

**Target Organ Systemic Toxicant - Single exposure**• **Skin Absorption****Narcotic effects** toluene• **Inhalation****Central nervous system** low boiling point naphtha (<0,1% benzene)**reproductive organs** ethyl acetate, heptane (mixture of isomers)**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
Titanium dioxide	Category 3
heptane (mixture of isomers)	Category 1
toluene	Category 2
ethyl 3-ethoxypropionate	Category 3
2-butoxyethyl acetate	Category 3
xylene	Category 3
ethylbenzene	Category 2
Naphthalene	Category 1

**Chronic aquatic toxicity**

heptane (mixture of isomers)	Category 1
Solvent naphtha (petroleum), heavy arom.	Category 2
pentyl acetate	Category 4
Naphthalene	Category 1

% of unknown composition 6.4%

**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: 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	HSR002669
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
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Single exposure	Category 6.9B
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:	2013-08-26
1250001632	

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

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

<b>Product name</b>	FUL-THANE 2K F/P SILVER MET
<b>Product code</b>	400-03
<b>reference number</b>	400-03
<b>Intended use of the substance/preparation</b> Coating for professional use	
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency telephone number	NZ Poisons Information Centre Ph: 0800 764 766 24-hour Emergency Number: (64)-9526 2501
Importer	Resene Paints Ltd.
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2013-08-28

## 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
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
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 9.1C

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.  
May cause an allergic skin reaction.  
Suspected of causing cancer.  
Suspected of damaging fertility or the unborn child.  
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.



Precautionary statements	Contaminated work clothing should not be allowed out of the workplace. Keep container tightly closed. Avoid release to the environment. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Do not eat, drink or smoke when using this product. Ground/bond container and receiving equipment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Take precautionary measures against static discharge. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Wash hands after handling. Wear protective gloves/ eye protection/ face protection. IF exposed: Call a POISON CENTER or doctor/ physician. If eye irritation persists: 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 ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. If skin irritation or rash occurs: Get medical advice/ attention. Specific treatment (see supplemental first aid instructions on this label). Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local regulation.
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**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 ardous	Haz-
123-86-4	n-butyl acetate	10 - 20%	✓	
108-88-3	toluene	5 - 10%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	5 - 10%	✓	
763-69-9	ethyl 3-ethoxypropionate	3 - 5%	✓	
1330-20-7	xylene	3 - 5%	✓	
7429-90-5	aluminium powder (stabilized)	1 - 3%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	1 - 3%	✓	
141-78-6	ethyl acetate	1 - 3%	✓	
112-07-2	2-butoxyethyl acetate	1 - 3%	✓	
142-82-5	heptane (mixture of isomers)	1 - 3%	✓	
108-10-1	4-methylpentan-2-one	1 - 3%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
78-93-3	butanone	0.3 - 1.0%	✓	
8052-41-3	stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	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%	✓	



CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
91-20-3	Naphthalene	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 (CO<sub>2</sub>), 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 <sup>3</sup>
toluene	TWA	713 mg/m <sup>3</sup>
	TWA	50 ppm
xylene	TWA	188 mg/m <sup>3</sup>
	TWA	50 ppm
aluminium powder (stabilized)	TWA	217 mg/m <sup>3</sup>
	TWA	5 mg/m <sup>3</sup>
ethyl acetate	TWA	200 ppm
	TWA	720 mg/m <sup>3</sup>
heptane (mixture of isomers)	TWA	400 ppm





Chemical Name		
	STEL	500 ppm
	STEL	2,050 mg/m3
	TWA	1,640 mg/m3
4-methylpentan-2-one	TWA	50 ppm
	STEL	75 ppm
	STEL	307 mg/m3
	TWA	205 mg/m3
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m3
	TWA	434 mg/m3
butanone	TWA	150 ppm
	STEL	300 ppm
	STEL	890 mg/m3
	TWA	445 mg/m3
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	TWA	100 ppm
	TWA	525 mg/m3
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m3
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m3
	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
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
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: silver    Odour: Characteristic Paint Odor    Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	109 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.2 %	
Lower explosion limit	0.9 %	
Vapour pressure	11.0 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.98 g/cm <sup>3</sup>	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**

n-butyl acetate	Category 3
toluene	Category 2
low boiling point naphtha (<0,1% benzene)	Category 2
ethyl 3-ethoxypropionate	Category 3
xylene	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
ethyl acetate	Category 3
2-butoxyethyl acetate	Category 3
heptane (mixture of isomers)	Category 2
4-methylpentan-2-one	Category 3
ethylbenzene	Category 3
butanone	Category 3
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
Naphthalene	Category 3

**Serious eye damage/eye irritation**

toluene	Category 2B
low boiling point naphtha (<0,1% benzene)	Category 2A
xylene	Category 2
ethyl acetate	Category 2



2-butoxyethyl acetate	Category 2A
heptane (mixture of isomers)	Category 2A
4-methylpentan-2-one	Category 2
ethylbenzene	Category 2B
butanone	Category 2
1,2,4-trimethylbenzene	Category 2
Naphthalene	Category 2A

**Respiratory sensitisation**

Not classified according to GHS criteria

**Skin sensitisation**

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

**Germ cell mutagenicity**

Not classified according to GHS criteria

**Carcinogenicity**

Naphthalene Category 2

**Toxicity for reproduction**

toluene Category 2

**Target Organ Systemic Toxicant - Single exposure****• Skin Absorption****Narcotic effects** toluene**• Inhalation****Respiratory system** 1,2,4-trimethylbenzene**Central nervous system** low boiling point naphtha (<0,1% benzene), 1,2,4-trimethylbenzene**reproductive organs** ethyl acetate, heptane (mixture of isomers)**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.

## 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
ethyl 3-ethoxypropionate	Category 3
xylene	Category 3
2-butoxyethyl acetate	Category 3
heptane (mixture of isomers)	Category 1
ethylbenzene	Category 2
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 1
1,2,4-trimethylbenzene	Category 2
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1
Naphthalene	Category 1

**Chronic aquatic toxicity**

aluminium powder (stabilized)	Category 4
Solvent naphtha (petroleum), heavy arom.	Category 2
heptane (mixture of isomers)	Category 1
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 1
1,2,4-trimethylbenzene	Category 2
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1
Naphthalene	Category 1

% of unknown composition 9.2%

**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: 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 [Solvent naphtha (petroleum), heavy arom.]  
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	
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 - Single exposure	Category 6.9B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Flammable liquids	Category 3.1B
Acute aquatic toxicity	Category 9.1B
Chronic aquatic toxicity	Category 9.1C

## 16. Other information

## Revision Note

Version	Changes
1.0	
Revision Date:	2013-08-26
1250001633	

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

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

<b>Product name</b>	FUL-THANE 2K F/P BURGUNDY MET
<b>Product code</b>	400-05
<b>reference number</b>	400-05
<b>Intended use of the substance/preparation</b> Coating for professional use	
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency telephone number	NZ Poisons Information Centre Ph: 0800 764 766 24-hour Emergency Number: (64)-9526 2501
Importer	Resene Paints Ltd.
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2013-08-28

## 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
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
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

Highly flammable liquid and vapour.  
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.  
Causes damage to organs.  
May cause damage to organs through prolonged or repeated exposure.  
Toxic to aquatic life.  
Toxic to aquatic life with long lasting effects.



Precautionary statements	<p>Contaminated work clothing should not be allowed out of the workplace. Keep container tightly closed. Avoid release to the environment. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Do not eat, drink or smoke when using this product. Ground/bond container and receiving equipment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Take precautionary measures against static discharge. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Wash hands after handling. Wear protective gloves/ eye protection/ face protection. Collect spillage. IF exposed: Call a POISON CENTER or doctor/ physician. If eye irritation persists: 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 ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. If skin irritation or rash occurs: Get medical advice/ attention. Specific treatment (see supplemental first aid instructions on this label). Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local regulation.</p>
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**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%	✓	
108-88-3	toluene	5 - 10%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	5 - 10%	✓	
763-69-9	ethyl 3-ethoxypropionate	3 - 5%	✓	
142-82-5	heptane (mixture of isomers)	3 - 5%	✓	
1330-20-7	xylene	3 - 5%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	1 - 3%	✓	
141-78-6	ethyl acetate	1 - 3%	✓	
112-07-2	2-butoxyethyl acetate	1 - 3%	✓	
108-10-1	4-methylpentan-2-one	1 - 3%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
78-93-3	butanone	0.3 - 1.0%	✓	
95-63-6	1,2,4-trimethylbenzene	0.1 - 0.3%	✓	
7429-90-5	aluminium powder (stabilized)	0.1 - 0.3%	✓	
7727-43-7	barium sulphate, natural	0.1 - 0.3%		
82919-37-7	methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	0.1 - 0.3%	✓	





CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
91-20-3	Naphthalene	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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>
toluene	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
	TWA	400 ppm
heptane (mixture of isomers)	STEL	500 ppm
	STEL	2,050 mg/m <sup>3</sup>
	TWA	1,640 mg/m <sup>3</sup>
	TWA	50 ppm
xylene	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>



Chemical Name		
ethyl acetate	TWA	200 ppm
	TWA	720 mg/m3
4-methylpentan-2-one	TWA	50 ppm
	STEL	75 ppm
	STEL	307 mg/m3
	TWA	205 mg/m3
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m3
	TWA	434 mg/m3
butanone	TWA	150 ppm
	STEL	300 ppm
	STEL	890 mg/m3
	TWA	445 mg/m3
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m3
aluminium powder (stabilized)	TWA	5 mg/m3
barium sulphate, natural	TWA	10 mg/m3
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m3
	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



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
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	109 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.2 %	
Lower explosion limit	0.9 %	
Vapour pressure	11.9 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.97 g/cm <sup>3</sup>	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**

n-butyl acetate	Category 3
toluene	Category 2
low boiling point naphtha (<0,1% benzene)	Category 2
ethyl 3-ethoxypropionate	Category 3
heptane (mixture of isomers)	Category 2
xylene	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
ethyl acetate	Category 3
2-butoxyethyl acetate	Category 3
4-methylpentan-2-one	Category 3
ethylbenzene	Category 3
butanone	Category 3
1,2,4-trimethylbenzene	Category 2
Naphthalene	Category 3

**Serious eye damage/eye irritation**

toluene	Category 2B
low boiling point naphtha (<0,1% benzene)	Category 2A
heptane (mixture of isomers)	Category 2A
xylene	Category 2
ethyl acetate	Category 2
2-butoxyethyl acetate	Category 2A
4-methylpentan-2-one	Category 2
ethylbenzene	Category 2B
butanone	Category 2

1,2,4-trimethylbenzene  
NaphthaleneCategory 2  
Category 2A**Respiratory sensitisation**

Not classified according to GHS criteria

**Skin sensitisation**

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

**Germ cell mutagenicity**

Not classified according to GHS criteria

**Carcinogenicity**

Naphthalene Category 2

**Toxicity for reproduction**

toluene Category 2

**Target Organ Systemic Toxicant - Single exposure**• **Skin Absorption****Narcotic effects** toluene• **Inhalation****Respiratory system** 1,2,4-trimethylbenzene**Central nervous system** low boiling point naphtha (<0,1% benzene), 1,2,4-trimethylbenzene**reproductive organs** ethyl acetate, heptane (mixture of isomers)**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.

## 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
ethyl 3-ethoxypropionate	Category 3
heptane (mixture of isomers)	Category 1
xylene	Category 3
2-butoxyethyl acetate	Category 3
ethylbenzene	Category 2
1,2,4-trimethylbenzene	Category 2
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1
Naphthalene	Category 1

**Chronic aquatic toxicity**

heptane (mixture of isomers)	Category 1
Solvent naphtha (petroleum), heavy arom.	Category 2
1,2,4-trimethylbenzene	Category 2
aluminium powder (stabilized)	Category 4
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1
Naphthalene	Category 1

% of unknown composition 11.5%

**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: 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	HSR002669
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
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Single exposure	Category 6.9B
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:	2013-08-26
1250001634	

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



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

<b>Product name</b>	FUL-THANE 2K F/P FIR RED MET
<b>Product code</b>	400-07
<b>reference number</b>	400-07
<b>Intended use of the substance/preparation</b> Coating for professional use	
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency telephone number	NZ Poisons Information Centre Ph: 0800 764 766 24-hour Emergency Number: (64)-9526 2501
Importer	Resene Paints Ltd.
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2013-08-28

## 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
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
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

Highly flammable liquid and vapour.  
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.  
Causes damage to organs.  
May cause damage to organs through prolonged or repeated exposure.  
Toxic to aquatic life.  
Toxic to aquatic life with long lasting effects.



Precautionary statements	<p>Contaminated work clothing should not be allowed out of the workplace. Keep container tightly closed. Avoid release to the environment. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Do not eat, drink or smoke when using this product. Ground/bond container and receiving equipment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Take precautionary measures against static discharge. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Wash hands after handling. Wear protective gloves/ eye protection/ face protection. Collect spillage. IF exposed: Call a POISON CENTER or doctor/ physician. If eye irritation persists: 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 ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. If skin irritation or rash occurs: Get medical advice/ attention. Specific treatment (see supplemental first aid instructions on this label). Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local regulation.</p>
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**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	Haz-ardous
123-86-4	n-butyl acetate	10 - 20%	✓	
142-82-5	heptane (mixture of isomers)	5 - 10%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	5 - 10%	✓	
1330-20-7	xylene	5 - 10%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	3 - 5%	✓	
763-69-9	ethyl 3-ethoxypropionate	1 - 3%	✓	
141-78-6	ethyl acetate	1 - 3%	✓	
100-41-4	ethylbenzene	1 - 3%	✓	
112-07-2	2-butoxyethyl acetate	1 - 3%	✓	
108-10-1	4-methylpentan-2-one	1 - 3%	✓	
108-88-3	toluene	1 - 3%	✓	
7429-90-5	aluminium powder (stabilized)	0.3 - 1.0%	✓	
78-93-3	butanone	0.3 - 1.0%	✓	
95-63-6	1,2,4-trimethylbenzene	0.1 - 0.3%	✓	
108-87-2	methylcyclohexane	0.1 - 0.3%	✓	
80-62-6	methyl methacrylate	0.1 - 0.3%	✓	
91-20-3	Naphthalene	0.1 - 0.3%	✓	



CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
628-63-7	pentyl acetate	0.1 - 0.3%	✓	
8052-41-3	stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>
heptane (mixture of isomers)	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m <sup>3</sup>
	TWA	1,640 mg/m <sup>3</sup>
xylene	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>
ethyl acetate	TWA	200 ppm



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Chemical Name

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	TWA	720 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
toluene	TWA	50 ppm
	TWA	188 mg/m3
aluminium powder (stabilized)	TWA	5 mg/m3
butanone	TWA	150 ppm
	STEL	300 ppm
	STEL	890 mg/m3
	TWA	445 mg/m3
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m3
methylcyclohexane	TWA	400 ppm
	TWA	1,610 mg/m3
methyl methacrylate	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m3
	TWA	208 mg/m3
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m3
	TWA	52 mg/m3
pentyl acetate	TWA	100 ppm
	TWA	532 mg/m3
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	TWA	100 ppm
	TWA	525 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
ethyl acetate	Nitrile rubber	0.33 mm	10 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	91 °C
Flash point	10 °C
Evaporation rate	Slower than Ether
Flammability	
Upper explosion limit	10.2 %
Lower explosion limit	0.9 %
Vapour pressure	11.0 hPa



Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.97 g/cm <sup>3</sup>	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**

n-butyl acetate	Category 3
heptane (mixture of isomers)	Category 2
low boiling point naphtha (<0,1% benzene)	Category 2
xylene	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
ethyl 3-ethoxypropionate	Category 3
ethyl acetate	Category 3
ethylbenzene	Category 3
2-butoxyethyl acetate	Category 3
4-methylpentan-2-one	Category 3
toluene	Category 2
butanone	Category 3
1,2,4-trimethylbenzene	Category 2
methylcyclohexane	Category 2
methyl methacrylate	Category 2
Naphthalene	Category 3
pentyl acetate	Category 3
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 2

**Serious eye damage/eye irritation**

heptane (mixture of isomers)	Category 2A
low boiling point naphtha (<0,1% benzene)	Category 2A
xylene	Category 2
ethyl acetate	Category 2
ethylbenzene	Category 2B
2-butoxyethyl acetate	Category 2A
4-methylpentan-2-one	Category 2
toluene	Category 2B
butanone	Category 2
1,2,4-trimethylbenzene	Category 2
Naphthalene	Category 2A
pentyl acetate	Category 2A

**Respiratory sensitisation**

Not classified according to GHS criteria

**Skin sensitisation**

methyl methacrylate Category 1

**Germ cell mutagenicity**

Not classified according to GHS criteria

**Carcinogenicity**

Naphthalene Category 2

**Toxicity for reproduction**

toluene Category 2  
methyl methacrylate Category 2

**Target Organ Systemic Toxicant - Single exposure****• Skin Absorption**

**Narcotic effects** toluene

**• Inhalation**

**Respiratory system** methyl methacrylate, 1,2,4-trimethylbenzene

**Central nervous system** low boiling point naphtha (<0,1% benzene), 1,2,4-trimethylbenzene

**reproductive organs** ethyl acetate, heptane (mixture of isomers)



**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.

## 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
heptane (mixture of isomers)	Category 1
xylene	Category 3
ethyl 3-ethoxypropionate	Category 3
ethylbenzene	Category 2
2-butoxyethyl acetate	Category 3
toluene	Category 2
1,2,4-trimethylbenzene	Category 2
methylcyclohexane	Category 2
methyl methacrylate	Category 3
Naphthalene	Category 1
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 1

**Chronic aquatic toxicity**

heptane (mixture of isomers)	Category 1
Solvent naphtha (petroleum), heavy arom.	Category 2
aluminium powder (stabilized)	Category 4
1,2,4-trimethylbenzene	Category 2
methylcyclohexane	Category 2
Naphthalene	Category 1
pentyl acetate	Category 4
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 1

% of unknown composition 9.8%

**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: 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	HSR002669
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
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Single exposure	Category 6.9B
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: 2013-08-26  
1250001635

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

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

<b>Product name</b>	FUL-THANE 2K F/P BALBOA BLUE
<b>Product code</b>	400-16
<b>reference number</b>	400-16
<b>Intended use of the substance/preparation</b> Coating for professional use	
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency telephone number	NZ Poisons Information Centre Ph: 0800 764 766 24-hour Emergency Number: (64)-9526 2501
Importer	Resene Paints Ltd.
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2013-08-28

## 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
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
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

Highly flammable liquid and vapour.  
Causes skin irritation.  
Causes serious eye irritation.  
Suspected of causing cancer.  
Suspected of damaging fertility or the unborn child.  
Causes damage to organs.  
May cause damage to organs through prolonged or repeated exposure.  
Toxic to aquatic life.  
Toxic to aquatic life with long lasting effects.

Precautionary statements

Keep container tightly closed.  
Avoid release to the environment.



Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
Do not eat, drink or smoke when using this product.  
Ground/bond container and receiving equipment.  
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
Obtain special instructions before use.  
Take precautionary measures against static discharge.  
Use explosion-proof electrical/ventilating/lighting equipment.  
Use only non-sparking tools.  
Wash hands after handling.  
Wear protective gloves/ eye protection/ face protection.  
Collect spillage.  
IF exposed: Call a POISON CENTER or doctor/ physician.  
If eye irritation persists: 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 ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
If skin irritation occurs, seek medical advice/attention.  
Specific treatment (see supplemental first aid instructions on this label).  
Store in a well-ventilated place. Keep cool.  
Store locked up.  
Dispose of contents/container in accordance with local regulation.

**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%	✓	
142-82-5	heptane (mixture of isomers)	5 - 10%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	5 - 10%	✓	
1330-20-7	xylene	3 - 5%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	1 - 3%	✓	
763-69-9	ethyl 3-ethoxypropionate	1 - 3%	✓	
141-78-6	ethyl acetate	1 - 3%	✓	
100-41-4	ethylbenzene	1 - 3%	✓	
112-07-2	2-butoxyethyl acetate	1 - 3%	✓	
108-10-1	4-methylpentan-2-one	1 - 3%	✓	
108-88-3	toluene	1 - 3%	✓	
78-93-3	butanone	0.3 - 1.0%	✓	
13463-67-7	Titanium dioxide	0.3 - 1.0%	✓	
108-87-2	methylcyclohexane	0.1 - 0.3%	✓	
1317-65-3	Limestone (calcium carbonate)	0.1 - 0.3%		
91-20-3	Naphthalene	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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>
heptane (mixture of isomers)	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m <sup>3</sup>
	TWA	1,640 mg/m <sup>3</sup>
xylene	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>
ethyl acetate	TWA	200 ppm
	TWA	720 mg/m <sup>3</sup>
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m <sup>3</sup>
	TWA	434 mg/m <sup>3</sup>
4-methylpentan-2-one	TWA	50 ppm
	STEL	75 ppm
	STEL	307 mg/m <sup>3</sup>
	TWA	205 mg/m <sup>3</sup>



Chemical Name		
toluene	TWA	50 ppm
	TWA	188 mg/m3
butanone	TWA	150 ppm
	STEL	300 ppm
	STEL	890 mg/m3
	TWA	445 mg/m3
Titanium dioxide	TWA	10 mg/m3
methylcyclohexane	TWA	400 ppm
	TWA	1,610 mg/m3
Limestone (calcium carbonate)	TWA	10 mg/m3
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m3
	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
ethyl acetate	Nitrile rubber	0.33 mm	10 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	91 °C	
Flash point	10 °C	
Evapouration rate	Slower than Ether	
Flammability		
Upper explosion limit	10.2 %	
Lower explosion limit	0.9 %	
Vapour pressure	11.8 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.97 g/cm <sup>3</sup>	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**

n-butyl acetate	Category 3
heptane (mixture of isomers)	Category 2
low boiling point naphtha (<0,1% benzene)	Category 2
xylene	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
ethyl 3-ethoxypropionate	Category 3
ethyl acetate	Category 3
ethylbenzene	Category 3
2-butoxyethyl acetate	Category 3
4-methylpentan-2-one	Category 3
toluene	Category 2
butanone	Category 3
methylcyclohexane	Category 2
Naphthalene	Category 3

**Serious eye damage/eye irritation**

heptane (mixture of isomers)	Category 2A
low boiling point naphtha (<0,1% benzene)	Category 2A
xylene	Category 2
ethyl acetate	Category 2
ethylbenzene	Category 2B
2-butoxyethyl acetate	Category 2A
4-methylpentan-2-one	Category 2
toluene	Category 2B
butanone	Category 2
Naphthalene	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**

Naphthalene Category 2

**Toxicity for reproduction**

toluene Category 2

**Target Organ Systemic Toxicant - Single exposure**• **Skin Absorption****Narcotic effects** toluene• **Inhalation****Central nervous system** low boiling point naphtha (<0,1% benzene)**reproductive organs** ethyl acetate, heptane (mixture of isomers)**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
heptane (mixture of isomers)	Category 1
xylene	Category 3
ethyl 3-ethoxypropionate	Category 3
ethylbenzene	Category 2
2-butoxyethyl acetate	Category 3
toluene	Category 2
Titanium dioxide	Category 3
methylcyclohexane	Category 2
Naphthalene	Category 1

**Chronic aquatic toxicity**

heptane (mixture of isomers)	Category 1
Solvent naphtha (petroleum), heavy arom.	Category 2
methylcyclohexane	Category 2
Naphthalene	Category 1

% of unknown composition 8.8%

**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: 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	HSR002669
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
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Single exposure	Category 6.9B
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: 2013-08-26  
2402-DR415

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

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

<b>Product name</b>	FUL-THANE 2K F/P CANDY RED
<b>Product code</b>	400-20
<b>reference number</b>	400-20
<b>Intended use of the substance/preparation</b> Coating for professional use	
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency telephone number	NZ Poisons Information Centre Ph: 0800 764 766 24-hour Emergency Number: (64)-9526 2501
Importer	Resene Paints Ltd.
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2013-08-28

## 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 - 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	Highly flammable liquid and vapour. Causes skin irritation. Causes serious eye irritation. Suspected of damaging fertility or the unborn child. Causes damage to organs. May cause damage to organs through prolonged or repeated exposure. Toxic to aquatic life. Toxic to aquatic life with long lasting effects.
Precautionary statements	Keep container tightly closed. Avoid release to the environment. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Do not eat, drink or smoke when using this product.



Ground/bond container and receiving equipment.  
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
Obtain special instructions before use.  
Take precautionary measures against static discharge.  
Use explosion-proof electrical/ventilating/lighting equipment.  
Use only non-sparking tools.  
Wash hands after handling.  
Wear protective gloves/ eye protection/ face protection.  
Collect spillage.  
IF exposed: Call a POISON CENTER or doctor/ physician.  
If eye irritation persists: 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 ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
If skin irritation occurs, seek medical advice/attention.  
Specific treatment (see supplemental first aid instructions on this label).  
Store in a well-ventilated place. Keep cool.  
Store locked up.  
Dispose of contents/container in accordance with local regulation.

**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%	✓	
142-82-5	heptane (mixture of isomers)	5 - 10%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	5 - 10%	✓	
1330-20-7	xylene	3 - 5%	✓	
763-69-9	ethyl 3-ethoxypropionate	1 - 3%	✓	
141-78-6	ethyl acetate	1 - 3%	✓	
112-07-2	2-butoxyethyl acetate	1 - 3%	✓	
108-10-1	4-methylpentan-2-one	1 - 3%	✓	
1047-16-1	Quinacridone pigment	1 - 3%	✓	
108-88-3	toluene	1 - 3%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
78-93-3	butanone	0.3 - 1.0%	✓	
108-87-2	methylcyclohexane	0.1 - 0.3%	✓	
1317-65-3	Limestone (calcium carbonate)	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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>
heptane (mixture of isomers)	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m <sup>3</sup>
	TWA	1,640 mg/m <sup>3</sup>
xylene	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>
ethyl acetate	TWA	200 ppm
	TWA	720 mg/m <sup>3</sup>
4-methylpentan-2-one	TWA	50 ppm
	STEL	75 ppm
	STEL	307 mg/m <sup>3</sup>
	TWA	205 mg/m <sup>3</sup>
toluene	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m <sup>3</sup>
	TWA	434 mg/m <sup>3</sup>
butanone	TWA	150 ppm



Chemical Name		
	STEL	300 ppm
	STEL	890 mg/m3
	TWA	445 mg/m3
methylcyclohexane	TWA	400 ppm
	TWA	1,610 mg/m3
Limestone (calcium carbonate)	TWA	10 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
ethyl acetate	Nitrile rubber	0.33 mm	10 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	91 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.2 %	
Lower explosion limit	0.9 %	
Vapour pressure	12.2 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.97 g/cm <sup>3</sup>	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**

n-butyl acetate	Category 3
heptane (mixture of isomers)	Category 2
low boiling point naphtha (<0,1% benzene)	Category 2
xylene	Category 2
ethyl 3-ethoxypropionate	Category 3
ethyl acetate	Category 3
2-butoxyethyl acetate	Category 3
4-methylpentan-2-one	Category 3
Quinacridone pigment	Category 2
toluene	Category 2
ethylbenzene	Category 3
butanone	Category 3
methylcyclohexane	Category 2

**Serious eye damage/eye irritation**

heptane (mixture of isomers)	Category 2A
low boiling point naphtha (<0,1% benzene)	Category 2A
xylene	Category 2
ethyl acetate	Category 2
2-butoxyethyl acetate	Category 2A
4-methylpentan-2-one	Category 2
toluene	Category 2B
ethylbenzene	Category 2B
butanone	Category 2

**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****• Skin Absorption****Narcotic effects** toluene**• Inhalation****Central nervous system** low boiling point naphtha (<0,1% benzene)**reproductive organs** ethyl acetate, heptane (mixture of isomers)

**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 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
heptane (mixture of isomers)	Category 1
xylene	Category 3
ethyl 3-ethoxypropionate	Category 3
2-butoxyethyl acetate	Category 3
toluene	Category 2
ethylbenzene	Category 2
methylcyclohexane	Category 2

**Chronic aquatic toxicity**

heptane (mixture of isomers)	Category 1
methylcyclohexane	Category 2

% of unknown composition 10.2%

**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: 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 6.4A
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Single exposure	Category 6.9B
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: 2013-08-26  
1250001638



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

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

<b>Product name</b>	FUL-THANE 2K F/P DIPLOMAT BL
<b>Product code</b>	400-26
<b>reference number</b>	400-26
<b>Intended use of the substance/preparation</b> Coating for professional use	
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency telephone number	NZ Poisons Information Centre Ph: 0800 764 766 24-hour Emergency Number: (64)-9526 2501
Importer	Resene Paints Ltd.
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2013-08-28

## 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
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
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

Highly flammable liquid and vapour.  
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.  
Causes damage to organs.  
May cause damage to organs through prolonged or repeated exposure.  
Toxic to aquatic life.  
Toxic to aquatic life with long lasting effects.





Precautionary statements	Contaminated work clothing should not be allowed out of the workplace. Keep container tightly closed. Avoid release to the environment. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Do not eat, drink or smoke when using this product. Ground/bond container and receiving equipment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Take precautionary measures against static discharge. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Wash hands after handling. Wear protective gloves/ eye protection/ face protection. Collect spillage. IF exposed: Call a POISON CENTER or doctor/ physician. If eye irritation persists: 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 ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. If skin irritation or rash occurs: Get medical advice/ attention. Specific treatment (see supplemental first aid instructions on this label). Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local regulation.
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**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%	✓	
108-88-3	toluene	5 - 10%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	5 - 10%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	3 - 5%	✓	
763-69-9	ethyl 3-ethoxypropionate	3 - 5%	✓	
142-82-5	heptane (mixture of isomers)	3 - 5%	✓	
1330-20-7	xylene	3 - 5%	✓	
141-78-6	ethyl acetate	1 - 3%	✓	
100-41-4	ethylbenzene	1 - 3%	✓	
112-07-2	2-butoxyethyl acetate	1 - 3%	✓	
108-10-1	4-methylpentan-2-one	1 - 3%	✓	
78-93-3	butanone	0.3 - 1.0%	✓	
95-63-6	1,2,4-trimethylbenzene	0.1 - 0.3%	✓	
7429-90-5	aluminium powder (stabilized)	0.1 - 0.3%	✓	
555-32-8	Aluminum benzoate	0.1 - 0.3%		
1333-86-4	carbon black	0.1 - 0.3%		



CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
82919-37-7	methyl 1,2,2,6,6-pentamethyl-4-piperidyl se- bacate	0.1 - 0.3%	✓	
91-20-3	Naphthalene	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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>
toluene	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
	TWA	400 ppm
heptane (mixture of isomers)	STEL	500 ppm
	STEL	2,050 mg/m <sup>3</sup>
	TWA	1,640 mg/m <sup>3</sup>
	TWA	50 ppm
xylene	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>



Chemical Name		
ethyl acetate	TWA	200 ppm
	TWA	720 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
butanone	TWA	150 ppm
	STEL	300 ppm
	STEL	890 mg/m3
	TWA	445 mg/m3
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m3
aluminium powder (stabilized)	TWA	5 mg/m3
Aluminum benzoate	TWA	2 mg/m3
carbon black	TWA	3 mg/m3
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m3
	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) <sup>®</sup>	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
ethyl acetate	Nitrile rubber	0.33 mm	10 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	109 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.2 %	
Lower explosion limit	0.9 %	
Vapour pressure	11.5 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.97 g/cm <sup>3</sup>	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**

n-butyl acetate	Category 3
toluene	Category 2
low boiling point naphtha (<0,1% benzene)	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
ethyl 3-ethoxypropionate	Category 3
heptane (mixture of isomers)	Category 2
xylene	Category 2
ethyl acetate	Category 3
ethylbenzene	Category 3
2-butoxyethyl acetate	Category 3
4-methylpentan-2-one	Category 3
butanone	Category 3
1,2,4-trimethylbenzene	Category 2
Naphthalene	Category 3

**Serious eye damage/eye irritation**

toluene	Category 2B
low boiling point naphtha (<0,1% benzene)	Category 2A
heptane (mixture of isomers)	Category 2A
xylene	Category 2
ethyl acetate	Category 2
ethylbenzene	Category 2B
2-butoxyethyl acetate	Category 2A
4-methylpentan-2-one	Category 2
butanone	Category 2

1,2,4-trimethylbenzene  
NaphthaleneCategory 2  
Category 2A**Respiratory sensitisation**

Not classified according to GHS criteria

**Skin sensitisation**

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

**Germ cell mutagenicity**

Not classified according to GHS criteria

**Carcinogenicity**

Naphthalene Category 2

**Toxicity for reproduction**

toluene Category 2

**Target Organ Systemic Toxicant - Single exposure**• **Skin Absorption****Narcotic effects** toluene• **Inhalation****Respiratory system** 1,2,4-trimethylbenzene**Central nervous system** low boiling point naphtha (<0,1% benzene), 1,2,4-trimethylbenzene**reproductive organs** ethyl acetate, heptane (mixture of isomers)**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.

## 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
ethyl 3-ethoxypropionate	Category 3
heptane (mixture of isomers)	Category 1
xylene	Category 3
ethylbenzene	Category 2
2-butoxyethyl acetate	Category 3
1,2,4-trimethylbenzene	Category 2
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1
Naphthalene	Category 1

**Chronic aquatic toxicity**

Solvent naphtha (petroleum), heavy arom.	Category 2
heptane (mixture of isomers)	Category 1
1,2,4-trimethylbenzene	Category 2
aluminium powder (stabilized)	Category 4
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1
Naphthalene	Category 1

% of unknown composition 8.9%

**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: 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	HSR002669
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
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Single exposure	Category 6.9B
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:	2013-08-26
2403-DR431	

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

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

<b>Product name</b>	FUL-THANE 2K F/P CED. GRN MET
<b>Product code</b>	400-37
<b>reference number</b>	400-37
<b>Intended use of the substance/preparation</b> Coating for professional use	
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency telephone number	NZ Poisons Information Centre Ph: 0800 764 766 24-hour Emergency Number: (64)-9526 2501
Importer	Resene Paints Ltd.
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2013-08-28

## 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
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
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	Highly flammable liquid and vapour. 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. Causes damage to organs. May cause damage to organs through prolonged or repeated exposure. Toxic to aquatic life. Toxic to aquatic life with long lasting effects.



Precautionary statements	<p>Contaminated work clothing should not be allowed out of the workplace. Keep container tightly closed. Avoid release to the environment. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Do not eat, drink or smoke when using this product. Ground/bond container and receiving equipment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Take precautionary measures against static discharge. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Wash hands after handling. Wear protective gloves/ eye protection/ face protection. Collect spillage. IF exposed: Call a POISON CENTER or doctor/ physician. If eye irritation persists: 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 ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. If skin irritation or rash occurs: Get medical advice/ attention. Specific treatment (see supplemental first aid instructions on this label). Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local regulation.</p>
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**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%	✓	
108-88-3	toluene	5 - 10%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	5 - 10%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	3 - 5%	✓	
763-69-9	ethyl 3-ethoxypropionate	3 - 5%	✓	
142-82-5	heptane (mixture of isomers)	3 - 5%	✓	
1330-20-7	xylene	3 - 5%	✓	
141-78-6	ethyl acetate	1 - 3%	✓	
100-41-4	ethylbenzene	1 - 3%	✓	
112-07-2	2-butoxyethyl acetate	1 - 3%	✓	
108-10-1	4-methylpentan-2-one	1 - 3%	✓	
7429-90-5	aluminium powder (stabilized)	0.3 - 1.0%	✓	
1309-37-1	Iron oxide	0.3 - 1.0%	✓	
78-93-3	butanone	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%	✓	



CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
91-20-3	Naphthalene	0.1 - 0.3%	✓	
8052-41-3	stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	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 (CO<sub>2</sub>), 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 <sup>3</sup>
toluene	TWA	713 mg/m <sup>3</sup>
	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
heptane (mixture of isomers)	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m <sup>3</sup>
xylene	TWA	1,640 mg/m <sup>3</sup>
	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>



Chemical Name		
ethyl acetate	TWA	200 ppm
	TWA	720 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
aluminium powder (stabilized)	TWA	5 mg/m3
Iron oxide	TWA	5 mg/m3
butanone	TWA	150 ppm
	STEL	300 ppm
	STEL	890 mg/m3
	TWA	445 mg/m3
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m3
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m3
	TWA	52 mg/m3
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	TWA	100 ppm
	TWA	525 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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	0.7 mm	480 min
ethyl acetate	Nitrile rubber	0.33 mm	10 min
	Viton (R) <sup>®</sup>	0.7 mm	480 min
butanone	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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	109 °C
Flash point	10 °C
Evapouration rate	Slower than Ether
Flammability	
Upper explosion limit	10.2 %
Lower explosion limit	0.9 %
Vapour pressure	11.2 hPa
Solubility(ies)	moderate
Vapour density	no data available
Density	0.98 g/cm <sup>3</sup> 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**

n-butyl acetate	Category 3
toluene	Category 2
low boiling point naphtha (<0,1% benzene)	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
ethyl 3-ethoxypropionate	Category 3
heptane (mixture of isomers)	Category 2
xylene	Category 2
ethyl acetate	Category 3
ethylbenzene	Category 3
2-butoxyethyl acetate	Category 3
4-methylpentan-2-one	Category 3
Iron oxide	Category 2
butanone	Category 3
1,2,4-trimethylbenzene	Category 2
Naphthalene	Category 3
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 2

**Serious eye damage/eye irritation**

toluene	Category 2B
low boiling point naphtha (<0,1% benzene)	Category 2A
heptane (mixture of isomers)	Category 2A
xylene	Category 2
ethyl acetate	Category 2
ethylbenzene	Category 2B
2-butoxyethyl acetate	Category 2A





4-methylpentan-2-one	Category 2
Iron oxide	Category 1
butanone	Category 2
1,2,4-trimethylbenzene	Category 2
Naphthalene	Category 2A

**Respiratory sensitisation**

Not classified according to GHS criteria

**Skin sensitisation**

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

**Germ cell mutagenicity**

Not classified according to GHS criteria

**Carcinogenicity**

Naphthalene Category 2

**Toxicity for reproduction**

toluene Category 2

**Target Organ Systemic Toxicant - Single exposure**

- **Skin Absorption**

**Narcotic effects** toluene

- **Inhalation**

**Respiratory system** 1,2,4-trimethylbenzene

**Central nervous system** low boiling point naphtha (<0,1% benzene), 1,2,4-trimethylbenzene

**reproductive organs** ethyl acetate, heptane (mixture of isomers)

**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.

## 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
ethyl 3-ethoxypropionate	Category 3
heptane (mixture of isomers)	Category 1
xylene	Category 3
ethylbenzene	Category 2
2-butoxyethyl acetate	Category 3
Iron oxide	Category 3
1,2,4-trimethylbenzene	Category 2
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1
Naphthalene	Category 1
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 1

**Chronic aquatic toxicity**

Solvent naphtha (petroleum), heavy arom.	Category 2
heptane (mixture of isomers)	Category 1
aluminium powder (stabilized)	Category 4
1,2,4-trimethylbenzene	Category 2
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1
Naphthalene	Category 1
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 1

% of unknown composition 8.9%

**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: 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	HSR002669
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
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Single exposure	Category 6.9B
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: 2013-08-26  
1250001641

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

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

<b>Product name</b>	FUL-THANE 2K F/P SILVER MET
<b>Product code</b>	400-38
<b>reference number</b>	400-38
<b>Intended use of the substance/preparation</b> Coating for professional use	
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency telephone number	NZ Poisons Information Centre Ph: 0800 764 766 24-hour Emergency Number: (64)-9526 2501
Importer	Resene Paints Ltd.
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2013-08-28

## 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
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
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

Highly flammable liquid and vapour.  
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.  
Causes damage to organs.  
May cause damage to organs through prolonged or repeated exposure.  
Toxic to aquatic life.  
Toxic to aquatic life with long lasting effects.



Precautionary statements	Contaminated work clothing should not be allowed out of the workplace. Keep container tightly closed. Avoid release to the environment. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Do not eat, drink or smoke when using this product. Ground/bond container and receiving equipment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Take precautionary measures against static discharge. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Wash hands after handling. Wear protective gloves/ eye protection/ face protection. Collect spillage. IF exposed: Call a POISON CENTER or doctor/ physician. If eye irritation persists: 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 ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. If skin irritation or rash occurs: Get medical advice/ attention. Specific treatment (see supplemental first aid instructions on this label). Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local regulation.
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**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%	✓	
108-88-3	toluene	5 - 10%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	5 - 10%	✓	
763-69-9	ethyl 3-ethoxypropionate	3 - 5%	✓	
1330-20-7	xylene	3 - 5%	✓	
7429-90-5	aluminium powder (stabilized)	1 - 3%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	1 - 3%	✓	
141-78-6	ethyl acetate	1 - 3%	✓	
112-07-2	2-butoxyethyl acetate	1 - 3%	✓	
142-82-5	heptane (mixture of isomers)	1 - 3%	✓	
108-10-1	4-methylpentan-2-one	1 - 3%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
78-93-3	butanone	0.3 - 1.0%	✓	
8052-41-3	stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	0.3 - 1.0%	✓	
95-63-6	1,2,4-trimethylbenzene	0.1 - 0.3%	✓	
122-99-6	2-phenoxyethanol	0.1 - 0.3%	✓	



CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
82919-37-7	methyl 1,2,2,6,6-pentamethyl-4-piperidyl se- bacate	0.1 - 0.3%	✓	
91-20-3	Naphthalene	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 (CO<sub>2</sub>), 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/m3
toluene	TWA	713 mg/m3
	TWA	50 ppm
xylene	TWA	188 mg/m3
	TWA	50 ppm
aluminium powder (stabilized)	TWA	217 mg/m3
	TWA	5 mg/m3
ethyl acetate	TWA	200 ppm
	TWA	720 mg/m3
heptane (mixture of isomers)	TWA	400 ppm



Chemical Name		
	STEL	500 ppm
	STEL	2,050 mg/m3
	TWA	1,640 mg/m3
4-methylpentan-2-one	TWA	50 ppm
	STEL	75 ppm
	STEL	307 mg/m3
	TWA	205 mg/m3
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m3
	TWA	434 mg/m3
butanone	TWA	150 ppm
	STEL	300 ppm
	STEL	890 mg/m3
	TWA	445 mg/m3
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	TWA	100 ppm
	TWA	525 mg/m3
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m3
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m3
	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
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
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: silver    Odour: Characteristic Paint Odor    Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	109 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.2 %	
Lower explosion limit	0.9 %	
Vapour pressure	11.6 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.98 g/cm <sup>3</sup>	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**

n-butyl acetate	Category 3
toluene	Category 2
low boiling point naphtha (<0,1% benzene)	Category 2
ethyl 3-ethoxypropionate	Category 3
xylene	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
ethyl acetate	Category 3
2-butoxyethyl acetate	Category 3
heptane (mixture of isomers)	Category 2
4-methylpentan-2-one	Category 3
ethylbenzene	Category 3
butanone	Category 3
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
Naphthalene	Category 3

**Serious eye damage/eye irritation**

toluene	Category 2B
low boiling point naphtha (<0,1% benzene)	Category 2A
xylene	Category 2
ethyl acetate	Category 2



2-butoxyethyl acetate	Category 2A
heptane (mixture of isomers)	Category 2A
4-methylpentan-2-one	Category 2
ethylbenzene	Category 2B
butanone	Category 2
1,2,4-trimethylbenzene	Category 2
2-phenoxyethanol	Category 2
Naphthalene	Category 2A

**Respiratory sensitisation**

Not classified according to GHS criteria

**Skin sensitisation**

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

**Germ cell mutagenicity**

Not classified according to GHS criteria

**Carcinogenicity**

Naphthalene Category 2

**Toxicity for reproduction**

toluene Category 2

**Target Organ Systemic Toxicant - Single exposure****• Skin Absorption**

**Narcotic effects** toluene

**• Inhalation**

**Respiratory system** 1,2,4-trimethylbenzene

**Central nervous system** low boiling point naphtha (<0,1% benzene), 1,2,4-trimethylbenzene

**reproductive organs** ethyl acetate, heptane (mixture of isomers)

**Target Organ Systemic Toxicant - Repeated exposure****• Skin Absorption**

**Body weight effects** ethyl acetate

**Kidney** 2-phenoxyethanol

**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

n-butyl acetate	Category 3
toluene	Category 2
ethyl 3-ethoxypropionate	Category 3
xylene	Category 3
2-butoxyethyl acetate	Category 3
heptane (mixture of isomers)	Category 1
ethylbenzene	Category 2
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 1
1,2,4-trimethylbenzene	Category 2
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1
Naphthalene	Category 1

### Chronic aquatic toxicity

aluminium powder (stabilized)	Category 4
Solvent naphtha (petroleum), heavy arom.	Category 2
heptane (mixture of isomers)	Category 1
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 1
1,2,4-trimethylbenzene	Category 2
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1
Naphthalene	Category 1

% of unknown composition 9.2%

### 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: 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	HSR002669
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
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Single exposure	Category 6.9B
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: 2013-08-26  
1250001642

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

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

**Product name** FUL-THANE 2K F/P BLUE MET

**Product code** 400-40

**reference number** 400-40

**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 telephone number** NZ Poisons Information Centre Ph: 0800 764 766  
24-hour Emergency Number: (64)-9526 2501

**Importer** Resene Paints Ltd.  
**Street/Box** 4 Te Apunga Place, Mt Wellington,  
Auckland, NZ

**Nat.-Code/Postal code/City**  
**Telephone** +64 (09) 259 2738

**Date of preparation** 2013-08-28

## 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
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
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** Highly flammable liquid and vapour.  
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.  
Causes damage to organs.  
May cause damage to organs through prolonged or repeated exposure.  
Toxic to aquatic life.  
Toxic to aquatic life with long lasting effects.



Precautionary statements	<p>Contaminated work clothing should not be allowed out of the workplace. Keep container tightly closed. Avoid release to the environment. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Do not eat, drink or smoke when using this product. Ground/bond container and receiving equipment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Take precautionary measures against static discharge. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Wash hands after handling. Wear protective gloves/ eye protection/ face protection. Collect spillage. IF exposed: Call a POISON CENTER or doctor/ physician. If eye irritation persists: 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 ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. If skin irritation or rash occurs: Get medical advice/ attention. Specific treatment (see supplemental first aid instructions on this label). Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local regulation.</p>
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**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%	✓	
142-82-5	heptane (mixture of isomers)	5 - 10%	✓	
108-88-3	toluene	5 - 10%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	5 - 10%	✓	
763-69-9	ethyl 3-ethoxypropionate	3 - 5%	✓	
141-78-6	ethyl acetate	3 - 5%	✓	
1330-20-7	xylene	3 - 5%	✓	
7429-90-5	aluminium powder (stabilized)	1 - 3%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	1 - 3%	✓	
100-41-4	ethylbenzene	1 - 3%	✓	
112-07-2	2-butoxyethyl acetate	1 - 3%	✓	
108-10-1	4-methylpentan-2-one	1 - 3%	✓	
147-14-8	alkylamine	1 - 3%	✓	
78-93-3	butanone	0.3 - 1.0%	✓	
95-63-6	1,2,4-trimethylbenzene	0.1 - 0.3%	✓	
108-87-2	methylcyclohexane	0.1 - 0.3%	✓	



CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
82919-37-7	methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	0.1 - 0.3%	✓	
91-20-3	Naphthalene	0.1 - 0.3%	✓	
8052-41-3	stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>
heptane (mixture of isomers)	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m <sup>3</sup>
	TWA	1,640 mg/m <sup>3</sup>
toluene	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
ethyl acetate	TWA	200 ppm



## Chemical Name

	TWA	720 mg/m3
xylene	TWA	50 ppm
	TWA	217 mg/m3
aluminium powder (stabilized)	TWA	5 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
butanone	TWA	150 ppm
	STEL	300 ppm
	STEL	890 mg/m3
	TWA	445 mg/m3
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m3
methylcyclohexane	TWA	400 ppm
	TWA	1,610 mg/m3
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m3
	TWA	52 mg/m3
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	TWA	100 ppm
	TWA	525 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
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
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	91 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.2 %	
Lower explosion limit	0.9 %	
Vapour pressure	12.5 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.97 g/cm <sup>3</sup>	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**

n-butyl acetate	Category 3
heptane (mixture of isomers)	Category 2
toluene	Category 2
low boiling point naphtha (<0,1% benzene)	Category 2
ethyl 3-ethoxypropionate	Category 3
ethyl acetate	Category 3
xylene	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
ethylbenzene	Category 3
2-butoxyethyl acetate	Category 3
4-methylpentan-2-one	Category 3
alkylamine	Category 3
butanone	Category 3
1,2,4-trimethylbenzene	Category 2
methylcyclohexane	Category 2
Naphthalene	Category 3
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 2

**Serious eye damage/eye irritation**

heptane (mixture of isomers)	Category 2A
toluene	Category 2B
low boiling point naphtha (<0,1% benzene)	Category 2A
ethyl acetate	Category 2
xylene	Category 2
ethylbenzene	Category 2B
2-butoxyethyl acetate	Category 2A
4-methylpentan-2-one	Category 2
butanone	Category 2
1,2,4-trimethylbenzene	Category 2
Naphthalene	Category 2A

**Respiratory sensitisation**

Not classified according to GHS criteria

**Skin sensitisation**

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

**Germ cell mutagenicity**

Not classified according to GHS criteria

**Carcinogenicity**

Naphthalene Category 2

**Toxicity for reproduction**

toluene Category 2

**Target Organ Systemic Toxicant - Single exposure**• **Skin Absorption****Narcotic effects** toluene• **Inhalation****Respiratory system** 1,2,4-trimethylbenzene**Central nervous system** low boiling point naphtha (<0,1% benzene), 1,2,4-trimethylbenzene**reproductive organs** ethyl acetate, heptane (mixture of isomers)**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.



## 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
heptane (mixture of isomers)	Category 1
toluene	Category 2
ethyl 3-ethoxypropionate	Category 3
xylene	Category 3
ethylbenzene	Category 2
2-butoxyethyl acetate	Category 3
1,2,4-trimethylbenzene	Category 2
methylcyclohexane	Category 2
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1
Naphthalene	Category 1
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 1

### Chronic aquatic toxicity

heptane (mixture of isomers)	Category 1
aluminium powder (stabilized)	Category 4
Solvent naphtha (petroleum), heavy arom.	Category 2
1,2,4-trimethylbenzene	Category 2
methylcyclohexane	Category 2
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1
Naphthalene	Category 1
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 1

% of unknown composition 8.5%

### 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: 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	HSR002669
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
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Single exposure	Category 6.9B
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: 2013-08-26  
1250001643

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

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

<b>Product name</b>	BRILLANT TEAL METALLIC
<b>Product code</b>	400-41
<b>reference number</b>	400-41
<b>Intended use of the substance/preparation</b> Coating for professional use	
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency telephone number	NZ Poisons Information Centre Ph: 0800 764 766 24-hour Emergency Number: (64)-9526 2501
Importer	Resene Paints Ltd.
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2013-08-28

## 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
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
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

Highly flammable liquid and vapour.  
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.  
Causes damage to organs.  
May cause damage to organs through prolonged or repeated exposure.  
Harmful to aquatic life.  
Harmful to aquatic life with long lasting effects.





Precautionary statements	Contaminated work clothing should not be allowed out of the workplace. Keep container tightly closed. Avoid release to the environment. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Do not eat, drink or smoke when using this product. Ground/bond container and receiving equipment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Take precautionary measures against static discharge. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Wash hands after handling. Wear protective gloves/ eye protection/ face protection. IF exposed: Call a POISON CENTER or doctor/ physician. If eye irritation persists: 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 ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. If skin irritation or rash occurs: Get medical advice/ attention. Specific treatment (see supplemental first aid instructions on this label). Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local regulation.
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**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 ardous	Haz-
123-86-4	n-butyl acetate	10 - 20%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	5 - 10%	✓	
108-88-3	toluene	5 - 10%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	5 - 10%	✓	
763-69-9	ethyl 3-ethoxypropionate	3 - 5%	✓	
1330-20-7	xylene	3 - 5%	✓	
141-78-6	ethyl acetate	1 - 3%	✓	
108-10-1	4-methylpentan-2-one	1 - 3%	✓	
7429-90-5	aluminium powder (stabilized)	0.3 - 1.0%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
112-07-2	2-butoxyethyl acetate	0.3 - 1.0%	✓	
78-93-3	butanone	0.3 - 1.0%	✓	
91-20-3	Naphthalene	0.3 - 1.0%	✓	
95-63-6	1,2,4-trimethylbenzene	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%	✓	
142-82-5	heptane (mixture of isomers)	0.1 - 0.3%	✓	



CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
1317-65-3	Limestone (calcium carbonate)	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 (CO<sub>2</sub>), 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 <sup>3</sup>
toluene	TWA	713 mg/m <sup>3</sup>
	TWA	50 ppm
xylene	TWA	188 mg/m <sup>3</sup>
	TWA	50 ppm
ethyl acetate	TWA	217 mg/m <sup>3</sup>
	TWA	200 ppm
4-methylpentan-2-one	TWA	720 mg/m <sup>3</sup>
	TWA	50 ppm
	STEL	75 ppm



Chemical Name		
	STEL	307 mg/m3
	TWA	205 mg/m3
aluminium powder (stabilized)	TWA	5 mg/m3
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m3
	TWA	434 mg/m3
butanone	TWA	150 ppm
	STEL	300 ppm
	STEL	890 mg/m3
	TWA	445 mg/m3
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m3
	TWA	52 mg/m3
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m3
cumene	TWA	25 ppm
	STEL	75 ppm
	STEL	375 mg/m3
	TWA	125 mg/m3
heptane (mixture of isomers)	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m3
	TWA	1,640 mg/m3
Limestone (calcium carbonate)	TWA	10 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
ethyl acetate	Nitrile rubber	0.33 mm	10 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	109 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.2 %	
Lower explosion limit	0.8 %	
Vapour pressure	9.8 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.99 g/cm <sup>3</sup>	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**

not hazardous

**Acute dermal toxicity**

Not classified according to GHS criteria

**Acute inhalation toxicity**

not hazardous

% of unknown composition 0 %

**Skin corrosion/irritation**

n-butyl acetate	Category 3
Solvent naphtha (petroleum), heavy arom.	Category 2
toluene	Category 2
low boiling point naphtha (<0,1% benzene)	Category 2
ethyl 3-ethoxypropionate	Category 3
xylene	Category 2
ethyl acetate	Category 3
4-methylpentan-2-one	Category 3
ethylbenzene	Category 3
2-butoxyethyl acetate	Category 3
butanone	Category 3
Naphthalene	Category 3
1,2,4-trimethylbenzene	Category 2
heptane (mixture of isomers)	Category 2

**Serious eye damage/eye irritation**

toluene	Category 2B
low boiling point naphtha (<0,1% benzene)	Category 2A



xylene	Category 2
ethyl acetate	Category 2
4-methylpentan-2-one	Category 2
ethylbenzene	Category 2B
2-butoxyethyl acetate	Category 2A
butanone	Category 2
Naphthalene	Category 2A
1,2,4-trimethylbenzene	Category 2
heptane (mixture of isomers)	Category 2A

**Respiratory sensitisation**

Not classified according to GHS criteria

**Skin sensitisation**

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

**Germ cell mutagenicity**

Not classified according to GHS criteria

**Carcinogenicity**

Naphthalene Category 2

**Toxicity for reproduction**

toluene Category 2

**Target Organ Systemic Toxicant - Single exposure**

- **Skin Absorption**

**Narcotic effects** toluene

- **Inhalation**

**Respiratory system** 1,2,4-trimethylbenzene, cumene

**Central nervous system** low boiling point naphtha (<0,1% benzene), 1,2,4-trimethylbenzene

**reproductive organs** ethyl acetate, heptane (mixture of isomers)

**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.

## 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
ethyl 3-ethoxypropionate	Category 3
xylene	Category 3
ethylbenzene	Category 2
2-butoxyethyl acetate	Category 3
Naphthalene	Category 1
1,2,4-trimethylbenzene	Category 2
cumene	Category 2
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1
heptane (mixture of isomers)	Category 1

**Chronic aquatic toxicity**

Solvent naphtha (petroleum), heavy arom.	Category 2
aluminium powder (stabilized)	Category 4
Naphthalene	Category 1
1,2,4-trimethylbenzene	Category 2
cumene	Category 2
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1
heptane (mixture of isomers)	Category 1

% of unknown composition 9.4%

**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	HSR002669
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
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Single exposure	Category 6.9B
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: 2013-08-26  
1250001644

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

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

<b>Product name</b>	FUL-THANE 2K F/P PEWTER MET
<b>Product code</b>	400-43
<b>reference number</b>	400-43
<b>Intended use of the substance/preparation</b> Coating for professional use	
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency telephone number	NZ Poisons Information Centre Ph: 0800 764 766 24-hour Emergency Number: (64)-9526 2501
Importer	Resene Paints Ltd.
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2013-08-28

## 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
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
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

Highly flammable liquid and vapour.  
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.  
Causes damage to organs.  
May cause damage to organs through prolonged or repeated exposure.  
Toxic to aquatic life.  
Toxic to aquatic life with long lasting effects.



Precautionary statements	Contaminated work clothing should not be allowed out of the workplace. Keep container tightly closed. Avoid release to the environment. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Do not eat, drink or smoke when using this product. Ground/bond container and receiving equipment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Take precautionary measures against static discharge. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Wash hands after handling. Wear protective gloves/ eye protection/ face protection. Collect spillage. IF exposed: Call a POISON CENTER or doctor/ physician. If eye irritation persists: 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 ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. If skin irritation or rash occurs: Get medical advice/ attention. Specific treatment (see supplemental first aid instructions on this label). Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local regulation.
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**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%	✓	
108-88-3	toluene	5 - 10%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	5 - 10%	✓	
763-69-9	ethyl 3-ethoxypropionate	3 - 5%	✓	
142-82-5	heptane (mixture of isomers)	3 - 5%	✓	
1330-20-7	xylene	3 - 5%	✓	
7429-90-5	aluminium powder (stabilized)	1 - 3%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	1 - 3%	✓	
141-78-6	ethyl acetate	1 - 3%	✓	
112-07-2	2-butoxyethyl acetate	1 - 3%	✓	
108-10-1	4-methylpentan-2-one	1 - 3%	✓	
1333-86-4	carbon black	0.3 - 1.0%		
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
78-93-3	butanone	0.3 - 1.0%	✓	
8052-41-3	stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	0.3 - 1.0%	✓	
95-63-6	1,2,4-trimethylbenzene	0.1 - 0.3%	✓	



CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
108-87-2	methylcyclohexane	0.1 - 0.3%	✓	
82919-37-7	methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	0.1 - 0.3%	✓	
91-20-3	Naphthalene	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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>
toluene	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
heptane (mixture of isomers)	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m <sup>3</sup>
	TWA	1,640 mg/m <sup>3</sup>
xylene	TWA	50 ppm



## Chemical Name

	TWA	217 mg/m3
aluminium powder (stabilized)	TWA	5 mg/m3
ethyl acetate	TWA	200 ppm
	TWA	720 mg/m3
4-methylpentan-2-one	TWA	50 ppm
	STEL	75 ppm
	STEL	307 mg/m3
	TWA	205 mg/m3
carbon black	TWA	3 mg/m3
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m3
	TWA	434 mg/m3
butanone	TWA	150 ppm
	STEL	300 ppm
	STEL	890 mg/m3
	TWA	445 mg/m3
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	TWA	100 ppm
	TWA	525 mg/m3
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m3
methylcyclohexane	TWA	400 ppm
	TWA	1,610 mg/m3
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m3
	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
ethyl acetate	Nitrile rubber	0.33 mm	10 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: silver    Odour: Characteristic Paint Odor    Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	91 °C	
Flash point	10 °C	
Evapouration rate	Slower than Ether	
Flammability		
Upper explosion limit	10.2 %	
Lower explosion limit	0.9 %	
Vapour pressure	11.8 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.97 g/cm <sup>3</sup>	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**

n-butyl acetate	Category 3
toluene	Category 2
low boiling point naphtha (<0,1% benzene)	Category 2
ethyl 3-ethoxypropionate	Category 3
heptane (mixture of isomers)	Category 2
xylene	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
ethyl acetate	Category 3
2-butoxyethyl acetate	Category 3
4-methylpentan-2-one	Category 3
ethylbenzene	Category 3
butanone	Category 3
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
methylcyclohexane	Category 2
Naphthalene	Category 3



**Serious eye damage/eye irritation**

toluene	Category 2B
low boiling point naphtha (<0,1% benzene)	Category 2A
heptane (mixture of isomers)	Category 2A
xylene	Category 2
ethyl acetate	Category 2
2-butoxyethyl acetate	Category 2A
4-methylpentan-2-one	Category 2
ethylbenzene	Category 2B
butanone	Category 2
1,2,4-trimethylbenzene	Category 2
Naphthalene	Category 2A

**Respiratory sensitisation**

Not classified according to GHS criteria

**Skin sensitisation**

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

**Germ cell mutagenicity**

Not classified according to GHS criteria

**Carcinogenicity**

Naphthalene Category 2

**Toxicity for reproduction**

toluene Category 2

**Target Organ Systemic Toxicant - Single exposure**• **Skin Absorption****Narcotic effects** toluene• **Inhalation****Respiratory system** 1,2,4-trimethylbenzene**Central nervous system** low boiling point naphtha (<0,1% benzene), 1,2,4-trimethylbenzene**reproductive organs** ethyl acetate, heptane (mixture of isomers)**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.



## 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
ethyl 3-ethoxypropionate	Category 3
heptane (mixture of isomers)	Category 1
xylene	Category 3
2-butoxyethyl acetate	Category 3
ethylbenzene	Category 2
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 1
1,2,4-trimethylbenzene	Category 2
methylcyclohexane	Category 2
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1
Naphthalene	Category 1

### Chronic aquatic toxicity

heptane (mixture of isomers)	Category 1
aluminium powder (stabilized)	Category 4
Solvent naphtha (petroleum), heavy arom.	Category 2
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 1
1,2,4-trimethylbenzene	Category 2
methylcyclohexane	Category 2
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1
Naphthalene	Category 1

% of unknown composition 9.2%

### 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: 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	HSR002669
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
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Single exposure	Category 6.9B
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: 2013-08-26  
2403-DR443

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

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

<b>Product name</b>	400-44 Nason Industrial Ful
<b>Product code</b>	400-44
<b>Intended use of the substance/preparation</b>	Coating for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
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 mild skin 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 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 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%	✓	
13463-67-7	Titanium dioxide	10 - 20%		
8032-32-4	low boiling point naphtha (<0,1% benzene)	5 - 10%	✓	
108-88-3	toluene	3 - 5%	✓	
7631-86-9	amorphous Silica	1 - 3%		
64742-94-5	Solvent naphtha (petroleum), heavy arom.	1 - 3%	✓	
763-69-9	ethyl 3-ethoxypropionate	1 - 3%	✓	
141-78-6	ethyl acetate	1 - 3%	✓	
112-07-2	2-butoxyethyl acetate	1 - 3%	✓	
1330-20-7	xylene	1 - 3%	✓	
21645-51-2	aluminium hydroxide	0.3 - 1.0%		
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
1317-65-3	Limestone (calcium carbonate)	0.3 - 1.0%		
78-93-3	butanone	0.3 - 1.0%	✓	
108-10-1	4-methylpentan-2-one	0.3 - 1.0%	✓	
41556-26-7	bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	0.1 - 0.3%	✓	
91-20-3	Naphthalene	0.1 - 0.3%	✓	
628-63-7	pentyl acetate	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 (CO<sub>2</sub>), 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 <sup>3</sup>
Titanium dioxide	TWA	713 mg/m <sup>3</sup>
	TWA	10 mg/m <sup>3</sup>
toluene	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
amorphous Silica	TWA	10 mg/m <sup>3</sup>
ethyl acetate	TWA	200 ppm
	TWA	720 mg/m <sup>3</sup>
xylene	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>
aluminium hydroxide	TWA	2 mg/m <sup>3</sup>
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m <sup>3</sup>
Limestone (calcium carbonate)	TWA	434 mg/m <sup>3</sup>
	TWA	10 mg/m <sup>3</sup>

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 Chemical Name
 

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butanone	TWA	150 ppm
	STEL	300 ppm
	STEL	890 mg/m <sup>3</sup>
	TWA	445 mg/m <sup>3</sup>
4-methylpentan-2-one	TWA	50 ppm
	STEL	75 ppm
	STEL	307 mg/m <sup>3</sup>
	TWA	205 mg/m <sup>3</sup>
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m <sup>3</sup>
	TWA	52 mg/m <sup>3</sup>
pentyl acetate	TWA	100 ppm
	TWA	532 mg/m <sup>3</sup>

**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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
ethyl acetate	Nitrile rubber	0.33 mm	10 min
	Viton (R) <sup>®</sup>	0.7 mm	480 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	0.7 mm	480 min
butanone	Viton (R) <sup>®</sup>	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: white    Odour: Characteristic Paint Odor    Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	116 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	8.5 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	1.15 g/cm <sup>3</sup>	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

not hazardous

#### Acute dermal toxicity

not hazardous

#### Acute inhalation toxicity

not hazardous

% of unknown composition 2 %

### Skin corrosion/irritation

n-butyl acetate	Category 3
low boiling point naphtha (<0,1% benzene)	Category 2
toluene	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
ethyl 3-ethoxypropionate	Category 3
ethyl acetate	Category 3
xylene	Category 2
ethylbenzene	Category 3
butanone	Category 3
4-methylpentan-2-one	Category 3
pentyl acetate	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

### Germ cell mutagenicity

Not classified according to GHS criteria

### Carcinogenicity

low boiling point naphtha (<0,1% benzene)	Category 1B
Naphthalene	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**

- **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.

**Chronic aquatic toxicity**

Solvent naphtha (petroleum), heavy arom.	Category 2
aluminium hydroxide	Category 1
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
Naphthalene	Category 1
pentyl acetate	Category 4

% of unknown composition 8.9%

**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: 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	
Skin corrosion/irritation	Category 6.3B
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
Chronic aquatic toxicity	Category 9.1C

**16. Other information**

Revision Note

Version	Changes
1.0	



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Version	Changes
Revision Date: B12770683	2015-01-29

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

End of Safety Data Sheet

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

**Product name** FUL-THANE 2K F/P ELEC BLUE

**Product code** 400-46

**reference number** 400-46

**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 telephone number** NZ Poisons Information Centre Ph: 0800 764 766  
24-hour Emergency Number: (64)-9526 2501

**Importer** Resene Paints Ltd.  
**Street/Box** 4 Te Apunga Place, Mt Wellington,  
Auckland, NZ

**Nat.-Code/Postal code/City**  
**Telephone** +64 (09) 259 2738

**Date of preparation** 2013-08-28

## 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
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
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 9.1C

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.  
May cause an allergic skin reaction.  
Suspected of causing cancer.  
Suspected of damaging fertility or the unborn child.  
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.



Precautionary statements	Contaminated work clothing should not be allowed out of the workplace. Keep container tightly closed. Avoid release to the environment. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Do not eat, drink or smoke when using this product. Ground/bond container and receiving equipment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Take precautionary measures against static discharge. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Wash hands after handling. Wear protective gloves/ eye protection/ face protection. IF exposed: Call a POISON CENTER or doctor/ physician. If eye irritation persists: 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 ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. If skin irritation or rash occurs: Get medical advice/ attention. Specific treatment (see supplemental first aid instructions on this label). Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local regulation.
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**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 ardous	Haz-
123-86-4	n-butyl acetate	10 - 20%	✓	
108-88-3	toluene	5 - 10%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	5 - 10%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	3 - 5%	✓	
763-69-9	ethyl 3-ethoxypropionate	3 - 5%	✓	
1330-20-7	xylene	3 - 5%	✓	
7429-90-5	aluminium powder (stabilized)	1 - 3%	✓	
141-78-6	ethyl acetate	1 - 3%	✓	
112-07-2	2-butoxyethyl acetate	1 - 3%	✓	
142-82-5	heptane (mixture of isomers)	1 - 3%	✓	
108-10-1	4-methylpentan-2-one	1 - 3%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
78-93-3	butanone	0.3 - 1.0%	✓	
8052-41-3	stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	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%	✓	



CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
91-20-3	Naphthalene	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 (CO<sub>2</sub>), 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/m3
toluene	TWA	713 mg/m3
	TWA	50 ppm
xylene	TWA	188 mg/m3
	TWA	50 ppm
aluminium powder (stabilized)	TWA	217 mg/m3
	TWA	5 mg/m3
ethyl acetate	TWA	200 ppm
	TWA	720 mg/m3
heptane (mixture of isomers)	TWA	400 ppm



Chemical Name		
	STEL	500 ppm
	STEL	2,050 mg/m3
	TWA	1,640 mg/m3
4-methylpentan-2-one	TWA	50 ppm
	STEL	75 ppm
	STEL	307 mg/m3
	TWA	205 mg/m3
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m3
	TWA	434 mg/m3
butanone	TWA	150 ppm
	STEL	300 ppm
	STEL	890 mg/m3
	TWA	445 mg/m3
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	TWA	100 ppm
	TWA	525 mg/m3
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m3
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m3
	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
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
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	109 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.2 %	
Lower explosion limit	0.9 %	
Vapour pressure	10.9 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.98 g/cm <sup>3</sup>	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**

n-butyl acetate	Category 3
toluene	Category 2
low boiling point naphtha (<0,1% benzene)	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
ethyl 3-ethoxypropionate	Category 3
xylene	Category 2
ethyl acetate	Category 3
2-butoxyethyl acetate	Category 3
heptane (mixture of isomers)	Category 2
4-methylpentan-2-one	Category 3
ethylbenzene	Category 3
butanone	Category 3
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
Naphthalene	Category 3

**Serious eye damage/eye irritation**

toluene	Category 2B
low boiling point naphtha (<0,1% benzene)	Category 2A
xylene	Category 2
ethyl acetate	Category 2



2-butoxyethyl acetate	Category 2A
heptane (mixture of isomers)	Category 2A
4-methylpentan-2-one	Category 2
ethylbenzene	Category 2B
butanone	Category 2
1,2,4-trimethylbenzene	Category 2
Naphthalene	Category 2A

**Respiratory sensitisation**

Not classified according to GHS criteria

**Skin sensitisation**

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

**Germ cell mutagenicity**

Not classified according to GHS criteria

**Carcinogenicity**

Naphthalene Category 2

**Toxicity for reproduction**

toluene Category 2

**Target Organ Systemic Toxicant - Single exposure**• **Skin Absorption****Narcotic effects** toluene• **Inhalation****Respiratory system** 1,2,4-trimethylbenzene**Central nervous system** low boiling point naphtha (<0,1% benzene), 1,2,4-trimethylbenzene**reproductive organs** ethyl acetate, heptane (mixture of isomers)**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.

## 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
ethyl 3-ethoxypropionate	Category 3
xylene	Category 3
2-butoxyethyl acetate	Category 3
heptane (mixture of isomers)	Category 1
ethylbenzene	Category 2
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 1
1,2,4-trimethylbenzene	Category 2
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1
Naphthalene	Category 1

**Chronic aquatic toxicity**

Solvent naphtha (petroleum), heavy arom.	Category 2
aluminium powder (stabilized)	Category 4
heptane (mixture of isomers)	Category 1
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 1
1,2,4-trimethylbenzene	Category 2
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1
Naphthalene	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: 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 [Solvent naphtha (petroleum), heavy arom.]  
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	
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 - Single exposure	Category 6.9B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Flammable liquids	Category 3.1B
Acute aquatic toxicity	Category 9.1B
Chronic aquatic toxicity	Category 9.1C

## 16. Other information

## Revision Note

Version	Changes
1.0	

Revision Date: 2013-08-26  
2403-DR429

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

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

<b>Product name</b>	FUL-THANE 2K F/P HOLLY RED
<b>Product code</b>	400-47
<b>reference number</b>	400-47
<b>Intended use of the substance/preparation</b> Coating for professional use	
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency telephone number	NZ Poisons Information Centre Ph: 0800 764 766 24-hour Emergency Number: (64)-9526 2501
Importer	Resene Paints Ltd.
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2013-08-28

## 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
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
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

Highly flammable liquid and vapour.  
Causes skin irritation.  
Causes serious eye irritation.  
Suspected of causing cancer.  
Suspected of damaging fertility or the unborn child.  
Causes damage to organs.  
May cause damage to organs through prolonged or repeated exposure.  
Toxic to aquatic life.  
Toxic to aquatic life with long lasting effects.

Precautionary statements

Keep container tightly closed.  
Avoid release to the environment.





Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
Do not eat, drink or smoke when using this product.  
Ground/bond container and receiving equipment.  
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
Obtain special instructions before use.  
Take precautionary measures against static discharge.  
Use explosion-proof electrical/ventilating/lighting equipment.  
Use only non-sparking tools.  
Wash hands after handling.  
Wear protective gloves/ eye protection/ face protection.  
Collect spillage.  
IF exposed: Call a POISON CENTER or doctor/ physician.  
If eye irritation persists: 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 ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
If skin irritation occurs, seek medical advice/attention.  
Specific treatment (see supplemental first aid instructions on this label).  
Store in a well-ventilated place. Keep cool.  
Store locked up.  
Dispose of contents/container in accordance with local regulation.

**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%	✓	
142-82-5	heptane (mixture of isomers)	5 - 10%	✓	
108-88-3	toluene	5 - 10%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	5 - 10%	✓	
763-69-9	ethyl 3-ethoxypropionate	3 - 5%	✓	
1330-20-7	xylene	3 - 5%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	1 - 3%	✓	
141-78-6	ethyl acetate	1 - 3%	✓	
112-07-2	2-butoxyethyl acetate	1 - 3%	✓	
108-10-1	4-methylpentan-2-one	1 - 3%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
78-93-3	butanone	0.3 - 1.0%	✓	
1332-37-2	Red iron oxide light	0.3 - 1.0%	✓	
108-87-2	methylcyclohexane	0.1 - 0.3%	✓	
1317-65-3	Limestone (calcium carbonate)	0.1 - 0.3%		
91-20-3	Naphthalene	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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>
heptane (mixture of isomers)	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m <sup>3</sup>
	TWA	1,640 mg/m <sup>3</sup>
toluene	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
xylene	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>
ethyl acetate	TWA	200 ppm
	TWA	720 mg/m <sup>3</sup>
4-methylpentan-2-one	TWA	50 ppm
	STEL	75 ppm
	STEL	307 mg/m <sup>3</sup>
ethylbenzene	TWA	205 mg/m <sup>3</sup>
	TWA	100 ppm
	STEL	125 ppm



Chemical Name		
	STEL	543 mg/m3
	TWA	434 mg/m3
butanone	TWA	150 ppm
	STEL	300 ppm
	STEL	890 mg/m3
	TWA	445 mg/m3
Red iron oxide light	TWA	1 mg/m3
methylcyclohexane	TWA	400 ppm
	TWA	1,610 mg/m3
Limestone (calcium carbonate)	TWA	10 mg/m3
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m3
	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
ethyl acetate	Nitrile rubber	0.33 mm	10 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	91 °C	
Flash point	10 °C	
Evapouration rate	Slower than Ether	
Flammability		
Upper explosion limit	10.2 %	
Lower explosion limit	0.9 %	
Vapour pressure	14.0 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.96 g/cm <sup>3</sup>	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**

n-butyl acetate	Category 3
heptane (mixture of isomers)	Category 2
toluene	Category 2
low boiling point naphtha (<0,1% benzene)	Category 2
ethyl 3-ethoxypropionate	Category 3
xylene	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
ethyl acetate	Category 3
2-butoxyethyl acetate	Category 3
4-methylpentan-2-one	Category 3
ethylbenzene	Category 3
butanone	Category 3
Red iron oxide light	Category 2
methylcyclohexane	Category 2
Naphthalene	Category 3

**Serious eye damage/eye irritation**

heptane (mixture of isomers)	Category 2A
toluene	Category 2B
low boiling point naphtha (<0,1% benzene)	Category 2A
xylene	Category 2
ethyl acetate	Category 2
2-butoxyethyl acetate	Category 2A
4-methylpentan-2-one	Category 2
ethylbenzene	Category 2B
butanone	Category 2
Red iron oxide light	Category 1
Naphthalene	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**

Naphthalene Category 2

**Toxicity for reproduction**

toluene Category 2

**Target Organ Systemic Toxicant - Single exposure**• **Skin Absorption****Narcotic effects** toluene• **Inhalation****Central nervous system** low boiling point naphtha (<0,1% benzene)**reproductive organs** ethyl acetate, heptane (mixture of isomers)**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**

n-butyl acetate	Category 3
heptane (mixture of isomers)	Category 1
toluene	Category 2
ethyl 3-ethoxypropionate	Category 3
xylene	Category 3
2-butoxyethyl acetate	Category 3
ethylbenzene	Category 2
methylcyclohexane	Category 2
Naphthalene	Category 1

**Chronic aquatic toxicity**

heptane (mixture of isomers)	Category 1
Solvent naphtha (petroleum), heavy arom.	Category 2
methylcyclohexane	Category 2
Naphthalene	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: 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	HSR002669
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
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Single exposure	Category 6.9B
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: 2013-08-26  
1250001648

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

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

<b>Product name</b>	FUL-THANE 2K F/P SUN YELLOW
<b>Product code</b>	400-48
<b>reference number</b>	400-48
<b>Intended use of the substance/preparation</b> Coating for professional use	
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency telephone number	NZ Poisons Information Centre Ph: 0800 764 766 24-hour Emergency Number: (64)-9526 2501
Importer	Resene Paints Ltd.
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2013-08-28

## 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
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
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

Highly flammable liquid and vapour.  
Causes skin irritation.  
Causes serious eye irritation.  
Suspected of causing cancer.  
Suspected of damaging fertility or the unborn child.  
Causes damage to organs.  
May cause damage to organs through prolonged or repeated exposure.  
Toxic to aquatic life.  
Toxic to aquatic life with long lasting effects.

Precautionary statements

Keep container tightly closed.  
Avoid release to the environment.



Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
Do not eat, drink or smoke when using this product.  
Ground/bond container and receiving equipment.  
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
Obtain special instructions before use.  
Take precautionary measures against static discharge.  
Use explosion-proof electrical/ventilating/lighting equipment.  
Use only non-sparking tools.  
Wash hands after handling.  
Wear protective gloves/ eye protection/ face protection.  
Collect spillage.  
IF exposed: Call a POISON CENTER or doctor/ physician.  
If eye irritation persists: 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 ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
If skin irritation occurs, seek medical advice/attention.  
Specific treatment (see supplemental first aid instructions on this label).  
Store in a well-ventilated place. Keep cool.  
Store locked up.  
Dispose of contents/container in accordance with local regulation.

**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%	✓	
142-82-5	heptane (mixture of isomers)	5 - 10%	✓	
13463-67-7	Titanium dioxide	5 - 10%	✓	
108-88-3	toluene	5 - 10%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	5 - 10%	✓	
1330-20-7	xylene	3 - 5%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	1 - 3%	✓	
763-69-9	ethyl 3-ethoxypropionate	1 - 3%	✓	
141-78-6	ethyl acetate	1 - 3%	✓	
112-07-2	2-butoxyethyl acetate	1 - 3%	✓	
108-10-1	4-methylpentan-2-one	1 - 3%	✓	
7631-86-9	amorphous Silica	0.3 - 1.0%		
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
78-93-3	butanone	0.3 - 1.0%	✓	
21645-51-2	aluminium hydroxide	0.1 - 0.3%		
108-87-2	methylcyclohexane	0.1 - 0.3%	✓	
91-20-3	Naphthalene	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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>
heptane (mixture of isomers)	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m <sup>3</sup>
	TWA	1,640 mg/m <sup>3</sup>
Titanium dioxide	TWA	10 mg/m <sup>3</sup>
toluene	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
xylene	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>
ethyl acetate	TWA	200 ppm
	TWA	720 mg/m <sup>3</sup>
4-methylpentan-2-one	TWA	50 ppm
	STEL	75 ppm
	STEL	307 mg/m <sup>3</sup>
	TWA	205 mg/m <sup>3</sup>
amorphous Silica	TWA	10 mg/m <sup>3</sup>



Chemical Name		
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m3
	TWA	434 mg/m3
butanone	TWA	150 ppm
	STEL	300 ppm
	STEL	890 mg/m3
	TWA	445 mg/m3
aluminium hydroxide	TWA	2 mg/m3
methylcyclohexane	TWA	400 ppm
	TWA	1,610 mg/m3
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m3
	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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	0.7 mm	480 min
ethyl acetate	Nitrile rubber	0.33 mm	10 min
	Viton (R) <sup>®</sup>	0.7 mm	480 min
butanone	Viton (R) <sup>®</sup>	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	91 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.2 %	
Lower explosion limit	0.9 %	
Vapour pressure	12.5 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	1.01 g/cm <sup>3</sup>	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**

n-butyl acetate	Category 3
heptane (mixture of isomers)	Category 2
toluene	Category 2
low boiling point naphtha (<0,1% benzene)	Category 2
xylene	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
ethyl 3-ethoxypropionate	Category 3
ethyl acetate	Category 3
2-butoxyethyl acetate	Category 3
4-methylpentan-2-one	Category 3
ethylbenzene	Category 3
butanone	Category 3
methylcyclohexane	Category 2
Naphthalene	Category 3

**Serious eye damage/eye irritation**

heptane (mixture of isomers)	Category 2A
toluene	Category 2B
low boiling point naphtha (<0,1% benzene)	Category 2A
xylene	Category 2
ethyl acetate	Category 2
2-butoxyethyl acetate	Category 2A
4-methylpentan-2-one	Category 2
ethylbenzene	Category 2B
butanone	Category 2
Naphthalene	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**

Naphthalene Category 2

**Toxicity for reproduction**

toluene Category 2

**Target Organ Systemic Toxicant - Single exposure**

- **Skin Absorption**

Narcotic effects toluene

- **Inhalation**

Central nervous system low boiling point naphtha (&lt;0,1% benzene)

reproductive organs ethyl acetate, heptane (mixture of isomers)

**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**

n-butyl acetate	Category 3
heptane (mixture of isomers)	Category 1
Titanium dioxide	Category 3
toluene	Category 2
xylene	Category 3
ethyl 3-ethoxypropionate	Category 3
2-butoxyethyl acetate	Category 3
ethylbenzene	Category 2
methylcyclohexane	Category 2
Naphthalene	Category 1

**Chronic aquatic toxicity**

heptane (mixture of isomers)	Category 1
Solvent naphtha (petroleum), heavy arom.	Category 2
methylcyclohexane	Category 2
Naphthalene	Category 1



% of unknown composition 10.9%

**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: 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	HSR002669
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
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Single exposure	Category 6.9B
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:	2013-08-26
1250001649	

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

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

<b>Product name</b>	FUL-THANE 2K F/P GM-12 WHITE
<b>Product code</b>	400-50
<b>reference number</b>	400-50
<b>Intended use of the substance/preparation</b> Coating for professional use	
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency telephone number	NZ Poisons Information Centre Ph: 0800 764 766 24-hour Emergency Number: (64)-9526 2501
Importer	Resene Paints Ltd.
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2013-08-28

## 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
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
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

Highly flammable liquid and vapour.  
Causes skin irritation.  
Causes serious eye irritation.  
Suspected of causing cancer.  
Suspected of damaging fertility or the unborn child.  
Causes damage to organs.  
May cause damage to organs through prolonged or repeated exposure.  
Harmful to aquatic life.  
Harmful to aquatic life with long lasting effects.

Precautionary statements

Keep container tightly closed.  
Avoid release to the environment.



Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
Do not eat, drink or smoke when using this product.  
Ground/bond container and receiving equipment.  
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
Obtain special instructions before use.  
Take precautionary measures against static discharge.  
Use explosion-proof electrical/ventilating/lighting equipment.  
Use only non-sparking tools.  
Wash hands after handling.  
Wear protective gloves/ eye protection/ face protection.  
IF exposed: Call a POISON CENTER or doctor/ physician.  
If eye irritation persists: 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 ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
If skin irritation occurs, seek medical advice/attention.  
Specific treatment (see supplemental first aid instructions on this label).  
Store in a well-ventilated place. Keep cool.  
Store locked up.  
Dispose of contents/container in accordance with local regulation.

**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 ardous	Haz-
123-86-4	n-butyl acetate	10 - 20%	✓	
13463-67-7	Titanium dioxide	10 - 20%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	5 - 10%	✓	
108-88-3	toluene	3 - 5%	✓	
7631-86-9	amorphous Silica	1 - 3%		
64742-94-5	Solvent naphtha (petroleum), heavy arom.	1 - 3%	✓	
763-69-9	ethyl 3-ethoxypropionate	1 - 3%	✓	
141-78-6	ethyl acetate	1 - 3%	✓	
112-07-2	2-butoxyethyl acetate	1 - 3%	✓	
142-82-5	heptane (mixture of isomers)	1 - 3%	✓	
1317-65-3	Limestone (calcium carbonate)	1 - 3%		
1330-20-7	xylene	1 - 3%	✓	
21645-51-2	aluminium hydroxide	0.3 - 1.0%		
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
78-93-3	butanone	0.3 - 1.0%	✓	
108-10-1	4-methylpentan-2-one	0.3 - 1.0%	✓	
91-20-3	Naphthalene	0.1 - 0.3%	✓	
628-63-7	pentyl acetate	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 (CO<sub>2</sub>), 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		
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m <sup>3</sup>
Titanium dioxide	TWA	713 mg/m <sup>3</sup>
	TWA	10 mg/m <sup>3</sup>
toluene	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
amorphous Silica	TWA	10 mg/m <sup>3</sup>
	TWA	200 ppm
ethyl acetate	TWA	720 mg/m <sup>3</sup>
	TWA	400 ppm
	STEL	500 ppm
heptane (mixture of isomers)	STEL	2,050 mg/m <sup>3</sup>
	TWA	1,640 mg/m <sup>3</sup>
	TWA	10 mg/m <sup>3</sup>
Limestone (calcium carbonate)	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>
xylene	TWA	2 mg/m <sup>3</sup>
	TWA	100 ppm
aluminium hydroxide		
ethylbenzene		



## Chemical Name

butanone	STEL	125 ppm
	STEL	543 mg/m3
	TWA	434 mg/m3
	TWA	150 ppm
4-methylpentan-2-one	STEL	300 ppm
	STEL	890 mg/m3
	TWA	445 mg/m3
	TWA	50 ppm
Naphthalene	STEL	75 ppm
	STEL	307 mg/m3
	TWA	205 mg/m3
	TWA	10 ppm
pentyl acetate	STEL	15 ppm
	STEL	79 mg/m3
	TWA	52 mg/m3
	TWA	100 ppm
	TWA	532 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
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
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: white    Odour: Characteristic Paint Odor    Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	116 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.2 %	
Lower explosion limit	0.9 %	
Vapour pressure	8.6 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	1.14 g/cm <sup>3</sup>	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**

n-butyl acetate	Category 3
low boiling point naphtha (<0,1% benzene)	Category 2
toluene	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
ethyl 3-ethoxypropionate	Category 3
ethyl acetate	Category 3
2-butoxyethyl acetate	Category 3
heptane (mixture of isomers)	Category 2
xylene	Category 2
ethylbenzene	Category 3
butanone	Category 3
4-methylpentan-2-one	Category 3
Naphthalene	Category 3
pentyl acetate	Category 3

**Serious eye damage/eye irritation**

low boiling point naphtha (<0,1% benzene)	Category 2A
toluene	Category 2B
ethyl acetate	Category 2
2-butoxyethyl acetate	Category 2A
heptane (mixture of isomers)	Category 2A
xylene	Category 2
ethylbenzene	Category 2B
butanone	Category 2
4-methylpentan-2-one	Category 2
Naphthalene	Category 2A
pentyl 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**

Naphthalene Category 2

**Toxicity for reproduction**

toluene Category 2

**Target Organ Systemic Toxicant - Single exposure**• **Skin Absorption****Narcotic effects** toluene• **Inhalation****Central nervous system** low boiling point naphtha (<0,1% benzene)**reproductive organs** ethyl acetate, heptane (mixture of isomers)**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
Titanium dioxide	Category 3
toluene	Category 2
ethyl 3-ethoxypropionate	Category 3
2-butoxyethyl acetate	Category 3
heptane (mixture of isomers)	Category 1
xylene	Category 3
ethylbenzene	Category 2
Naphthalene	Category 1

**Chronic aquatic toxicity**

Solvent naphtha (petroleum), heavy arom.	Category 2
heptane (mixture of isomers)	Category 1
Naphthalene	Category 1
pentyl acetate	Category 4

% 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**

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 [Solvent naphtha (petroleum), heavy arom.]  
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	
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Single exposure	Category 6.9B
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:	2013-08-26
1250001650	

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

<b>Product name</b>	FUL-THANE 2K F/P RUBY RD PL
<b>Product code</b>	400-51
<b>reference number</b>	400-51
<b>Intended use of the substance/preparation</b> Coating for professional use	
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency telephone number	NZ Poisons Information Centre Ph: 0800 764 766 24-hour Emergency Number: (64)-9526 2501
Importer	Resene Paints Ltd.
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2013-08-28

## 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
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
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

Highly flammable liquid and vapour.  
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.  
Causes damage to organs.  
May cause damage to organs through prolonged or repeated exposure.  
Toxic to aquatic life.  
Toxic to aquatic life with long lasting effects.



Precautionary statements	<p>Contaminated work clothing should not be allowed out of the workplace. Keep container tightly closed. Avoid release to the environment. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Do not eat, drink or smoke when using this product. Ground/bond container and receiving equipment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Take precautionary measures against static discharge. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Wash hands after handling. Wear protective gloves/ eye protection/ face protection. Collect spillage. IF exposed: Call a POISON CENTER or doctor/ physician. If eye irritation persists: 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 ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. If skin irritation or rash occurs: Get medical advice/ attention. Specific treatment (see supplemental first aid instructions on this label). Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local regulation.</p>
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**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%	✓	
108-88-3	toluene	5 - 10%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	5 - 10%	✓	
763-69-9	ethyl 3-ethoxypropionate	3 - 5%	✓	
142-82-5	heptane (mixture of isomers)	3 - 5%	✓	
1330-20-7	xylene	3 - 5%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	1 - 3%	✓	
141-78-6	ethyl acetate	1 - 3%	✓	
112-07-2	2-butoxyethyl acetate	1 - 3%	✓	
108-10-1	4-methylpentan-2-one	1 - 3%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
78-93-3	butanone	0.3 - 1.0%	✓	
12001-26-2	Mica	0.3 - 1.0%		
13463-67-7	Titanium dioxide	0.3 - 1.0%	✓	
95-63-6	1,2,4-trimethylbenzene	0.1 - 0.3%	✓	
7429-90-5	aluminium powder (stabilized)	0.1 - 0.3%	✓	
7727-43-7	barium sulphate, natural	0.1 - 0.3%		



CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
82919-37-7	methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	0.1 - 0.3%	✓	
111-76-2	2-butoxyethanol	0.1 - 0.3%	✓	
91-20-3	Naphthalene	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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>
toluene	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
heptane (mixture of isomers)	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m <sup>3</sup>
	TWA	1,640 mg/m <sup>3</sup>
xylene	TWA	50 ppm



## Chemical Name

	TWA	217 mg/m3
ethyl acetate	TWA	200 ppm
	TWA	720 mg/m3
4-methylpentan-2-one	TWA	50 ppm
	STEL	75 ppm
	STEL	307 mg/m3
	TWA	205 mg/m3
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m3
	TWA	434 mg/m3
butanone	TWA	150 ppm
	STEL	300 ppm
	STEL	890 mg/m3
	TWA	445 mg/m3
Mica	TWA	3 mg/m3
Titanium dioxide	TWA	10 mg/m3
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m3
aluminium powder (stabilized)	TWA	5 mg/m3
barium sulphate, natural	TWA	10 mg/m3
2-butoxyethanol	TWA	25 ppm
	TWA	121 mg/m3
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m3
	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
ethyl acetate	Nitrile rubber	0.33 mm	10 min
	Viton (R) ®	0.7 mm	480 min
butanone	Viton (R) ®	0.7 mm	10 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: red    Odour: Characteristic Paint Odor    Odor Threshold : no data available

pH	not applicable
Freezing point	Not applicable.
Boiling point	109 °C
Flash point	10 °C
Evaporation rate	Slower than Ether
Flammability	
Upper explosion limit	10.2 %
Lower explosion limit	0.9 %
Vapour pressure	11.7 hPa
Solubility(ies)	moderate
Vapour density	no data available
Density	0.98 g/cm <sup>3</sup> 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

n-butyl acetate	Category 3
toluene	Category 2
low boiling point naphtha (<0,1% benzene)	Category 2
ethyl 3-ethoxypropionate	Category 3
heptane (mixture of isomers)	Category 2
xylene	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
ethyl acetate	Category 3
2-butoxyethyl acetate	Category 3
4-methylpentan-2-one	Category 3
ethylbenzene	Category 3
butanone	Category 3
1,2,4-trimethylbenzene	Category 2
2-butoxyethanol	Category 2
Naphthalene	Category 3

**Serious eye damage/eye irritation**

toluene	Category 2B
low boiling point naphtha (<0,1% benzene)	Category 2A
heptane (mixture of isomers)	Category 2A
xylene	Category 2
ethyl acetate	Category 2
2-butoxyethyl acetate	Category 2A
4-methylpentan-2-one	Category 2
ethylbenzene	Category 2B
butanone	Category 2
1,2,4-trimethylbenzene	Category 2
2-butoxyethanol	Category 2
Naphthalene	Category 2A

**Respiratory sensitisation**

Not classified according to GHS criteria

**Skin sensitisation**

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

**Germ cell mutagenicity**

Not classified according to GHS criteria

**Carcinogenicity**

Naphthalene Category 2

**Toxicity for reproduction**

toluene Category 2

**Target Organ Systemic Toxicant - Single exposure**• **Skin Absorption****Narcotic effects** toluene• **Inhalation****Respiratory system** 1,2,4-trimethylbenzene**Central nervous system** low boiling point naphtha (<0,1% benzene), 1,2,4-trimethylbenzene**reproductive organs** ethyl acetate, heptane (mixture of isomers)**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.



## 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
ethyl 3-ethoxypropionate	Category 3
heptane (mixture of isomers)	Category 1
xylene	Category 3
2-butoxyethyl acetate	Category 3
ethylbenzene	Category 2
Titanium dioxide	Category 3
1,2,4-trimethylbenzene	Category 2
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1
Naphthalene	Category 1

### Chronic aquatic toxicity

heptane (mixture of isomers)	Category 1
Solvent naphtha (petroleum), heavy arom.	Category 2
1,2,4-trimethylbenzene	Category 2
aluminium powder (stabilized)	Category 4
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1
Naphthalene	Category 1

% of unknown composition 11.3%

### 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: 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	HSR002669
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
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Single exposure	Category 6.9B
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: 2013-08-26  
1250001651

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

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

<b>Product name</b>	FUL-THANE 2K F/P WHOLE EARTH
<b>Product code</b>	400-52
<b>reference number</b>	400-52
<b>Intended use of the substance/preparation</b> Coating for professional use	
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency telephone number	NZ Poisons Information Centre Ph: 0800 764 766 24-hour Emergency Number: (64)-9526 2501
Importer	Resene Paints Ltd.
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2013-08-28

## 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
Skin sensitisation	Category 6.5B
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
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

Highly flammable liquid and vapour.  
Causes skin irritation.  
Causes serious eye damage.  
May cause an allergic skin reaction.  
Suspected of causing cancer.  
Suspected of damaging fertility or the unborn child.  
Causes damage to organs.  
May cause damage to organs through prolonged or repeated exposure.  
Harmful to aquatic life.  
Harmful to aquatic life with long lasting effects.





Precautionary statements	Contaminated work clothing should not be allowed out of the workplace. Keep container tightly closed. Avoid release to the environment. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Do not eat, drink or smoke when using this product. Ground/bond container and receiving equipment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Take precautionary measures against static discharge. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Wash hands after handling. Wear protective gloves/ eye protection/ face protection. IF exposed: 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. IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. If skin irritation or rash occurs: Get medical advice/ attention. Immediately call a POISON CENTER or doctor/ physician. Specific treatment (see supplemental first aid instructions on this label). Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local regulation.
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**Other hazards which do not result in classification**

Contains: methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate; 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	10 - 20%	✓	
108-88-3	toluene	5 - 10%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	5 - 10%	✓	
1330-20-7	xylene	5 - 10%	✓	
1309-37-1	Iron oxide	3 - 5%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	1 - 3%	✓	
763-69-9	ethyl 3-ethoxypropionate	1 - 3%	✓	
141-78-6	ethyl acetate	1 - 3%	✓	
100-41-4	ethylbenzene	1 - 3%	✓	
112-07-2	2-butoxyethyl acetate	1 - 3%	✓	
142-82-5	heptane (mixture of isomers)	1 - 3%	✓	
108-10-1	4-methylpentan-2-one	1 - 3%	✓	
7429-90-5	aluminium powder (stabilized)	0.3 - 1.0%	✓	
78-93-3	butanone	0.3 - 1.0%	✓	
95-63-6	1,2,4-trimethylbenzene	0.1 - 0.3%	✓	
1333-86-4	carbon black	0.1 - 0.3%		



CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
82919-37-7	methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	0.1 - 0.3%	✓	
80-62-6	methyl methacrylate	0.1 - 0.3%	✓	
97-88-1	n-butyl methacrylate	0.1 - 0.3%	✓	
91-20-3	Naphthalene	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 (CO<sub>2</sub>), 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 <sup>3</sup>
toluene	TWA	713 mg/m <sup>3</sup>
	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
xylene	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>
Iron oxide	TWA	5 mg/m <sup>3</sup>
ethyl acetate	TWA	200 ppm
	TWA	720 mg/m <sup>3</sup>



## Chemical Name

ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m3
	TWA	434 mg/m3
heptane (mixture of isomers)	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m3
	TWA	1,640 mg/m3
4-methylpentan-2-one	TWA	50 ppm
	STEL	75 ppm
	STEL	307 mg/m3
	TWA	205 mg/m3
aluminium powder (stabilized)	TWA	5 mg/m3
butanone	TWA	150 ppm
	STEL	300 ppm
	STEL	890 mg/m3
	TWA	445 mg/m3
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m3
carbon black	TWA	3 mg/m3
methyl methacrylate	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m3
	TWA	208 mg/m3
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m3
	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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	0.7 mm	480 min
ethyl acetate	Nitrile rubber	0.33 mm	10 min
	Viton (R) <sup>®</sup>	0.7 mm	480 min
butanone	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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	109 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.2 %	
Lower explosion limit	0.9 %	
Vapour pressure	9.7 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	1.01 g/cm <sup>3</sup>	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

n-butyl acetate	Category 3
toluene	Category 2
low boiling point naphtha (<0,1% benzene)	Category 2
xylene	Category 2
Iron oxide	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
ethyl 3-ethoxypropionate	Category 3
ethyl acetate	Category 3
ethylbenzene	Category 3
2-butoxyethyl acetate	Category 3
heptane (mixture of isomers)	Category 2
4-methylpentan-2-one	Category 3
butanone	Category 3
1,2,4-trimethylbenzene	Category 2



methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
Naphthalene	Category 3

**Serious eye damage/eye irritation**

toluene	Category 2B
low boiling point naphtha (<0,1% benzene)	Category 2A
xylene	Category 2
Iron oxide	Category 1
ethyl acetate	Category 2
ethylbenzene	Category 2B
2-butoxyethyl acetate	Category 2A
heptane (mixture of isomers)	Category 2A
4-methylpentan-2-one	Category 2
butanone	Category 2
1,2,4-trimethylbenzene	Category 2
n-butyl methacrylate	Category 2
Naphthalene	Category 2A

**Respiratory sensitisation**

Not classified according to GHS criteria

**Skin sensitisation**

methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1
methyl methacrylate	Category 1
n-butyl methacrylate	Category 1

**Germ cell mutagenicity**

Not classified according to GHS criteria

**Carcinogenicity**

Naphthalene Category 2

**Toxicity for reproduction**

toluene	Category 2
methyl methacrylate	Category 2

**Target Organ Systemic Toxicant - Single exposure**● **Skin Absorption****Narcotic effects** toluene● **Inhalation****Respiratory system** methyl methacrylate, 1,2,4-trimethylbenzene**Central nervous system** low boiling point naphtha (<0,1% benzene), 1,2,4-trimethylbenzene**reproductive organs** ethyl acetate, heptane (mixture of isomers)**Target Organ Systemic Toxicant - Repeated exposure**● **Skin Absorption****Spleen** n-butyl methacrylate**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 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
Iron oxide	Category 3
ethyl 3-ethoxypropionate	Category 3
ethylbenzene	Category 2
2-butoxyethyl acetate	Category 3
heptane (mixture of isomers)	Category 1
1,2,4-trimethylbenzene	Category 2
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
Naphthalene	Category 1

**Chronic aquatic toxicity**

Solvent naphtha (petroleum), heavy arom.	Category 2
heptane (mixture of isomers)	Category 1
aluminium powder (stabilized)	Category 4
1,2,4-trimethylbenzene	Category 2
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1
Naphthalene	Category 1

% of unknown composition 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: 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	
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 8.3A
Skin sensitisation	Category 6.5B
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Single exposure	Category 6.9B
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:	2013-08-26
2403-DR453	



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

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

<b>Product name</b>	400-53 Nason Industrial Ful
<b>Product code</b>	400-53
<b>Intended use of the substance/preparation</b>	
Coating for professional use	
<b>Supplier</b>	
Street address	Axalta Coating Systems Australia Pty Limited 15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	
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
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

Highly flammable liquid and vapour.  
Causes mild skin 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.  
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 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%	✓	
13463-67-7	Titanium dioxide	10 - 20%		
8032-32-4	low boiling point naphtha (<0,1% benzene)	5 - 10%	✓	
108-88-3	toluene	3 - 5%	✓	
7631-86-9	amorphous Silica	1 - 3%		
64742-94-5	Solvent naphtha (petroleum), heavy arom.	1 - 3%	✓	
763-69-9	ethyl 3-ethoxypropionate	1 - 3%	✓	
141-78-6	ethyl acetate	1 - 3%	✓	
112-07-2	2-butoxyethyl acetate	1 - 3%	✓	
142-82-5	heptane (mixture of isomers)	1 - 3%	✓	
1330-20-7	xylene	1 - 3%	✓	
21645-51-2	aluminium hydroxide	0.3 - 1.0%		
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
1317-65-3	Limestone (calcium carbonate)	0.3 - 1.0%		
78-93-3	butanone	0.3 - 1.0%	✓	
108-10-1	4-methylpentan-2-one	0.3 - 1.0%	✓	
628-63-7	pentyl acetate	0.3 - 1.0%	✓	
41556-26-7	bis(1,2,2,6,6-pentamethyl-4-piperidyl) seba- cate	0.1 - 0.3%	✓	
91-20-3	Naphthalene	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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>
Titanium dioxide	TWA	10 mg/m <sup>3</sup>
toluene	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
amorphous Silica	TWA	10 mg/m <sup>3</sup>
ethyl acetate	TWA	200 ppm
	TWA	720 mg/m <sup>3</sup>
heptane (mixture of isomers)	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m <sup>3</sup>
xylene	TWA	1,640 mg/m <sup>3</sup>
	TWA	50 ppm

Chemical Name		
	TWA	217 mg/m3
aluminium hydroxide	TWA	2 mg/m3
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m3
	TWA	434 mg/m3
Limestone (calcium carbonate)	TWA	10 mg/m3
butanone	TWA	150 ppm
	STEL	300 ppm
	STEL	890 mg/m3
	TWA	445 mg/m3
4-methylpentan-2-one	TWA	50 ppm
	STEL	75 ppm
	STEL	307 mg/m3
	TWA	205 mg/m3
pentyl acetate	TWA	100 ppm
	TWA	532 mg/m3
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m3
	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) <sup>®</sup>	0.7 mm	10 min

Chemical Name	Glove material	Glove thickness	Break through time
	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
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: white    Odour: Characteristic Paint Odor    Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	116 °C	
Flash point	10 °C	
Evapouration rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	9.3 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	1.16 g/cm <sup>3</sup>	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 2.1 %

**Skin corrosion/irritation**

n-butyl acetate	Category 3
low boiling point naphtha (<0,1% benzene)	Category 2
toluene	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
ethyl 3-ethoxypropionate	Category 3
ethyl acetate	Category 3
heptane (mixture of isomers)	Category 2
xylene	Category 2
ethylbenzene	Category 3
butanone	Category 3
4-methylpentan-2-one	Category 3
pentyl acetate	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

**Germ cell mutagenicity**

Not classified according to GHS criteria

**Carcinogenicity**

low boiling point naphtha (<0,1% benzene)	Category 1B
Naphthalene	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**

- **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
Titanium dioxide	Category 3
toluene	Category 2
ethyl 3-ethoxypropionate	Category 3
2-butoxyethyl acetate	Category 3
heptane (mixture of isomers)	Category 1
xylene	Category 3
aluminium hydroxide	Category 1
ethylbenzene	Category 2
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
Naphthalene	Category 1

**Chronic aquatic toxicity**

Solvent naphtha (petroleum), heavy arom.	Category 2
heptane (mixture of isomers)	Category 1
aluminium hydroxide	Category 1
pentyl acetate	Category 4
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
Naphthalene	Category 1

% of unknown composition 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: 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	HSR002669
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
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  
B12770671

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

End of Safety Data Sheet

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

<b>Product name</b>	FUL-THANE 2K F/P MIAMI BLUE
<b>Product code</b>	400-54
<b>reference number</b>	400-54
<b>Intended use of the substance/preparation</b> Coating for professional use	
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency telephone number	NZ Poisons Information Centre Ph: 0800 764 766 24-hour Emergency Number: (64)-9526 2501
Importer	Resene Paints Ltd.
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2013-08-28

## 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
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
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

Highly flammable liquid and vapour.  
Causes skin irritation.  
Causes serious eye irritation.  
Suspected of causing cancer.  
Suspected of damaging fertility or the unborn child.  
Causes damage to organs.  
May cause damage to organs through prolonged or repeated exposure.  
Toxic to aquatic life.  
Toxic to aquatic life with long lasting effects.

Precautionary statements

Keep container tightly closed.  
Avoid release to the environment.



Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
Do not eat, drink or smoke when using this product.  
Ground/bond container and receiving equipment.  
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
Obtain special instructions before use.  
Take precautionary measures against static discharge.  
Use explosion-proof electrical/ventilating/lighting equipment.  
Use only non-sparking tools.  
Wash hands after handling.  
Wear protective gloves/ eye protection/ face protection.  
Collect spillage.  
IF exposed: Call a POISON CENTER or doctor/ physician.  
If eye irritation persists: 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 ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
If skin irritation occurs, seek medical advice/attention.  
Specific treatment (see supplemental first aid instructions on this label).  
Store in a well-ventilated place. Keep cool.  
Store locked up.  
Dispose of contents/container in accordance with local regulation.

**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%	✓	
13463-67-7	Titanium dioxide	10 - 20%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	5 - 10%	✓	
763-69-9	ethyl 3-ethoxypropionate	3 - 5%	✓	
142-82-5	heptane (mixture of isomers)	3 - 5%	✓	
1330-20-7	xylene	3 - 5%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	1 - 3%	✓	
141-78-6	ethyl acetate	1 - 3%	✓	
112-07-2	2-butoxyethyl acetate	1 - 3%	✓	
108-88-3	toluene	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%	✓	
78-93-3	butanone	0.3 - 1.0%	✓	
108-10-1	4-methylpentan-2-one	0.3 - 1.0%	✓	
108-87-2	methylcyclohexane	0.1 - 0.3%	✓	
91-20-3	Naphthalene	0.1 - 0.3%	✓	
628-63-7	pentyl acetate	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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>
Titanium dioxide	TWA	10 mg/m <sup>3</sup>
heptane (mixture of isomers)	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m <sup>3</sup>
	TWA	1,640 mg/m <sup>3</sup>
xylene	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>
ethyl acetate	TWA	200 ppm
	TWA	720 mg/m <sup>3</sup>
toluene	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
aluminium hydroxide	TWA	2 mg/m <sup>3</sup>
amorphous Silica	TWA	10 mg/m <sup>3</sup>
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m <sup>3</sup>





Chemical Name		
	TWA	434 mg/m3
butanone	TWA	150 ppm
	STEL	300 ppm
	STEL	890 mg/m3
	TWA	445 mg/m3
4-methylpentan-2-one	TWA	50 ppm
	STEL	75 ppm
	STEL	307 mg/m3
	TWA	205 mg/m3
methylcyclohexane	TWA	400 ppm
	TWA	1,610 mg/m3
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m3
	TWA	52 mg/m3
pentyl acetate	TWA	100 ppm
	TWA	532 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
ethyl acetate	Nitrile rubber	0.33 mm	10 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	91 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.2 %	
Lower explosion limit	0.9 %	
Vapour pressure	10.2 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	1.06 g/cm <sup>3</sup>	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**

n-butyl acetate	Category 3
low boiling point naphtha (<0,1% benzene)	Category 2
ethyl 3-ethoxypropionate	Category 3
heptane (mixture of isomers)	Category 2
xylene	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
ethyl acetate	Category 3
2-butoxyethyl acetate	Category 3
toluene	Category 2
ethylbenzene	Category 3
butanone	Category 3
4-methylpentan-2-one	Category 3
methylcyclohexane	Category 2
Naphthalene	Category 3
pentyl acetate	Category 3

**Serious eye damage/eye irritation**

low boiling point naphtha (<0,1% benzene)	Category 2A
heptane (mixture of isomers)	Category 2A
xylene	Category 2
ethyl acetate	Category 2
2-butoxyethyl acetate	Category 2A
toluene	Category 2B
ethylbenzene	Category 2B
butanone	Category 2
4-methylpentan-2-one	Category 2
Naphthalene	Category 2A
pentyl 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**

Naphthalene Category 2

**Toxicity for reproduction**

toluene Category 2

**Target Organ Systemic Toxicant - Single exposure**

- **Skin Absorption**

**Narcotic effects** toluene

- **Inhalation**

**Central nervous system** low boiling point naphtha (<0,1% benzene)**reproductive organs** ethyl acetate, heptane (mixture of isomers)**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**

n-butyl acetate	Category 3
Titanium dioxide	Category 3
ethyl 3-ethoxypropionate	Category 3
heptane (mixture of isomers)	Category 1
xylene	Category 3
2-butoxyethyl acetate	Category 3
toluene	Category 2
ethylbenzene	Category 2
methylcyclohexane	Category 2
Naphthalene	Category 1

**Chronic aquatic toxicity**

heptane (mixture of isomers)	Category 1
Solvent naphtha (petroleum), heavy arom.	Category 2
methylcyclohexane	Category 2
Naphthalene	Category 1
pentyl acetate	Category 4

% of unknown composition 7.5%

**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:	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	HSR002669
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
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Single exposure	Category 6.9B
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:	2013-08-26
2402-DR461	

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

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

<b>Product name</b>	FUL-THANE F/P UPS BROWN
<b>Product code</b>	400-55
<b>reference number</b>	400-55
<b>Intended use of the substance/preparation</b> Coating for professional use	
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency telephone number	NZ Poisons Information Centre Ph: 0800 764 766 24-hour Emergency Number: (64)-9526 2501
Importer	Resene Paints Ltd.
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2013-08-28

## 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
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
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	Highly flammable liquid and vapour. Causes skin irritation. Causes serious eye irritation. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. Causes damage to organs. May cause damage to organs through prolonged or repeated exposure. Toxic to aquatic life. Toxic to aquatic life with long lasting effects.
Precautionary statements	Keep container tightly closed. Avoid release to the environment.



Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
Do not eat, drink or smoke when using this product.  
Ground/bond container and receiving equipment.  
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
Obtain special instructions before use.  
Take precautionary measures against static discharge.  
Use explosion-proof electrical/ventilating/lighting equipment.  
Use only non-sparking tools.  
Wash hands after handling.  
Wear protective gloves/ eye protection/ face protection.  
Collect spillage.  
IF exposed: Call a POISON CENTER or doctor/ physician.  
If eye irritation persists: 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 ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
If skin irritation occurs, seek medical advice/attention.  
Specific treatment (see supplemental first aid instructions on this label).  
Store in a well-ventilated place. Keep cool.  
Store locked up.  
Dispose of contents/container in accordance with local regulation.

**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%	✓	
142-82-5	heptane (mixture of isomers)	5 - 10%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	5 - 10%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	3 - 5%	✓	
763-69-9	ethyl 3-ethoxypropionate	3 - 5%	✓	
1330-20-7	xylene	3 - 5%	✓	
141-78-6	ethyl acetate	1 - 3%	✓	
1309-37-1	Iron oxide	1 - 3%	✓	
108-10-1	4-methylpentan-2-one	1 - 3%	✓	
108-88-3	toluene	1 - 3%	✓	
1333-86-4	carbon black	0.3 - 1.0%		
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
78-93-3	butanone	0.3 - 1.0%	✓	
95-63-6	1,2,4-trimethylbenzene	0.1 - 0.3%	✓	
108-87-2	methylcyclohexane	0.1 - 0.3%	✓	
91-20-3	Naphthalene	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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>
heptane (mixture of isomers)	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m <sup>3</sup>
	TWA	1,640 mg/m <sup>3</sup>
xylene	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>
ethyl acetate	TWA	200 ppm
	TWA	720 mg/m <sup>3</sup>
Iron oxide	TWA	5 mg/m <sup>3</sup>
4-methylpentan-2-one	TWA	50 ppm
	STEL	75 ppm
	STEL	307 mg/m <sup>3</sup>
	TWA	205 mg/m <sup>3</sup>
toluene	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
carbon black	TWA	3 mg/m <sup>3</sup>



Chemical Name		
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m3
	TWA	434 mg/m3
butanone	TWA	150 ppm
	STEL	300 ppm
	STEL	890 mg/m3
	TWA	445 mg/m3
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m3
methylcyclohexane	TWA	400 ppm
	TWA	1,610 mg/m3
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m3
	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
ethyl acetate	Nitrile rubber	0.33 mm	10 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: brown    Odour: Characteristic Paint Odor    Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	91 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.2 %	
Lower explosion limit	0.9 %	
Vapour pressure	12.7 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.97 g/cm <sup>3</sup>	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 hazardous

% of unknown composition 0 %

**Skin corrosion/irritation**

n-butyl acetate	Category 3
heptane (mixture of isomers)	Category 2
low boiling point naphtha (<0,1% benzene)	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
ethyl 3-ethoxypropionate	Category 3
xylene	Category 2
ethyl acetate	Category 3
Iron oxide	Category 2
4-methylpentan-2-one	Category 3
toluene	Category 2
ethylbenzene	Category 3
butanone	Category 3
1,2,4-trimethylbenzene	Category 2
methylcyclohexane	Category 2
Naphthalene	Category 3

**Serious eye damage/eye irritation**

heptane (mixture of isomers)	Category 2A
low boiling point naphtha (<0,1% benzene)	Category 2A
xylene	Category 2
ethyl acetate	Category 2
Iron oxide	Category 1
4-methylpentan-2-one	Category 2
toluene	Category 2B
ethylbenzene	Category 2B
butanone	Category 2
1,2,4-trimethylbenzene	Category 2
Naphthalene	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**

Naphthalene Category 2

**Toxicity for reproduction**

toluene Category 2

**Target Organ Systemic Toxicant - Single exposure**• **Skin Absorption****Narcotic effects** toluene• **Inhalation****Respiratory system** 1,2,4-trimethylbenzene**Central nervous system** low boiling point naphtha (<0,1% benzene), 1,2,4-trimethylbenzene**reproductive organs** ethyl acetate, heptane (mixture of isomers)**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 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
heptane (mixture of isomers)	Category 1
ethyl 3-ethoxypropionate	Category 3
xylene	Category 3
Iron oxide	Category 3
toluene	Category 2
ethylbenzene	Category 2
1,2,4-trimethylbenzene	Category 2
methylcyclohexane	Category 2
Naphthalene	Category 1

**Chronic aquatic toxicity**

heptane (mixture of isomers)	Category 1
Solvent naphtha (petroleum), heavy arom.	Category 2
1,2,4-trimethylbenzene	Category 2
methylcyclohexane	Category 2
Naphthalene	Category 1

% of unknown composition 9.6%

**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: 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	HSR002669
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
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Single exposure	Category 6.9B
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: 2013-08-26  
2402-DR476

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



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

<b>Product name</b>	FUL-THAN FP BGT REG BLUE PRL
<b>Product code</b>	400-57
<b>reference number</b>	400-57
<b>Intended use of the substance/preparation</b> Coating for professional use	
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency telephone number	NZ Poisons Information Centre Ph: 0800 764 766 24-hour Emergency Number: (64)-9526 2501
Importer	Resene Paints Ltd.
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2013-08-28

## 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
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
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

Highly flammable liquid and vapour.  
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.  
Causes damage to organs.  
May cause damage to organs through prolonged or repeated exposure.  
Harmful to aquatic life.  
Harmful to aquatic life with long lasting effects.



Precautionary statements	Contaminated work clothing should not be allowed out of the workplace. Keep container tightly closed. Avoid release to the environment. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Do not eat, drink or smoke when using this product. Ground/bond container and receiving equipment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Take precautionary measures against static discharge. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Wash hands after handling. Wear protective gloves/ eye protection/ face protection. IF exposed: Call a POISON CENTER or doctor/ physician. If eye irritation persists: 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 ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. If skin irritation or rash occurs: Get medical advice/ attention. Specific treatment (see supplemental first aid instructions on this label). Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local regulation.
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**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 ardous	Haz-
123-86-4	n-butyl acetate	10 - 20%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	5 - 10%	✓	
108-88-3	toluene	5 - 10%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	5 - 10%	✓	
763-69-9	ethyl 3-ethoxypropionate	3 - 5%	✓	
1330-20-7	xylene	3 - 5%	✓	
7429-90-5	aluminium powder (stabilized)	1 - 3%	✓	
141-78-6	ethyl acetate	1 - 3%	✓	
112-07-2	2-butoxyethyl acetate	1 - 3%	✓	
142-82-5	heptane (mixture of isomers)	1 - 3%	✓	
108-10-1	4-methylpentan-2-one	1 - 3%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
78-93-3	butanone	0.3 - 1.0%	✓	
12001-26-2	Mica	0.3 - 1.0%		
91-20-3	Naphthalene	0.3 - 1.0%	✓	
8052-41-3	stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	0.3 - 1.0%	✓	
13463-67-7	Titanium dioxide	0.3 - 1.0%	✓	



CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
95-63-6	1,2,4-trimethylbenzene	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%	✓	
111-76-2	2-butoxyethanol	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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>
toluene	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
xylene	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>



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Chemical Name		
aluminium powder (stabilized)	TWA	5 mg/m3
ethyl acetate	TWA	200 ppm
	TWA	720 mg/m3
heptane (mixture of isomers)	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m3
	TWA	1,640 mg/m3
4-methylpentan-2-one	TWA	50 ppm
	STEL	75 ppm
	STEL	307 mg/m3
	TWA	205 mg/m3
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m3
	TWA	434 mg/m3
butanone	TWA	150 ppm
	STEL	300 ppm
	STEL	890 mg/m3
	TWA	445 mg/m3
Mica	TWA	3 mg/m3
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m3
	TWA	52 mg/m3
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	TWA	100 ppm
	TWA	525 mg/m3
Titanium dioxide	TWA	10 mg/m3
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m3
cumene	TWA	25 ppm
	STEL	75 ppm
	STEL	375 mg/m3
	TWA	125 mg/m3
2-butoxyethanol	TWA	25 ppm
	TWA	121 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
ethyl acetate	Nitrile rubber	0.33 mm	10 min
	Viton (R) ®	0.7 mm	480 min
butanone	Viton (R) ®	0.7 mm	10 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: blue    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	10.2 %	
Lower explosion limit	0.8 %	
Vapour pressure	10.3 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.99 g/cm <sup>3</sup>	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**

n-butyl acetate	Category 3
Solvent naphtha (petroleum), heavy arom.	Category 2
toluene	Category 2
low boiling point naphtha (<0,1% benzene)	Category 2
ethyl 3-ethoxypropionate	Category 3
xylene	Category 2
ethyl acetate	Category 3
2-butoxyethyl acetate	Category 3
heptane (mixture of isomers)	Category 2
4-methylpentan-2-one	Category 3
ethylbenzene	Category 3
butanone	Category 3
Naphthalene	Category 3
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
2-butoxyethanol	Category 2

**Serious eye damage/eye irritation**

toluene	Category 2B
low boiling point naphtha (<0,1% benzene)	Category 2A
xylene	Category 2
ethyl acetate	Category 2
2-butoxyethyl acetate	Category 2A
heptane (mixture of isomers)	Category 2A
4-methylpentan-2-one	Category 2
ethylbenzene	Category 2B
butanone	Category 2
Naphthalene	Category 2A
1,2,4-trimethylbenzene	Category 2
2-butoxyethanol	Category 2

**Respiratory sensitisation**

Not classified according to GHS criteria

**Skin sensitisation**

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

**Germ cell mutagenicity**

Not classified according to GHS criteria

**Carcinogenicity**

Naphthalene Category 2

**Toxicity for reproduction**

toluene Category 2

**Target Organ Systemic Toxicant - Single exposure****• Skin Absorption****Narcotic effects** toluene**• Inhalation****Respiratory system** 1,2,4-trimethylbenzene, cumene**Central nervous system** low boiling point naphtha (<0,1% benzene), 1,2,4-trimethylbenzene**reproductive organs** ethyl acetate, heptane (mixture of isomers)



**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.

**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
ethyl 3-ethoxypropionate	Category 3
xylene	Category 3
2-butoxyethyl acetate	Category 3
heptane (mixture of isomers)	Category 1
ethylbenzene	Category 2
Naphthalene	Category 1
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 1
Titanium dioxide	Category 3
1,2,4-trimethylbenzene	Category 2
cumene	Category 2
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1

**Chronic aquatic toxicity**

Solvent naphtha (petroleum), heavy arom.	Category 2
aluminium powder (stabilized)	Category 4
heptane (mixture of isomers)	Category 1
Naphthalene	Category 1
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 1
1,2,4-trimethylbenzene	Category 2
cumene	Category 2
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	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: 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 [Solvent naphtha (petroleum), heavy arom.]

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	
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 - Single exposure	Category 6.9B
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: 2013-08-26  
2403-DR467

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

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

<b>Product name</b>	FUL-THANE FP ROYAL BLUE PEARL
<b>Product code</b>	400-58
<b>reference number</b>	400-58
<b>Intended use of the substance/preparation</b> Coating for professional use	
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency telephone number	NZ Poisons Information Centre Ph: 0800 764 766 24-hour Emergency Number: (64)-9526 2501
Importer	Resene Paints Ltd.
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2013-08-28

## 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
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
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

Highly flammable liquid and vapour.  
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.  
Causes damage to organs.  
May cause damage to organs through prolonged or repeated exposure.  
Toxic to aquatic life.  
Toxic to aquatic life with long lasting effects.



Precautionary statements	Contaminated work clothing should not be allowed out of the workplace. Keep container tightly closed. Avoid release to the environment. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Do not eat, drink or smoke when using this product. Ground/bond container and receiving equipment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Take precautionary measures against static discharge. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Wash hands after handling. Wear protective gloves/ eye protection/ face protection. Collect spillage. IF exposed: Call a POISON CENTER or doctor/ physician. If eye irritation persists: 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 ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. If skin irritation or rash occurs: Get medical advice/ attention. Specific treatment (see supplemental first aid instructions on this label). Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local regulation.
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**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%	✓	
108-88-3	toluene	5 - 10%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	5 - 10%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	3 - 5%	✓	
763-69-9	ethyl 3-ethoxypropionate	3 - 5%	✓	
142-82-5	heptane (mixture of isomers)	3 - 5%	✓	
1330-20-7	xylene	3 - 5%	✓	
141-78-6	ethyl acetate	1 - 3%	✓	
100-41-4	ethylbenzene	1 - 3%	✓	
112-07-2	2-butoxyethyl acetate	1 - 3%	✓	
108-10-1	4-methylpentan-2-one	1 - 3%	✓	
78-93-3	butanone	0.3 - 1.0%	✓	
95-63-6	1,2,4-trimethylbenzene	0.1 - 0.3%	✓	
7429-90-5	aluminium powder (stabilized)	0.1 - 0.3%	✓	
555-32-8	Aluminum benzoate	0.1 - 0.3%		
1333-86-4	carbon black	0.1 - 0.3%		



CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
82919-37-7	methyl 1,2,2,6,6-pentamethyl-4-piperidyl se- bacate	0.1 - 0.3%	✓	
12001-26-2	Mica	0.1 - 0.3%		
91-20-3	Naphthalene	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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>
toluene	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
heptane (mixture of isomers)	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m <sup>3</sup>
	TWA	1,640 mg/m <sup>3</sup>
xylene	TWA	50 ppm



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**Chemical Name**

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	TWA	217 mg/m3
ethyl acetate	TWA	200 ppm
	TWA	720 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
butanone	TWA	150 ppm
	STEL	300 ppm
	STEL	890 mg/m3
	TWA	445 mg/m3
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m3
aluminium powder (stabilized)	TWA	5 mg/m3
Aluminum benzoate	TWA	2 mg/m3
carbon black	TWA	3 mg/m3
Mica	TWA	3 mg/m3
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m3
	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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	0.7 mm	480 min
ethyl acetate	Nitrile rubber	0.33 mm	10 min
	Viton (R) <sup>®</sup>	0.7 mm	480 min
butanone	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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	109 °C
Flash point	10 °C
Evaporation rate	Slower than Ether
Flammability	
Upper explosion limit	10.2 %
Lower explosion limit	0.9 %
Vapour pressure	11.3 hPa
Solubility(ies)	moderate
Vapour density	no data available
Density	0.97 g/cm <sup>3</sup> 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**

n-butyl acetate	Category 3
toluene	Category 2
low boiling point naphtha (<0,1% benzene)	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
ethyl 3-ethoxypropionate	Category 3
heptane (mixture of isomers)	Category 2
xylene	Category 2
ethyl acetate	Category 3
ethylbenzene	Category 3
2-butoxyethyl acetate	Category 3
4-methylpentan-2-one	Category 3
butanone	Category 3
1,2,4-trimethylbenzene	Category 2
Naphthalene	Category 3

**Serious eye damage/eye irritation**

toluene	Category 2B
low boiling point naphtha (<0,1% benzene)	Category 2A



heptane (mixture of isomers)	Category 2A
xylene	Category 2
ethyl acetate	Category 2
ethylbenzene	Category 2B
2-butoxyethyl acetate	Category 2A
4-methylpentan-2-one	Category 2
butanone	Category 2
1,2,4-trimethylbenzene	Category 2
Naphthalene	Category 2A

**Respiratory sensitisation**

Not classified according to GHS criteria

**Skin sensitisation**

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

**Germ cell mutagenicity**

Not classified according to GHS criteria

**Carcinogenicity**

Naphthalene Category 2

**Toxicity for reproduction**

toluene Category 2

**Target Organ Systemic Toxicant - Single exposure**• **Skin Absorption****Narcotic effects** toluene• **Inhalation****Respiratory system** 1,2,4-trimethylbenzene**Central nervous system** low boiling point naphtha (<0,1% benzene), 1,2,4-trimethylbenzene**reproductive organs** ethyl acetate, heptane (mixture of isomers)**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.

## 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
ethyl 3-ethoxypropionate	Category 3
heptane (mixture of isomers)	Category 1
xylene	Category 3
ethylbenzene	Category 2
2-butoxyethyl acetate	Category 3
1,2,4-trimethylbenzene	Category 2
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1
Naphthalene	Category 1

**Chronic aquatic toxicity**

Solvent naphtha (petroleum), heavy arom.	Category 2
heptane (mixture of isomers)	Category 1
1,2,4-trimethylbenzene	Category 2
aluminium powder (stabilized)	Category 4
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1
Naphthalene	Category 1

% of unknown composition 8.8%

**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: 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	HSR002669
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
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Single exposure	Category 6.9B
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: 2013-08-26  
1250001658

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

<b>Product name</b>	FUL-THANE FP MAPLE MAROON PRL
<b>Product code</b>	400-60
<b>reference number</b>	400-60
<b>Intended use of the substance/preparation</b> Coating for professional use	
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency telephone number	NZ Poisons Information Centre Ph: 0800 764 766 24-hour Emergency Number: (64)-9526 2501
Importer	Resene Paints Ltd.
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2013-08-28

## 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
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
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  
Highly flammable liquid and vapour.  
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.  
Causes damage to organs.  
May cause damage to organs through prolonged or repeated exposure.  
Toxic to aquatic life.  
Toxic to aquatic life with long lasting effects.



Precautionary statements	Contaminated work clothing should not be allowed out of the workplace. Keep container tightly closed. Avoid release to the environment. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Do not eat, drink or smoke when using this product. Ground/bond container and receiving equipment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Take precautionary measures against static discharge. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Wash hands after handling. Wear protective gloves/ eye protection/ face protection. Collect spillage. IF exposed: Call a POISON CENTER or doctor/ physician. If eye irritation persists: 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 ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. If skin irritation or rash occurs: Get medical advice/ attention. Specific treatment (see supplemental first aid instructions on this label). Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local regulation.
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**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%	✓	
108-88-3	toluene	5 - 10%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	5 - 10%	✓	
763-69-9	ethyl 3-ethoxypropionate	3 - 5%	✓	
142-82-5	heptane (mixture of isomers)	3 - 5%	✓	
1330-20-7	xylene	3 - 5%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	1 - 3%	✓	
141-78-6	ethyl acetate	1 - 3%	✓	
100-41-4	ethylbenzene	1 - 3%	✓	
112-07-2	2-butoxyethyl acetate	1 - 3%	✓	
108-10-1	4-methylpentan-2-one	1 - 3%	✓	
78-93-3	butanone	0.3 - 1.0%	✓	
1333-86-4	carbon black	0.1 - 0.3%		
82919-37-7	methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	0.1 - 0.3%	✓	
12001-26-2	Mica	0.1 - 0.3%		
91-20-3	Naphthalene	0.1 - 0.3%	✓	



CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
13463-67-7	Titanium dioxide	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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>
toluene	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
	TWA	400 ppm
heptane (mixture of isomers)	STEL	500 ppm
	STEL	2,050 mg/m <sup>3</sup>
	TWA	1,640 mg/m <sup>3</sup>
	TWA	50 ppm
xylene	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>



Chemical Name		
ethyl acetate	TWA	200 ppm
	TWA	720 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
butanone	TWA	150 ppm
	STEL	300 ppm
	STEL	890 mg/m3
	TWA	445 mg/m3
carbon black	TWA	3 mg/m3
Mica	TWA	3 mg/m3
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m3
	TWA	52 mg/m3
Titanium dioxide	TWA	10 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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 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
ethyl acetate	Nitrile rubber	0.33 mm	10 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	109 °C	
Flash point	10 °C	
Evapouration rate	Slower than Ether	
Flammability		
Upper explosion limit	10.2 %	
Lower explosion limit	0.9 %	
Vapour pressure	12.1 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.97 g/cm <sup>3</sup>	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**

n-butyl acetate	Category 3
toluene	Category 2
low boiling point naphtha (<0,1% benzene)	Category 2
ethyl 3-ethoxypropionate	Category 3
heptane (mixture of isomers)	Category 2
xylene	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
ethyl acetate	Category 3
ethylbenzene	Category 3
2-butoxyethyl acetate	Category 3
4-methylpentan-2-one	Category 3
butanone	Category 3
Naphthalene	Category 3

**Serious eye damage/eye irritation**

toluene	Category 2B
low boiling point naphtha (<0,1% benzene)	Category 2A
heptane (mixture of isomers)	Category 2A
xylene	Category 2
ethyl acetate	Category 2
ethylbenzene	Category 2B
2-butoxyethyl acetate	Category 2A
4-methylpentan-2-one	Category 2
butanone	Category 2
Naphthalene	Category 2A

**Respiratory sensitisation**

Not classified according to GHS criteria

**Skin sensitisation**

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

**Germ cell mutagenicity**

Not classified according to GHS criteria

**Carcinogenicity**

Naphthalene Category 2

**Toxicity for reproduction**

toluene Category 2

**Target Organ Systemic Toxicant - Single exposure**• **Skin Absorption****Narcotic effects** toluene• **Inhalation****Central nervous system** low boiling point naphtha (<0,1% benzene)**reproductive organs** ethyl acetate, heptane (mixture of isomers)**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
ethyl 3-ethoxypropionate	Category 3
heptane (mixture of isomers)	Category 1
xylene	Category 3
ethylbenzene	Category 2
2-butoxyethyl acetate	Category 3
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1
Naphthalene	Category 1
Titanium dioxide	Category 3

**Chronic aquatic toxicity**

heptane (mixture of isomers)	Category 1
Solvent naphtha (petroleum), heavy arom.	Category 2
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1
Naphthalene	Category 1

% of unknown composition 10.3%

**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: 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	HSR002669
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
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Single exposure	Category 6.9B
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:	2013-08-26
1250001582	

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

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

<b>Product name</b>	FUL-THANE 2K FP DARK RED PRL
<b>Product code</b>	400-61
<b>reference number</b>	400-61
<b>Intended use of the substance/preparation</b> Coating for professional use	
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency telephone number	NZ Poisons Information Centre Ph: 0800 764 766 24-hour Emergency Number: (64)-9526 2501
Importer	Resene Paints Ltd.
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2013-08-28

## 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 - 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

Highly 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.  
May cause damage to organs through prolonged or repeated exposure.  
Toxic to aquatic life.  
Toxic to aquatic life with long lasting effects.

Precautionary statements

Contaminated work clothing should not be allowed out of the workplace.  
Keep container tightly closed.





Avoid release to the environment.  
Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
Do not eat, drink or smoke when using this product.  
Ground/bond container and receiving equipment.  
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
Obtain special instructions before use.  
Take precautionary measures against static discharge.  
Use explosion-proof electrical/ventilating/lighting equipment.  
Use only non-sparking tools.  
Wash hands after handling.  
Wear protective gloves/ eye protection/ face protection.  
Collect spillage.  
IF exposed: Call a POISON CENTER or doctor/ physician.  
If eye irritation persists: 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 ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
If skin irritation or rash occurs: Get medical advice/ attention.  
Specific treatment (see supplemental first aid instructions on this label).  
Store in a well-ventilated place. Keep cool.  
Store locked up.  
Dispose of contents/container in accordance with local regulation.

**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	Haz- ardous
123-86-4	n-butyl acetate	10 - 20%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	5 - 10%	✓	
1330-20-7	xylene	5 - 10%	✓	
142-82-5	heptane (mixture of isomers)	3 - 5%	✓	
108-88-3	toluene	3 - 5%	✓	
763-69-9	ethyl 3-ethoxypropionate	1 - 3%	✓	
141-78-6	ethyl acetate	1 - 3%	✓	
100-41-4	ethylbenzene	1 - 3%	✓	
112-07-2	2-butoxyethyl acetate	1 - 3%	✓	
108-10-1	4-methylpentan-2-one	1 - 3%	✓	
7429-90-5	aluminium powder (stabilized)	0.3 - 1.0%	✓	
78-93-3	butanone	0.3 - 1.0%	✓	
12001-26-2	Mica	0.3 - 1.0%		
7727-43-7	barium sulphate, natural	0.1 - 0.3%		
108-87-2	methylcyclohexane	0.1 - 0.3%	✓	
80-62-6	methyl methacrylate	0.1 - 0.3%	✓	
628-63-7	pentyl acetate	0.1 - 0.3%	✓	
13463-67-7	Titanium dioxide	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 (CO<sub>2</sub>), 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 <sup>3</sup>
xylene	TWA	713 mg/m <sup>3</sup>
	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>
heptane (mixture of isomers)	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m <sup>3</sup>
toluene	TWA	1,640 mg/m <sup>3</sup>
	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
ethyl acetate	TWA	200 ppm
	TWA	720 mg/m <sup>3</sup>
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m <sup>3</sup>



## Chemical Name

	TWA	434 mg/m3
4-methylpentan-2-one	TWA	50 ppm
	STEL	75 ppm
	STEL	307 mg/m3
	TWA	205 mg/m3
aluminium powder (stabilized)	TWA	5 mg/m3
butanone	TWA	150 ppm
	STEL	300 ppm
	STEL	890 mg/m3
	TWA	445 mg/m3
Mica	TWA	3 mg/m3
barium sulphate, natural	TWA	10 mg/m3
methylcyclohexane	TWA	400 ppm
	TWA	1,610 mg/m3
methyl methacrylate	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m3
	TWA	208 mg/m3
pentyl acetate	TWA	100 ppm
	TWA	532 mg/m3
Titanium dioxide	TWA	10 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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min



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
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	91 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.2 %	
Lower explosion limit	0.9 %	
Vapour pressure	11.3 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.98 g/cm <sup>3</sup>	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**

n-butyl acetate	Category 3
low boiling point naphtha (<0,1% benzene)	Category 2
xylene	Category 2
heptane (mixture of isomers)	Category 2
toluene	Category 2
ethyl 3-ethoxypropionate	Category 3
ethyl acetate	Category 3
ethylbenzene	Category 3
2-butoxyethyl acetate	Category 3
4-methylpentan-2-one	Category 3
butanone	Category 3
methylcyclohexane	Category 2
methyl methacrylate	Category 2
pentyl acetate	Category 3

**Serious eye damage/eye irritation**

low boiling point naphtha (<0,1% benzene)	Category 2A
xylene	Category 2
heptane (mixture of isomers)	Category 2A
toluene	Category 2B
ethyl acetate	Category 2
ethylbenzene	Category 2B
2-butoxyethyl acetate	Category 2A
4-methylpentan-2-one	Category 2
butanone	Category 2
pentyl acetate	Category 2A

**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**

toluene Category 2

methyl methacrylate Category 2

**Target Organ Systemic Toxicant - Single exposure**• **Skin Absorption****Narcotic effects** toluene• **Inhalation****Respiratory system** methyl methacrylate**Central nervous system** low boiling point naphtha (<0,1% benzene)**reproductive organs** ethyl acetate, heptane (mixture of isomers)**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
xylene	Category 3
heptane (mixture of isomers)	Category 1
toluene	Category 2
ethyl 3-ethoxypropionate	Category 3
ethylbenzene	Category 2
2-butoxyethyl acetate	Category 3
methylcyclohexane	Category 2
methyl methacrylate	Category 3
Titanium dioxide	Category 3

**Chronic aquatic toxicity**

heptane (mixture of isomers)	Category 1
aluminium powder (stabilized)	Category 4
methylcyclohexane	Category 2
pentyl acetate	Category 4

% of unknown composition 9.5%

**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: 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 6.4A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Single exposure	Category 6.9B
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:	2013-08-26
1250001661	

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

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

<b>Product name</b>	FUL-THANE 2K FP BLACK PEARL
<b>Product code</b>	400-63
<b>reference number</b>	400-63
<b>Intended use of the substance/preparation</b> Coating for professional use	
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency telephone number	NZ Poisons Information Centre Ph: 0800 764 766 24-hour Emergency Number: (64)-9526 2501
Importer	Resene Paints Ltd.
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2013-08-28

## 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
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
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

Highly flammable liquid and vapour.  
Causes skin irritation.  
Causes serious eye irritation.  
Suspected of causing cancer.  
Suspected of damaging fertility or the unborn child.  
Causes damage to organs.  
May cause damage to organs through prolonged or repeated exposure.  
Harmful to aquatic life.  
Harmful to aquatic life with long lasting effects.

Precautionary statements

Keep container tightly closed.  
Avoid release to the environment.



Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
Do not eat, drink or smoke when using this product.  
Ground/bond container and receiving equipment.  
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
Obtain special instructions before use.  
Take precautionary measures against static discharge.  
Use explosion-proof electrical/ventilating/lighting equipment.  
Use only non-sparking tools.  
Wash hands after handling.  
Wear protective gloves/ eye protection/ face protection.  
IF exposed: Call a POISON CENTER or doctor/ physician.  
If eye irritation persists: 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 ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
If skin irritation occurs, seek medical advice/attention.  
Specific treatment (see supplemental first aid instructions on this label).  
Store in a well-ventilated place. Keep cool.  
Store locked up.  
Dispose of contents/container in accordance with local regulation.

**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%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	5 - 10%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	3 - 5%	✓	
763-69-9	ethyl 3-ethoxypropionate	3 - 5%	✓	
1330-20-7	xylene	3 - 5%	✓	
1333-86-4	carbon black	1 - 3%		
141-78-6	ethyl acetate	1 - 3%	✓	
112-07-2	2-butoxyethyl acetate	1 - 3%	✓	
142-82-5	heptane (mixture of isomers)	1 - 3%	✓	
108-10-1	4-methylpentan-2-one	1 - 3%	✓	
108-88-3	toluene	1 - 3%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
78-93-3	butanone	0.3 - 1.0%	✓	
12001-26-2	Mica	0.3 - 1.0%		
95-63-6	1,2,4-trimethylbenzene	0.1 - 0.3%	✓	
1317-65-3	Limestone (calcium carbonate)	0.1 - 0.3%		
91-20-3	Naphthalene	0.1 - 0.3%	✓	
13463-67-7	Titanium dioxide	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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>
xylene	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>
carbon black	TWA	3 mg/m <sup>3</sup>
	TWA	200 ppm
ethyl acetate	TWA	720 mg/m <sup>3</sup>
	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m <sup>3</sup>
heptane (mixture of isomers)	TWA	1,640 mg/m <sup>3</sup>
	TWA	50 ppm
	STEL	75 ppm
4-methylpentan-2-one	STEL	307 mg/m <sup>3</sup>
	TWA	205 mg/m <sup>3</sup>
	TWA	50 ppm
toluene	TWA	188 mg/m <sup>3</sup>
	TWA	100 ppm
ethylbenzene	TWA	100 ppm



Chemical Name		
	STEL	125 ppm
	STEL	543 mg/m3
	TWA	434 mg/m3
butanone	TWA	150 ppm
	STEL	300 ppm
	STEL	890 mg/m3
	TWA	445 mg/m3
Mica	TWA	3 mg/m3
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m3
Limestone (calcium carbonate)	TWA	10 mg/m3
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m3
	TWA	52 mg/m3
Titanium dioxide	TWA	10 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
ethyl acetate	Nitrile rubber	0.33 mm	10 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: black    Odour: Characteristic Paint Odor    Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	116 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.2 %	
Lower explosion limit	0.9 %	
Vapour pressure	10.1 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.98 g/cm <sup>3</sup>	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**

n-butyl acetate	Category 3
low boiling point naphtha (<0,1% benzene)	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
ethyl 3-ethoxypropionate	Category 3
xylene	Category 2
ethyl acetate	Category 3
2-butoxyethyl acetate	Category 3
heptane (mixture of isomers)	Category 2
4-methylpentan-2-one	Category 3
toluene	Category 2
ethylbenzene	Category 3
butanone	Category 3
1,2,4-trimethylbenzene	Category 2
Naphthalene	Category 3

**Serious eye damage/eye irritation**

low boiling point naphtha (<0,1% benzene)	Category 2A
xylene	Category 2
ethyl acetate	Category 2
2-butoxyethyl acetate	Category 2A
heptane (mixture of isomers)	Category 2A
4-methylpentan-2-one	Category 2
toluene	Category 2B
ethylbenzene	Category 2B
butanone	Category 2
1,2,4-trimethylbenzene	Category 2
Naphthalene	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**

Naphthalene Category 2

**Toxicity for reproduction**

toluene Category 2

**Target Organ Systemic Toxicant - Single exposure**• **Skin Absorption****Narcotic effects** toluene• **Inhalation****Respiratory system** 1,2,4-trimethylbenzene**Central nervous system** low boiling point naphtha (<0,1% benzene), 1,2,4-trimethylbenzene**reproductive organs** ethyl acetate, heptane (mixture of isomers)**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 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
ethyl 3-ethoxypropionate	Category 3
xylene	Category 3
2-butoxyethyl acetate	Category 3
heptane (mixture of isomers)	Category 1
toluene	Category 2
ethylbenzene	Category 2
1,2,4-trimethylbenzene	Category 2
Naphthalene	Category 1
Titanium dioxide	Category 3

**Chronic aquatic toxicity**

Solvent naphtha (petroleum), heavy arom.	Category 2
heptane (mixture of isomers)	Category 1
1,2,4-trimethylbenzene	Category 2
Naphthalene	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: 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 [Solvent naphtha (petroleum), heavy arom.]  
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	
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Single exposure	Category 6.9B
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:	2013-08-26
1250001662	

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

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

<b>Product name</b>	FUL-THANE 2K FP GUNMETAL PRL
<b>Product code</b>	400-64
<b>reference number</b>	400-64
<b>Intended use of the substance/preparation</b> Coating for professional use	
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency telephone number	NZ Poisons Information Centre Ph: 0800 764 766 24-hour Emergency Number: (64)-9526 2501
Importer	Resene Paints Ltd.
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2013-08-28

## 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
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
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

Highly flammable liquid and vapour.  
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.  
Causes damage to organs.  
May cause damage to organs through prolonged or repeated exposure.  
Toxic to aquatic life.  
Toxic to aquatic life with long lasting effects.



Precautionary statements	Contaminated work clothing should not be allowed out of the workplace. Keep container tightly closed. Avoid release to the environment. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Do not eat, drink or smoke when using this product. Ground/bond container and receiving equipment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Take precautionary measures against static discharge. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Wash hands after handling. Wear protective gloves/ eye protection/ face protection. Collect spillage. IF exposed: Call a POISON CENTER or doctor/ physician. If eye irritation persists: 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 ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. If skin irritation or rash occurs: Get medical advice/ attention. Specific treatment (see supplemental first aid instructions on this label). Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local regulation.
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**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%	✓	
108-88-3	toluene	5 - 10%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	5 - 10%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	3 - 5%	✓	
763-69-9	ethyl 3-ethoxypropionate	3 - 5%	✓	
142-82-5	heptane (mixture of isomers)	3 - 5%	✓	
1330-20-7	xylene	3 - 5%	✓	
141-78-6	ethyl acetate	1 - 3%	✓	
100-41-4	ethylbenzene	1 - 3%	✓	
112-07-2	2-butoxyethyl acetate	1 - 3%	✓	
108-10-1	4-methylpentan-2-one	1 - 3%	✓	
7429-90-5	aluminium powder (stabilized)	0.3 - 1.0%	✓	
78-93-3	butanone	0.3 - 1.0%	✓	
12001-26-2	Mica	0.3 - 1.0%		
95-63-6	1,2,4-trimethylbenzene	0.1 - 0.3%	✓	
1333-86-4	carbon black	0.1 - 0.3%		
108-87-2	methylcyclohexane	0.1 - 0.3%	✓	



CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
82919-37-7	methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	0.1 - 0.3%	✓	
91-20-3	Naphthalene	0.1 - 0.3%	✓	
8052-41-3	stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	0.1 - 0.3%	✓	
13463-67-7	Titanium dioxide	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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>
toluene	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
heptane (mixture of isomers)	TWA	400 ppm
	STEL	500 ppm



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Chemical Name		
	STEL	2,050 mg/m3
	TWA	1,640 mg/m3
xylene	TWA	50 ppm
	TWA	217 mg/m3
ethyl acetate	TWA	200 ppm
	TWA	720 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
aluminium powder (stabilized)	TWA	5 mg/m3
butanone	TWA	150 ppm
	STEL	300 ppm
	STEL	890 mg/m3
	TWA	445 mg/m3
Mica	TWA	3 mg/m3
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m3
carbon black	TWA	3 mg/m3
methylcyclohexane	TWA	400 ppm
	TWA	1,610 mg/m3
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m3
	TWA	52 mg/m3
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	TWA	100 ppm
	TWA	525 mg/m3
Titanium dioxide	TWA	10 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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	0.7 mm	480 min
ethyl acetate	Nitrile rubber	0.33 mm	10 min
	Viton (R) <sup>®</sup>	0.7 mm	480 min
butanone	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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	91 °C
Flash point	10 °C
Evaporation rate	Slower than Ether
Flammability	
Upper explosion limit	10.2 %
Lower explosion limit	0.9 %
Vapour pressure	11.8 hPa
Solubility(ies)	moderate
Vapour density	no data available
Density	0.97 g/cm <sup>3</sup> 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

n-butyl acetate	Category 3
toluene	Category 2
low boiling point naphtha (<0,1% benzene)	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
ethyl 3-ethoxypropionate	Category 3
heptane (mixture of isomers)	Category 2
xylene	Category 2
ethyl acetate	Category 3
ethylbenzene	Category 3
2-butoxyethyl acetate	Category 3
4-methylpentan-2-one	Category 3



butanone	Category 3
1,2,4-trimethylbenzene	Category 2
methylcyclohexane	Category 2
Naphthalene	Category 3
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 2

**Serious eye damage/eye irritation**

toluene	Category 2B
low boiling point naphtha (<0,1% benzene)	Category 2A
heptane (mixture of isomers)	Category 2A
xylene	Category 2
ethyl acetate	Category 2
ethylbenzene	Category 2B
2-butoxyethyl acetate	Category 2A
4-methylpentan-2-one	Category 2
butanone	Category 2
1,2,4-trimethylbenzene	Category 2
Naphthalene	Category 2A

**Respiratory sensitisation**

Not classified according to GHS criteria

**Skin sensitisation**

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

**Germ cell mutagenicity**

Not classified according to GHS criteria

**Carcinogenicity**

Naphthalene Category 2

**Toxicity for reproduction**

toluene Category 2

**Target Organ Systemic Toxicant - Single exposure**• **Skin Absorption****Narcotic effects** toluene• **Inhalation****Respiratory system** 1,2,4-trimethylbenzene**Central nervous system** low boiling point naphtha (<0,1% benzene), 1,2,4-trimethylbenzene**reproductive organs** ethyl acetate, heptane (mixture of isomers)**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 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
toluene	Category 2
ethyl 3-ethoxypropionate	Category 3
heptane (mixture of isomers)	Category 1
xylene	Category 3
ethylbenzene	Category 2
2-butoxyethyl acetate	Category 3
1,2,4-trimethylbenzene	Category 2
methylcyclohexane	Category 2
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1
Naphthalene	Category 1
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 1
Titanium dioxide	Category 3

**Chronic aquatic toxicity**

Solvent naphtha (petroleum), heavy arom.	Category 2
heptane (mixture of isomers)	Category 1
aluminium powder (stabilized)	Category 4
1,2,4-trimethylbenzene	Category 2
methylcyclohexane	Category 2
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1
Naphthalene	Category 1
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 1

% of unknown composition 8.5%

**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: 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	HSR002669
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
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Single exposure	Category 6.9B
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: 2013-08-26  
2403-DR474

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

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

<b>Product name</b>	FUL-THANE 2K FP DIAMOND PEARL
<b>Product code</b>	400-65
<b>reference number</b>	400-65
<b>Intended use of the substance/preparation</b> Coating for professional use	
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency telephone number	NZ Poisons Information Centre Ph: 0800 764 766 24-hour Emergency Number: (64)-9526 2501
Importer	Resene Paints Ltd.
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2013-08-28

## 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
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
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

Highly flammable liquid and vapour.  
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.  
Causes damage to organs.  
May cause damage to organs through prolonged or repeated exposure.  
Toxic to aquatic life.  
Toxic to aquatic life with long lasting effects.



Precautionary statements	Contaminated work clothing should not be allowed out of the workplace. Keep container tightly closed. Avoid release to the environment. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Do not eat, drink or smoke when using this product. Ground/bond container and receiving equipment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Take precautionary measures against static discharge. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Wash hands after handling. Wear protective gloves/ eye protection/ face protection. Collect spillage. IF exposed: Call a POISON CENTER or doctor/ physician. If eye irritation persists: 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 ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. If skin irritation or rash occurs: Get medical advice/ attention. Specific treatment (see supplemental first aid instructions on this label). Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local regulation.
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**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%	✓	
108-88-3	toluene	5 - 10%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	5 - 10%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	3 - 5%	✓	
763-69-9	ethyl 3-ethoxypropionate	3 - 5%	✓	
142-82-5	heptane (mixture of isomers)	3 - 5%	✓	
1330-20-7	xylene	3 - 5%	✓	
7429-90-5	aluminium powder (stabilized)	1 - 3%	✓	
141-78-6	ethyl acetate	1 - 3%	✓	
112-07-2	2-butoxyethyl acetate	1 - 3%	✓	
108-10-1	4-methylpentan-2-one	1 - 3%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
78-93-3	butanone	0.3 - 1.0%	✓	
12001-26-2	Mica	0.3 - 1.0%		
8052-41-3	stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	0.3 - 1.0%	✓	
13463-67-7	Titanium dioxide	0.3 - 1.0%	✓	



CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
95-63-6	1,2,4-trimethylbenzene	0.1 - 0.3%	✓	
108-87-2	methylcyclohexane	0.1 - 0.3%	✓	
82919-37-7	methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	0.1 - 0.3%	✓	
111-76-2	2-butoxyethanol	0.1 - 0.3%	✓	
91-20-3	Naphthalene	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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>
toluene	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
heptane (mixture of isomers)	TWA	400 ppm
	STEL	500 ppm



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Chemical Name		
	STEL	2,050 mg/m3
	TWA	1,640 mg/m3
xylene	TWA	50 ppm
	TWA	217 mg/m3
aluminium powder (stabilized)	TWA	5 mg/m3
ethyl acetate	TWA	200 ppm
	TWA	720 mg/m3
4-methylpentan-2-one	TWA	50 ppm
	STEL	75 ppm
	STEL	307 mg/m3
	TWA	205 mg/m3
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m3
	TWA	434 mg/m3
butanone	TWA	150 ppm
	STEL	300 ppm
	STEL	890 mg/m3
	TWA	445 mg/m3
Mica	TWA	3 mg/m3
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	TWA	100 ppm
	TWA	525 mg/m3
Titanium dioxide	TWA	10 mg/m3
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m3
methylcyclohexane	TWA	400 ppm
	TWA	1,610 mg/m3
2-butoxyethanol	TWA	25 ppm
	TWA	121 mg/m3
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m3
	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
ethyl acetate	Nitrile rubber	0.33 mm	10 min
	Viton (R) ®	0.7 mm	480 min
butanone	Viton (R) ®	0.7 mm	10 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: silver    Odour: Characteristic Paint Odor    Odor Threshold : no data available

pH	not applicable
Freezing point	Not applicable.
Boiling point	91 °C
Flash point	10 °C
Evapouration rate	Slower than Ether



Flammability		
Upper explosion limit	10.2 %	
Lower explosion limit	0.9 %	
Vapour pressure	11.9 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.98 g/cm <sup>3</sup>	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**

n-butyl acetate	Category 3
toluene	Category 2
low boiling point naphtha (<0,1% benzene)	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
ethyl 3-ethoxypropionate	Category 3
heptane (mixture of isomers)	Category 2
xylene	Category 2
ethyl acetate	Category 3
2-butoxyethyl acetate	Category 3
4-methylpentan-2-one	Category 3
ethylbenzene	Category 3
butanone	Category 3
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
methylcyclohexane	Category 2
2-butoxyethanol	Category 2
Naphthalene	Category 3

**Serious eye damage/eye irritation**

toluene	Category 2B
low boiling point naphtha (<0,1% benzene)	Category 2A
heptane (mixture of isomers)	Category 2A
xylene	Category 2
ethyl acetate	Category 2
2-butoxyethyl acetate	Category 2A
4-methylpentan-2-one	Category 2
ethylbenzene	Category 2B
butanone	Category 2
1,2,4-trimethylbenzene	Category 2
2-butoxyethanol	Category 2
Naphthalene	Category 2A

**Respiratory sensitisation**

Not classified according to GHS criteria

**Skin sensitisation**

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

**Germ cell mutagenicity**

Not classified according to GHS criteria

**Carcinogenicity**

Naphthalene Category 2

**Toxicity for reproduction**

toluene Category 2

**Target Organ Systemic Toxicant - Single exposure****• Skin Absorption**

**Narcotic effects** toluene

**• Inhalation**

**Respiratory system** 1,2,4-trimethylbenzene

**Central nervous system** low boiling point naphtha (<0,1% benzene), 1,2,4-trimethylbenzene

**reproductive organs** ethyl acetate, heptane (mixture of isomers)

**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.

**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
ethyl 3-ethoxypropionate	Category 3
heptane (mixture of isomers)	Category 1
xylene	Category 3
2-butoxyethyl acetate	Category 3
ethylbenzene	Category 2
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 1
Titanium dioxide	Category 3
1,2,4-trimethylbenzene	Category 2
methylcyclohexane	Category 2
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1
Naphthalene	Category 1

**Chronic aquatic toxicity**

Solvent naphtha (petroleum), heavy arom.	Category 2
heptane (mixture of isomers)	Category 1
aluminium powder (stabilized)	Category 4
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 1
1,2,4-trimethylbenzene	Category 2
methylcyclohexane	Category 2
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1
Naphthalene	Category 1

% of unknown composition 9.2%

**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: 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	HSR002669
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
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Single exposure	Category 6.9B
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: 2013-08-26  
1250001664

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



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

<b>Product name</b>	SEA BREEZE AQUA METALLIC
<b>Product code</b>	400-70
<b>reference number</b>	400-70
<b>Intended use of the substance/preparation</b> Coating for professional use	
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency telephone number	NZ Poisons Information Centre Ph: 0800 764 766 24-hour Emergency Number: (64)-9526 2501
Importer	Resene Paints Ltd.
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2013-08-28

## 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
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
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

Highly flammable liquid and vapour.  
Causes skin irritation.  
Causes serious eye irritation.  
Suspected of causing cancer.  
Suspected of damaging fertility or the unborn child.  
Causes damage to organs.  
May cause damage to organs through prolonged or repeated exposure.  
Toxic to aquatic life.  
Toxic to aquatic life with long lasting effects.

Precautionary statements

Keep container tightly closed.  
Avoid release to the environment.



Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
Do not eat, drink or smoke when using this product.  
Ground/bond container and receiving equipment.  
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
Obtain special instructions before use.  
Take precautionary measures against static discharge.  
Use explosion-proof electrical/ventilating/lighting equipment.  
Use only non-sparking tools.  
Wash hands after handling.  
Wear protective gloves/ eye protection/ face protection.  
Collect spillage.  
IF exposed: Call a POISON CENTER or doctor/ physician.  
If eye irritation persists: 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 ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
If skin irritation occurs, seek medical advice/attention.  
Specific treatment (see supplemental first aid instructions on this label).  
Store in a well-ventilated place. Keep cool.  
Store locked up.  
Dispose of contents/container in accordance with local regulation.

**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 ardous	Haz-
123-86-4	n-butyl acetate	10 - 20%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	5 - 10%	✓	
108-88-3	toluene	5 - 10%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	5 - 10%	✓	
763-69-9	ethyl 3-ethoxypropionate	3 - 5%	✓	
1330-20-7	xylene	3 - 5%	✓	
7429-90-5	aluminium powder (stabilized)	1 - 3%	✓	
141-78-6	ethyl acetate	1 - 3%	✓	
142-82-5	heptane (mixture of isomers)	1 - 3%	✓	
108-10-1	4-methylpentan-2-one	1 - 3%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
112-07-2	2-butoxyethyl acetate	0.3 - 1.0%	✓	
78-93-3	butanone	0.3 - 1.0%	✓	
91-20-3	Naphthalene	0.3 - 1.0%	✓	
95-63-6	1,2,4-trimethylbenzene	0.1 - 0.3%	✓	
98-82-8	cumene	0.1 - 0.3%	✓	
8052-41-3	stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	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 (CO<sub>2</sub>), 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

Persons with a history of skin 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 <sup>3</sup>
toluene	TWA	713 mg/m <sup>3</sup>
	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
xylene	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>
	TWA	5 mg/m <sup>3</sup>
aluminium powder (stabilized)	TWA	200 ppm
	TWA	720 mg/m <sup>3</sup>
	TWA	400 ppm
heptane (mixture of isomers)	STEL	500 ppm
	STEL	2,050 mg/m <sup>3</sup>
	TWA	1,640 mg/m <sup>3</sup>
	TWA	50 ppm
4-methylpentan-2-one	STEL	75 ppm
	STEL	307 mg/m <sup>3</sup>
	TWA	205 mg/m <sup>3</sup>



## Chemical Name

ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m <sup>3</sup>
	TWA	434 mg/m <sup>3</sup>
butanone	TWA	150 ppm
	STEL	300 ppm
	STEL	890 mg/m <sup>3</sup>
	TWA	445 mg/m <sup>3</sup>
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m <sup>3</sup>
	TWA	52 mg/m <sup>3</sup>
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m <sup>3</sup>
cumene	TWA	25 ppm
	STEL	75 ppm
	STEL	375 mg/m <sup>3</sup>
	TWA	125 mg/m <sup>3</sup>
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	TWA	100 ppm
	TWA	525 mg/m <sup>3</sup>

**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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 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
ethyl acetate	Nitrile rubber	0.33 mm	10 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	116 °C	
Flash point	10 °C	
Evapouration rate	Slower than Ether	
Flammability		
Upper explosion limit	10.2 %	
Lower explosion limit	0.8 %	
Vapour pressure	10.5 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.98 g/cm <sup>3</sup>	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 hazardous

% of unknown composition 0 %

**Skin corrosion/irritation**

n-butyl acetate	Category 3
Solvent naphtha (petroleum), heavy arom.	Category 2
toluene	Category 2
low boiling point naphtha (<0,1% benzene)	Category 2
ethyl 3-ethoxypropionate	Category 3
xylene	Category 2
ethyl acetate	Category 3
heptane (mixture of isomers)	Category 2
4-methylpentan-2-one	Category 3
ethylbenzene	Category 3
2-butoxyethyl acetate	Category 3
butanone	Category 3
Naphthalene	Category 3
1,2,4-trimethylbenzene	Category 2
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 2

**Serious eye damage/eye irritation**

toluene	Category 2B
low boiling point naphtha (<0,1% benzene)	Category 2A
xylene	Category 2
ethyl acetate	Category 2
heptane (mixture of isomers)	Category 2A
4-methylpentan-2-one	Category 2
ethylbenzene	Category 2B
2-butoxyethyl acetate	Category 2A
butanone	Category 2
Naphthalene	Category 2A
1,2,4-trimethylbenzene	Category 2

**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**

Naphthalene Category 2

**Toxicity for reproduction**

toluene Category 2

**Target Organ Systemic Toxicant - Single exposure**• **Skin Absorption****Narcotic effects** toluene• **Inhalation****Respiratory system** 1,2,4-trimethylbenzene, cumene**Central nervous system** low boiling point naphtha (<0,1% benzene), 1,2,4-trimethylbenzene**reproductive organs** ethyl acetate, heptane (mixture of isomers)**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.

## 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
ethyl 3-ethoxypropionate	Category 3
xylene	Category 3
heptane (mixture of isomers)	Category 1
ethylbenzene	Category 2
2-butoxyethyl acetate	Category 3
Naphthalene	Category 1
1,2,4-trimethylbenzene	Category 2
cumene	Category 2
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 1

**Chronic aquatic toxicity**

Solvent naphtha (petroleum), heavy arom.	Category 2
aluminium powder (stabilized)	Category 4
heptane (mixture of isomers)	Category 1
Naphthalene	Category 1
1,2,4-trimethylbenzene	Category 2
cumene	Category 2
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 1

% of unknown composition 9.5%

**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:	II
Hazchem Code:	3YE

**IMDG (Sea transport)**

Proper shipping name:	PAINT
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UN number: 1263  
Hazard Class: 3  
Subsidiary Hazard Class: Not applicable.  
Packing group: II  
Marine Pollutant: yes [Solvent naphtha (petroleum), heavy arom.]  
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	
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Single exposure	Category 6.9B
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:	2013-08-26
2403-10001	

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

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

<b>Product name</b>	STRIKING SILVER METALLIC
<b>Product code</b>	400-73
<b>reference number</b>	400-73
<b>Intended use of the substance/preparation</b> Coating for professional use	
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency telephone number	NZ Poisons Information Centre Ph: 0800 764 766 24-hour Emergency Number: (64)-9526 2501
Importer	Resene Paints Ltd.
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2013-08-28

## 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
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
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

Highly flammable liquid and vapour.  
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.  
Causes damage to organs.  
May cause damage to organs through prolonged or repeated exposure.  
Harmful to aquatic life.  
Harmful to aquatic life with long lasting effects.



Precautionary statements	Contaminated work clothing should not be allowed out of the workplace. Keep container tightly closed. Avoid release to the environment. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Do not eat, drink or smoke when using this product. Ground/bond container and receiving equipment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Take precautionary measures against static discharge. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Wash hands after handling. Wear protective gloves/ eye protection/ face protection. IF exposed: Call a POISON CENTER or doctor/ physician. If eye irritation persists: 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 ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. If skin irritation or rash occurs: Get medical advice/ attention. Specific treatment (see supplemental first aid instructions on this label). Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local regulation.
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**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 ardous	Haz-
123-86-4	n-butyl acetate	10 - 20%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	5 - 10%	✓	
108-88-3	toluene	5 - 10%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	5 - 10%	✓	
763-69-9	ethyl 3-ethoxypropionate	3 - 5%	✓	
1330-20-7	xylene	3 - 5%	✓	
7429-90-5	aluminium powder (stabilized)	1 - 3%	✓	
141-78-6	ethyl acetate	1 - 3%	✓	
108-10-1	4-methylpentan-2-one	1 - 3%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
112-07-2	2-butoxyethyl acetate	0.3 - 1.0%	✓	
78-93-3	butanone	0.3 - 1.0%	✓	
91-20-3	Naphthalene	0.3 - 1.0%	✓	
8052-41-3	stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	0.3 - 1.0%	✓	
95-63-6	1,2,4-trimethylbenzene	0.1 - 0.3%	✓	
98-82-8	cumene	0.1 - 0.3%	✓	



CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
82919-37-7	methyl 1,2,2,6,6-pentamethyl-4-piperidyl se- bacate	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 (CO<sub>2</sub>), 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
toluene	TWA	713 mg/m3
	TWA	50 ppm
xylene	TWA	188 mg/m3
	TWA	50 ppm
aluminium powder (stabilized)	TWA	217 mg/m3
	TWA	5 mg/m3
ethyl acetate	TWA	200 ppm
	TWA	720 mg/m3
4-methylpentan-2-one	TWA	50 ppm



Chemical Name		
	STEL	75 ppm
	STEL	307 mg/m3
	TWA	205 mg/m3
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m3
	TWA	434 mg/m3
butanone	TWA	150 ppm
	STEL	300 ppm
	STEL	890 mg/m3
	TWA	445 mg/m3
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m3
	TWA	52 mg/m3
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	TWA	100 ppm
	TWA	525 mg/m3
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 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
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
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: silver    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	10.2 %	
Lower explosion limit	0.8 %	
Vapour pressure	9.8 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.99 g/cm <sup>3</sup>	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**

not hazardous

**Acute dermal toxicity**

Not classified according to GHS criteria

**Acute inhalation toxicity**

not hazardous

% of unknown composition 0 %

**Skin corrosion/irritation**

n-butyl acetate	Category 3
Solvent naphtha (petroleum), heavy arom.	Category 2
toluene	Category 2
low boiling point naphtha (<0,1% benzene)	Category 2
ethyl 3-ethoxypropionate	Category 3
xylene	Category 2
ethyl acetate	Category 3
4-methylpentan-2-one	Category 3
ethylbenzene	Category 3
2-butoxyethyl acetate	Category 3
butanone	Category 3
Naphthalene	Category 3
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2

**Serious eye damage/eye irritation**

toluene	Category 2B
low boiling point naphtha (<0,1% benzene)	Category 2A
xylene	Category 2
ethyl acetate	Category 2
4-methylpentan-2-one	Category 2



ethylbenzene	Category 2B
2-butoxyethyl acetate	Category 2A
butanone	Category 2
Naphthalene	Category 2A
1,2,4-trimethylbenzene	Category 2

**Respiratory sensitisation**

Not classified according to GHS criteria

**Skin sensitisation**

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

**Germ cell mutagenicity**

Not classified according to GHS criteria

**Carcinogenicity**

Naphthalene Category 2

**Toxicity for reproduction**

toluene Category 2

**Target Organ Systemic Toxicant - Single exposure**

- **Skin Absorption**

**Narcotic effects** toluene

- **Inhalation**

**Respiratory system** 1,2,4-trimethylbenzene, cumene

**Central nervous system** low boiling point naphtha (<0,1% benzene), 1,2,4-trimethylbenzene

**reproductive organs** ethyl acetate

**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.

## 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
ethyl 3-ethoxypropionate	Category 3
xylene	Category 3
ethylbenzene	Category 2
2-butoxyethyl acetate	Category 3
Naphthalene	Category 1
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 1
1,2,4-trimethylbenzene	Category 2
cumene	Category 2
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1

**Chronic aquatic toxicity**

Solvent naphtha (petroleum), heavy arom.	Category 2
aluminium powder (stabilized)	Category 4
Naphthalene	Category 1
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 1
1,2,4-trimethylbenzene	Category 2
cumene	Category 2
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1

% of unknown composition 9.4%

**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	HSR002669
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
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Single exposure	Category 6.9B
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: 2013-08-26  
2403-10003

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

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

<b>Product name</b>	CHERRY RED METALLIC
<b>Product code</b>	400-77
<b>reference number</b>	400-77
<b>Intended use of the substance/preparation</b> Coating for professional use	
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency telephone number	NZ Poisons Information Centre Ph: 0800 764 766 24-hour Emergency Number: (64)-9526 2501
Importer	Resene Paints Ltd.
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2013-08-28

## 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
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
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  
Highly flammable liquid and vapour.  
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.  
Causes damage to organs.  
May cause damage to organs through prolonged or repeated exposure.  
Harmful to aquatic life.  
Harmful to aquatic life with long lasting effects.



Precautionary statements	Contaminated work clothing should not be allowed out of the workplace. Keep container tightly closed. Avoid release to the environment. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Do not eat, drink or smoke when using this product. Ground/bond container and receiving equipment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Take precautionary measures against static discharge. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Wash hands after handling. Wear protective gloves/ eye protection/ face protection. IF exposed: Call a POISON CENTER or doctor/ physician. If eye irritation persists: 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 ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. If skin irritation or rash occurs: Get medical advice/ attention. Specific treatment (see supplemental first aid instructions on this label). Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local regulation.
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**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 ardous	Haz-
123-86-4	n-butyl acetate	10 - 20%	✓	
108-88-3	toluene	5 - 10%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	5 - 10%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	3 - 5%	✓	
763-69-9	ethyl 3-ethoxypropionate	3 - 5%	✓	
1330-20-7	xylene	3 - 5%	✓	
141-78-6	ethyl acetate	1 - 3%	✓	
108-10-1	4-methylpentan-2-one	1 - 3%	✓	
7429-90-5	aluminium powder (stabilized)	0.3 - 1.0%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
112-07-2	2-butoxyethyl acetate	0.3 - 1.0%	✓	
78-93-3	butanone	0.3 - 1.0%	✓	
95-63-6	1,2,4-trimethylbenzene	0.1 - 0.3%	✓	
7727-43-7	barium sulphate, natural	0.1 - 0.3%		
82919-37-7	methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	0.1 - 0.3%	✓	
91-20-3	Naphthalene	0.1 - 0.3%	✓	



CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
8052-41-3	stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	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 (CO<sub>2</sub>), 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 <sup>3</sup>
toluene	TWA	713 mg/m <sup>3</sup>
	TWA	50 ppm
xylene	TWA	188 mg/m <sup>3</sup>
	TWA	50 ppm
ethyl acetate	TWA	217 mg/m <sup>3</sup>
	TWA	200 ppm
4-methylpentan-2-one	TWA	720 mg/m <sup>3</sup>
	TWA	50 ppm
	STEL	75 ppm





Chemical Name		
	STEL	307 mg/m3
	TWA	205 mg/m3
aluminium powder (stabilized)	TWA	5 mg/m3
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m3
	TWA	434 mg/m3
butanone	TWA	150 ppm
	STEL	300 ppm
	STEL	890 mg/m3
	TWA	445 mg/m3
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m3
barium sulphate, natural	TWA	10 mg/m3
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m3
	TWA	52 mg/m3
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	TWA	100 ppm
	TWA	525 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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min



Chemical Name	Glove material	Glove thickness	Break through time
	Viton (R) <sup>®</sup>	0.7 mm	480 min
ethyl acetate	Nitrile rubber	0.33 mm	10 min
	Viton (R) <sup>®</sup>	0.7 mm	480 min
butanone	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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	109 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.2 %	
Lower explosion limit	0.9 %	
Vapour pressure	10.5 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.99 g/cm <sup>3</sup>	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**

not hazardous

**Acute dermal toxicity**

Not classified according to GHS criteria

**Acute inhalation toxicity**

not hazardous

% of unknown composition 0 %

**Skin corrosion/irritation**

n-butyl acetate	Category 3
toluene	Category 2
low boiling point naphtha (<0,1% benzene)	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
ethyl 3-ethoxypropionate	Category 3
xylene	Category 2
ethyl acetate	Category 3
4-methylpentan-2-one	Category 3
ethylbenzene	Category 3
2-butoxyethyl acetate	Category 3
butanone	Category 3
1,2,4-trimethylbenzene	Category 2
Naphthalene	Category 3
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 2

**Serious eye damage/eye irritation**

toluene	Category 2B
low boiling point naphtha (<0,1% benzene)	Category 2A
xylene	Category 2
ethyl acetate	Category 2
4-methylpentan-2-one	Category 2
ethylbenzene	Category 2B
2-butoxyethyl acetate	Category 2A
butanone	Category 2
1,2,4-trimethylbenzene	Category 2
Naphthalene	Category 2A

**Respiratory sensitisation**

Not classified according to GHS criteria

**Skin sensitisation**

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

**Germ cell mutagenicity**

Not classified according to GHS criteria

**Carcinogenicity**

Naphthalene Category 2

**Toxicity for reproduction**

toluene Category 2

**Target Organ Systemic Toxicant - Single exposure**• **Skin Absorption****Narcotic effects** toluene• **Inhalation****Respiratory system** 1,2,4-trimethylbenzene**Central nervous system** low boiling point naphtha (<0,1% benzene), 1,2,4-trimethylbenzene**reproductive organs** ethyl acetate**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 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
ethyl 3-ethoxypropionate	Category 3
xylene	Category 3
ethylbenzene	Category 2
2-butoxyethyl acetate	Category 3
1,2,4-trimethylbenzene	Category 2
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1
Naphthalene	Category 1
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 1

**Chronic aquatic toxicity**

Solvent naphtha (petroleum), heavy arom.	Category 2
aluminium powder (stabilized)	Category 4
1,2,4-trimethylbenzene	Category 2
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1
Naphthalene	Category 1
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 1

% of unknown composition 12%

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

**Mobility in soil**

No information available.

**Other adverse effects**

No information available.

## 13. DISPOSAL 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	
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 - Single exposure	Category 6.9B
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: 2013-08-26  
2403-10004

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

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

**Product name** ORANGE

**Product code** 400-80

**reference number** 400-80

**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 telephone number** NZ Poisons Information Centre Ph: 0800 764 766  
24-hour Emergency Number: (64)-9526 2501

**Importer** Resene Paints Ltd.  
**Street/Box** 4 Te Apunga Place, Mt Wellington,  
Auckland, NZ

**Nat.-Code/Postal code/City**  
**Telephone** +64 (09) 259 2738

**Date of preparation** 2013-08-28

## 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
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
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** Highly flammable liquid and vapour.  
Causes skin irritation.  
Causes serious eye irritation.  
Suspected of causing cancer.  
Suspected of damaging fertility or the unborn child.  
Causes damage to organs.  
May cause damage to organs through prolonged or repeated exposure.  
Toxic to aquatic life.  
Toxic to aquatic life with long lasting effects.

**Precautionary statements** Keep container tightly closed.  
Avoid release to the environment.



Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
Do not eat, drink or smoke when using this product.  
Ground/bond container and receiving equipment.  
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
Obtain special instructions before use.  
Take precautionary measures against static discharge.  
Use explosion-proof electrical/ventilating/lighting equipment.  
Use only non-sparking tools.  
Wash hands after handling.  
Wear protective gloves/ eye protection/ face protection.  
Collect spillage.  
IF exposed: Call a POISON CENTER or doctor/ physician.  
IF eye irritation persists: 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 ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
If skin irritation occurs, seek medical advice/attention.  
Specific treatment (see supplemental first aid instructions on this label).  
Store in a well-ventilated place. Keep cool.  
Store locked up.  
Dispose of contents/container in accordance with local regulation.

**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 ardous	Haz-
123-86-4	n-butyl acetate	20 - 30%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	5 - 10%	✓	
108-88-3	toluene	5 - 10%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	5 - 10%	✓	
142-82-5	heptane (mixture of isomers)	3 - 5%	✓	
763-69-9	ethyl 3-ethoxypropionate	1 - 3%	✓	
141-78-6	ethyl acetate	1 - 3%	✓	
1330-20-7	xylene	1 - 3%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
112-07-2	2-butoxyethyl acetate	0.3 - 1.0%	✓	
78-93-3	butanone	0.3 - 1.0%	✓	
108-10-1	4-methylpentan-2-one	0.3 - 1.0%	✓	
91-20-3	Naphthalene	0.3 - 1.0%	✓	
95-63-6	1,2,4-trimethylbenzene	0.1 - 0.3%	✓	
98-82-8	cumene	0.1 - 0.3%	✓	
1317-65-3	Limestone (calcium carbonate)	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 (CO<sub>2</sub>), 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		
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m <sup>3</sup>
toluene	TWA	713 mg/m <sup>3</sup>
	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
heptane (mixture of isomers)	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m <sup>3</sup>
	TWA	1,640 mg/m <sup>3</sup>
ethyl acetate	TWA	200 ppm
	TWA	720 mg/m <sup>3</sup>
xylene	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m <sup>3</sup>
	TWA	434 mg/m <sup>3</sup>
butanone	TWA	150 ppm



## Chemical Name

	STEL	300 ppm
	STEL	890 mg/m3
	TWA	445 mg/m3
4-methylpentan-2-one	TWA	50 ppm
	STEL	75 ppm
	STEL	307 mg/m3
	TWA	205 mg/m3
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m3
	TWA	52 mg/m3
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m3
cumene	TWA	25 ppm
	STEL	75 ppm
	STEL	375 mg/m3
	TWA	125 mg/m3
Limestone (calcium carbonate)	TWA	10 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
ethyl acetate	Nitrile rubber	0.33 mm	10 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
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: orange    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	10.2 %	
Lower explosion limit	0.8 %	
Vapour pressure	11.6 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.98 g/cm <sup>3</sup>	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 hazardous

% of unknown composition 0 %

#### Skin corrosion/irritation

n-butyl acetate	Category 3
Solvent naphtha (petroleum), heavy arom.	Category 2
toluene	Category 2
low boiling point naphtha (<0,1% benzene)	Category 2
heptane (mixture of isomers)	Category 2
ethyl 3-ethoxypropionate	Category 3
ethyl acetate	Category 3
xylene	Category 2
ethylbenzene	Category 3
2-butoxyethyl acetate	Category 3
butanone	Category 3
4-methylpentan-2-one	Category 3
Naphthalene	Category 3
1,2,4-trimethylbenzene	Category 2

#### Serious eye damage/eye irritation

toluene	Category 2B
low boiling point naphtha (<0,1% benzene)	Category 2A
heptane (mixture of isomers)	Category 2A
ethyl acetate	Category 2
xylene	Category 2
ethylbenzene	Category 2B
2-butoxyethyl acetate	Category 2A
butanone	Category 2
4-methylpentan-2-one	Category 2
Naphthalene	Category 2A
1,2,4-trimethylbenzene	Category 2

#### 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**

Naphthalene Category 2

**Toxicity for reproduction**

toluene Category 2

**Target Organ Systemic Toxicant - Single exposure**• **Skin Absorption****Narcotic effects** toluene• **Inhalation****Respiratory system** 1,2,4-trimethylbenzene, cumene**Central nervous system** low boiling point naphtha (<0,1% benzene), 1,2,4-trimethylbenzene**reproductive organs** ethyl acetate, heptane (mixture of isomers)**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.

## 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
heptane (mixture of isomers)	Category 1
ethyl 3-ethoxypropionate	Category 3
xylene	Category 3
ethylbenzene	Category 2
2-butoxyethyl acetate	Category 3
Naphthalene	Category 1
1,2,4-trimethylbenzene	Category 2
cumene	Category 2

**Chronic aquatic toxicity**

Solvent naphtha (petroleum), heavy arom.	Category 2
heptane (mixture of isomers)	Category 1
Naphthalene	Category 1
1,2,4-trimethylbenzene	Category 2
cumene	Category 2

% of unknown composition 14.4%

**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: 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	HSR002669
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
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Single exposure	Category 6.9B
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: 2013-08-26  
1250001668

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



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

<b>Product name</b>	DEEP RED
<b>Product code</b>	400-84
<b>reference number</b>	400-84
<b>Intended use of the substance/preparation</b> Coating for professional use	
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency telephone number	NZ Poisons Information Centre Ph: 0800 764 766 24-hour Emergency Number: (64)-9526 2501
Importer	Resene Paints Ltd.
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2013-08-28

## 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
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
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 9.1C

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 causing cancer. Suspected of damaging fertility or the unborn child. 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.
Precautionary statements	Keep container tightly closed. Avoid release to the environment.



Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
Do not eat, drink or smoke when using this product.  
Ground/bond container and receiving equipment.  
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
Obtain special instructions before use.  
Take precautionary measures against static discharge.  
Use explosion-proof electrical/ventilating/lighting equipment.  
Use only non-sparking tools.  
Wash hands after handling.  
Wear protective gloves/ eye protection/ face protection.  
IF exposed: Call a POISON CENTER or doctor/ physician.  
If eye irritation persists: 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 ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
If skin irritation occurs, seek medical advice/attention.  
Specific treatment (see supplemental first aid instructions on this label).  
Store in a well-ventilated place. Keep cool.  
Store locked up.  
Dispose of contents/container in accordance with local regulation.

**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 ardous	Haz-
123-86-4	n-butyl acetate	10 - 20%	✓	
108-88-3	toluene	5 - 10%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	5 - 10%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	3 - 5%	✓	
1047-16-1	Quinacridone pigment	3 - 5%	✓	
1330-20-7	xylene	3 - 5%	✓	
763-69-9	ethyl 3-ethoxypropionate	1 - 3%	✓	
141-78-6	ethyl acetate	1 - 3%	✓	
112-07-2	2-butoxyethyl acetate	1 - 3%	✓	
142-82-5	heptane (mixture of isomers)	1 - 3%	✓	
1332-37-2	Red iron oxide light	1 - 3%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
78-93-3	butanone	0.3 - 1.0%	✓	
108-10-1	4-methylpentan-2-one	0.3 - 1.0%	✓	
1317-65-3	Limestone (calcium carbonate)	0.1 - 0.3%		
91-20-3	Naphthalene	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 (CO<sub>2</sub>), 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		
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m <sup>3</sup>
toluene	TWA	713 mg/m <sup>3</sup>
	TWA	50 ppm
xylene	TWA	188 mg/m <sup>3</sup>
	TWA	50 ppm
ethyl acetate	TWA	217 mg/m <sup>3</sup>
	TWA	200 ppm
heptane (mixture of isomers)	TWA	720 mg/m <sup>3</sup>
	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m <sup>3</sup>
Red iron oxide light	TWA	1,640 mg/m <sup>3</sup>
	TWA	1 mg/m <sup>3</sup>
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m <sup>3</sup>
	TWA	434 mg/m <sup>3</sup>



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**Chemical Name**

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butanone	TWA	150 ppm
	STEL	300 ppm
	STEL	890 mg/m3
4-methylpentan-2-one	TWA	445 mg/m3
	TWA	50 ppm
	STEL	75 ppm
	STEL	307 mg/m3
Limestone (calcium carbonate)	TWA	205 mg/m3
	TWA	10 mg/m3
	TWA	10 ppm
Naphthalene	STEL	15 ppm
	STEL	79 mg/m3
	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
ethyl acetate	Nitrile rubber	0.33 mm	10 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: red    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	10.2 %	
Lower explosion limit	0.9 %	
Vapour pressure	11.0 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.99 g/cm <sup>3</sup>	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**

n-butyl acetate	Category 3
toluene	Category 2
low boiling point naphtha (<0,1% benzene)	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
Quinacridone pigment	Category 2
xylene	Category 2
ethyl 3-ethoxypropionate	Category 3
ethyl acetate	Category 3
2-butoxyethyl acetate	Category 3
heptane (mixture of isomers)	Category 2
Red iron oxide light	Category 2
ethylbenzene	Category 3
butanone	Category 3
4-methylpentan-2-one	Category 3
Naphthalene	Category 3

**Serious eye damage/eye irritation**

toluene	Category 2B
low boiling point naphtha (<0,1% benzene)	Category 2A
xylene	Category 2
ethyl acetate	Category 2
2-butoxyethyl acetate	Category 2A
heptane (mixture of isomers)	Category 2A
Red iron oxide light	Category 1
ethylbenzene	Category 2B
butanone	Category 2
4-methylpentan-2-one	Category 2
Naphthalene	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**

Naphthalene Category 2

**Toxicity for reproduction**

toluene Category 2

**Target Organ Systemic Toxicant - Single exposure**• **Skin Absorption****Narcotic effects** toluene• **Inhalation****Central nervous system** low boiling point naphtha (<0,1% benzene)**reproductive organs** ethyl acetate, heptane (mixture of isomers)**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
ethyl 3-ethoxypropionate	Category 3
2-butoxyethyl acetate	Category 3
heptane (mixture of isomers)	Category 1
ethylbenzene	Category 2
Naphthalene	Category 1

**Chronic aquatic toxicity**

Solvent naphtha (petroleum), heavy arom.	Category 2
heptane (mixture of isomers)	Category 1
Naphthalene	Category 1

% of unknown composition 8.7%



**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: 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 [Solvent naphtha (petroleum), heavy arom.]

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	
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Single exposure	Category 6.9B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Flammable liquids	Category 3.1B
Acute aquatic toxicity	Category 9.1B
Chronic aquatic toxicity	Category 9.1C

**16. Other information**

Revision Note

Version	Changes
1.0	
Revision Date:	2013-08-26
1250001669	

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

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

<b>Product name</b>	INT FUL-THANE URETHANE CLEAR
<b>Product code</b>	401-20
<b>reference number</b>	401-20
<b>Intended use of the substance/preparation</b> Coating for professional use	
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency telephone number	NZ Poisons Information Centre Ph: 0800 764 766 24-hour Emergency Number: (64)-9526 2501
Importer	ULTRA PAINTS LTD.
Street/Box	994 Great South Road, Penrose, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 525 0426
Date of preparation	2013-08-28

## 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 - 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	Highly 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. May cause damage to organs through prolonged or repeated exposure. Toxic to aquatic life. Toxic to aquatic life with long lasting effects.
Precautionary statements	Contaminated work clothing should not be allowed out of the workplace. Keep container tightly closed.



Avoid release to the environment.  
Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
Do not eat, drink or smoke when using this product.  
Ground/bond container and receiving equipment.  
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
Obtain special instructions before use.  
Take precautionary measures against static discharge.  
Use explosion-proof electrical/ventilating/lighting equipment.  
Use only non-sparking tools.  
Wash hands after handling.  
Wear protective gloves/ eye protection/ face protection.  
Collect spillage.  
IF exposed: Call a POISON CENTER or doctor/ physician.  
If eye irritation persists: 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 ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
If skin irritation or rash occurs: Get medical advice/ attention.  
Specific treatment (see supplemental first aid instructions on this label).  
Store in a well-ventilated place. Keep cool.  
Store locked up.  
Dispose of contents/container in accordance with local regulation.

**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
108-65-6	2-methoxy-1-methylethyl acetate	10 - 20%	✓	
123-86-4	n-butyl acetate	5 - 10%	✓	
763-69-9	ethyl 3-ethoxypropionate	5 - 10%	✓	
142-82-5	heptane (mixture of isomers)	5 - 10%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	5 - 10%	✓	
141-78-6	ethyl acetate	3 - 5%	✓	
108-88-3	toluene	3 - 5%	✓	
1330-20-7	xylene	3 - 5%	✓	
108-10-1	4-methylpentan-2-one	1 - 3%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
78-93-3	butanone	0.3 - 1.0%	✓	
122-99-6	2-phenoxyethanol	0.1 - 0.3%	✓	
108-87-2	methylcyclohexane	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 (CO<sub>2</sub>), 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 <sup>3</sup>
heptane (mixture of isomers)	TWA	713 mg/m <sup>3</sup>
	TWA	400 ppm
	STEL	500 ppm
ethyl acetate	STEL	2,050 mg/m <sup>3</sup>
	TWA	1,640 mg/m <sup>3</sup>
	TWA	200 ppm
toluene	TWA	720 mg/m <sup>3</sup>
	TWA	50 ppm
xylene	TWA	188 mg/m <sup>3</sup>
	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>
4-methylpentan-2-one	TWA	50 ppm
	STEL	75 ppm
	STEL	307 mg/m <sup>3</sup>



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**Chemical Name**

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	TWA	205 mg/m3
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m3
butanone	TWA	434 mg/m3
	TWA	150 ppm
	STEL	300 ppm
methylcyclohexane	STEL	890 mg/m3
	TWA	445 mg/m3
	TWA	400 ppm
	TWA	1,610 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
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
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    Odour: Characteristic Paint Odor    Odor Threshold : no data available

pH	No data available.	
Freezing point	Not applicable.	
Boiling point	91 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.2 %	
Lower explosion limit	0.9 %	
Vapour pressure	13.1 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	0.97 g/cm <sup>3</sup>	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 hazardous

% of unknown composition 0 %

**Skin corrosion/irritation**

n-butyl acetate	Category 3
ethyl 3-ethoxypropionate	Category 3
heptane (mixture of isomers)	Category 2
low boiling point naphtha (<0,1% benzene)	Category 2
ethyl acetate	Category 3
toluene	Category 2
xylene	Category 2
4-methylpentan-2-one	Category 3
ethylbenzene	Category 3
butanone	Category 3
methylcyclohexane	Category 2

**Serious eye damage/eye irritation**

2-methoxy-1-methylethyl acetate	Category 2
heptane (mixture of isomers)	Category 2A
low boiling point naphtha (<0,1% benzene)	Category 2A
ethyl acetate	Category 2
toluene	Category 2B
xylene	Category 2
4-methylpentan-2-one	Category 2
ethylbenzene	Category 2B
butanone	Category 2
2-phenoxyethanol	Category 2

**Respiratory sensitisation**

Not classified according to GHS criteria

**Skin sensitisation**

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**• **Skin Absorption****Narcotic effects** toluene• **Inhalation****Respiratory system** 2-methoxy-1-methylethyl acetate**Central nervous system** low boiling point naphtha (<0,1% benzene)**reproductive organs** ethyl acetate, heptane (mixture of isomers)**Target Organ Systemic Toxicant - Repeated exposure**• **Skin Absorption****Body weight effects** ethyl acetate**Kidney** 2-phenoxyethanol**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
ethyl 3-ethoxypropionate	Category 3
heptane (mixture of isomers)	Category 1
toluene	Category 2
xylene	Category 3
ethylbenzene	Category 2
methylcyclohexane	Category 2
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1

**Chronic aquatic toxicity**

heptane (mixture of isomers)	Category 1
methylcyclohexane	Category 2
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1

% of unknown composition 6.2%

**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: 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 6.4A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Single exposure	Category 6.9B
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:	2013-08-26
1250001670	

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

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

<b>Product name</b>	FUL-CRYL II FP BLACK
<b>Product code</b>	418-01
<b>reference number</b>	418-01
<b>Intended use of the substance/preparation</b> Coating for professional use	
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency telephone number	NZ Poisons Information Centre Ph: 0800 764 766 24-hour Emergency Number: (64)-9526 2501
Importer	Resene Paints Ltd.
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2013-08-28

## 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 - 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

Highly 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.  
May cause damage to organs through prolonged or repeated exposure.  
Toxic to aquatic life.  
Toxic to aquatic life with long lasting effects.

Precautionary statements

Contaminated work clothing should not be allowed out of the workplace.  
Keep container tightly closed.



Avoid release to the environment.  
Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
Do not eat, drink or smoke when using this product.  
Ground/bond container and receiving equipment.  
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
Obtain special instructions before use.  
Take precautionary measures against static discharge.  
Use explosion-proof electrical/ventilating/lighting equipment.  
Use only non-sparking tools.  
Wash hands after handling.  
Wear protective gloves/ eye protection/ face protection.  
Collect spillage.  
IF exposed: Call a POISON CENTER or doctor/ physician.  
If eye irritation persists: 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 ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
If skin irritation or rash occurs: Get medical advice/ attention.  
Specific treatment (see supplemental first aid instructions on this label).  
Store in a well-ventilated place. Keep cool.  
Store locked up.  
Dispose of contents/container in accordance with local regulation.

**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	10 - 20%	✓	
763-69-9	ethyl 3-ethoxypropionate	5 - 10%	✓	
110-43-0	heptan-2-one	5 - 10%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	5 - 10%	✓	
1330-20-7	xylene	5 - 10%	✓	
142-82-5	heptane (mixture of isomers)	3 - 5%	✓	
1333-86-4	carbon black	1 - 3%		
141-78-6	ethyl acetate	1 - 3%	✓	
100-41-4	ethylbenzene	1 - 3%	✓	
112-07-2	2-butoxyethyl acetate	1 - 3%	✓	
108-88-3	toluene	1 - 3%	✓	
108-10-1	4-methylpentan-2-one	0.3 - 1.0%	✓	
122-99-6	2-phenoxyethanol	0.1 - 0.3%	✓	
1317-65-3	Limestone (calcium carbonate)	0.1 - 0.3%		
80-62-6	methyl methacrylate	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.

#### Ingestion

May result in gastrointestinal distress.

#### Skin 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 (CO<sub>2</sub>), 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 <sup>3</sup>
heptan-2-one	TWA	713 mg/m <sup>3</sup>
	TWA	50 ppm
xylene	TWA	233 mg/m <sup>3</sup>
	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>
heptane (mixture of isomers)	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m <sup>3</sup>
carbon black	TWA	1,640 mg/m <sup>3</sup>
	TWA	3 mg/m <sup>3</sup>
ethyl acetate	TWA	200 ppm
	TWA	720 mg/m <sup>3</sup>
ethylbenzene	TWA	100 ppm
	STEL	125 ppm





## Chemical Name

	STEL	543 mg/m3
	TWA	434 mg/m3
toluene	TWA	50 ppm
	TWA	188 mg/m3
4-methylpentan-2-one	TWA	50 ppm
	STEL	75 ppm
	STEL	307 mg/m3
	TWA	205 mg/m3
Limestone (calcium carbonate)	TWA	10 mg/m3
methyl methacrylate	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m3
	TWA	208 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
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: black    Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	116 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.2 %	
Lower explosion limit	0.9 %	
Vapour pressure	10.2 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.96 g/cm <sup>3</sup>	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**

n-butyl acetate	Category 3
ethyl 3-ethoxypropionate	Category 3
heptan-2-one	Category 2
low boiling point naphtha (<0,1% benzene)	Category 2
xylene	Category 2
heptane (mixture of isomers)	Category 2
ethyl acetate	Category 3
ethylbenzene	Category 3
2-butoxyethyl acetate	Category 3
toluene	Category 2
4-methylpentan-2-one	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2

**Serious eye damage/eye irritation**

heptan-2-one	Category 2B
low boiling point naphtha (<0,1% benzene)	Category 2A
xylene	Category 2
heptane (mixture of isomers)	Category 2A
ethyl acetate	Category 2
ethylbenzene	Category 2B
2-butoxyethyl acetate	Category 2A
toluene	Category 2B
4-methylpentan-2-one	Category 2
2-phenoxyethanol	Category 2
n-butyl methacrylate	Category 2

**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****• Skin Absorption****Narcotic effects** toluene**• Inhalation****airway sensitivity** heptan-2-one**Narcotic effects** heptan-2-one**Respiratory system** methyl methacrylate**Central nervous system** low boiling point naphtha (<0,1% benzene)**reproductive organs** ethyl acetate, heptane (mixture of isomers)**• Ingestion****Respiratory tract irritation** heptan-2-one**Narcotic effects** heptan-2-one**Target Organ Systemic Toxicant - Repeated exposure****• Skin Absorption****Spleen** n-butyl methacrylate**Body weight effects** ethyl acetate**Kidney** 2-phenoxyethanol**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
ethyl 3-ethoxypropionate	Category 3
heptan-2-one	Category 3
xylene	Category 3
heptane (mixture of isomers)	Category 1
ethylbenzene	Category 2
2-butoxyethyl acetate	Category 3
toluene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3

**Chronic aquatic toxicity**

heptane (mixture of isomers) Category 1

% of unknown composition 7.4%

**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: 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 6.4A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Single exposure	Category 6.9B
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:	2013-08-26
1250003596	

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

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

**Product name** FUL-CRYL II FP GM-12 WHITE

**Product code** 418-03

**reference number** 418-03

**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 telephone number** NZ Poisons Information Centre Ph: 0800 764 766  
24-hour Emergency Number: (64)-9526 2501

**Importer** Resene Paints Ltd.  
**Street/Box** 4 Te Apunga Place, Mt Wellington,  
Auckland, NZ

**Nat.-Code/Postal code/City**  
**Telephone** +64 (09) 259 2738

**Date of preparation** 2013-08-28

## 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 - 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

Highly 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.  
May cause damage to organs through prolonged or repeated exposure.  
Harmful to aquatic life.

Precautionary statements

Contaminated work clothing should not be allowed out of the workplace.  
Keep container tightly closed.  
Avoid release to the environment.  
Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.



Do not eat, drink or smoke when using this product.  
Ground/bond container and receiving equipment.  
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
Obtain special instructions before use.  
Take precautionary measures against static discharge.  
Use explosion-proof electrical/ventilating/lighting equipment.  
Use only non-sparking tools.  
Wash hands after handling.  
Wear protective gloves/ eye protection/ face protection.  
IF exposed: Call a POISON CENTER or doctor/ physician.  
If eye irritation persists: 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 ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
If skin irritation or rash occurs: Get medical advice/ attention.  
Specific treatment (see supplemental first aid instructions on this label).  
Store in a well-ventilated place. Keep cool.  
Store locked up.  
Dispose of contents/container in accordance with local regulation.

**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	10 - 20%	✓	
13463-67-7	Titanium dioxide	10 - 20%	✓	
763-69-9	ethyl 3-ethoxypropionate	5 - 10%	✓	
110-12-3	5-methylhexan-2-one	5 - 10%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	5 - 10%	✓	
1330-20-7	xylene	3 - 5%	✓	
7631-86-9	amorphous Silica	1 - 3%		
141-78-6	ethyl acetate	1 - 3%	✓	
100-41-4	ethylbenzene	1 - 3%	✓	
21645-51-2	aluminium hydroxide	0.3 - 1.0%		
112-07-2	2-butoxyethyl acetate	0.3 - 1.0%	✓	
108-10-1	4-methylpentan-2-one	0.3 - 1.0%	✓	
628-63-7	pentyl acetate	0.3 - 1.0%	✓	
108-88-3	toluene	0.3 - 1.0%	✓	
122-99-6	2-phenoxyethanol	0.1 - 0.3%	✓	
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 (CO<sub>2</sub>), 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
Titanium dioxide	TWA	713 mg/m3
	TWA	10 mg/m3
5-methylhexan-2-one	TWA	50 ppm
	TWA	234 mg/m3
xylene	TWA	50 ppm
	TWA	217 mg/m3
amorphous Silica	TWA	10 mg/m3
ethyl acetate	TWA	200 ppm
	TWA	720 mg/m3
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m3
aluminium hydroxide	TWA	434 mg/m3
	TWA	2 mg/m3



## Chemical Name

4-methylpentan-2-one	TWA	50 ppm
	STEL	75 ppm
	STEL	307 mg/m3
pentyl acetate	TWA	205 mg/m3
	TWA	100 ppm
	TWA	532 mg/m3
toluene	TWA	50 ppm
	TWA	188 mg/m3
methyl methacrylate	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m3
	TWA	208 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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	0.7 mm	480 min
ethyl acetate	Nitrile rubber	0.33 mm	10 min
	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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	116 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.2 %	
Lower explosion limit	0.9 %	
Vapour pressure	6.9 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	1.13 g/cm <sup>3</sup>	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**

not hazardous

**Acute dermal toxicity**

Not classified according to GHS criteria

**Acute inhalation toxicity**

not hazardous

% of unknown composition 0 %

**Skin corrosion/irritation**

n-butyl acetate	Category 3
ethyl 3-ethoxypropionate	Category 3
5-methylhexan-2-one	Category 3
low boiling point naphtha (<0,1% benzene)	Category 2
xylene	Category 2
ethyl acetate	Category 3
ethylbenzene	Category 3
2-butoxyethyl acetate	Category 3
4-methylpentan-2-one	Category 3
pentyl acetate	Category 3
toluene	Category 2
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2

**Serious eye damage/eye irritation**

5-methylhexan-2-one	Category 2A
low boiling point naphtha (<0,1% benzene)	Category 2A
xylene	Category 2
ethyl acetate	Category 2
ethylbenzene	Category 2B
2-butoxyethyl acetate	Category 2A
4-methylpentan-2-one	Category 2
pentyl acetate	Category 2A
toluene	Category 2B
2-phenoxyethanol	Category 2
n-butyl methacrylate	Category 2

**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**• **Skin Absorption****Narcotic effects** toluene• **Inhalation****Respiratory system** methyl methacrylate**Central nervous system** low boiling point naphtha (<0,1% benzene)**reproductive organs** ethyl acetate**Target Organ Systemic Toxicant - Repeated exposure**• **Skin Absorption****Spleen** n-butyl methacrylate**Body weight effects** ethyl acetate**Kidney** 2-phenoxyethanol**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
ethyl 3-ethoxypropionate	Category 3
xylene	Category 3
ethylbenzene	Category 2
2-butoxyethyl acetate	Category 3
toluene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3

% 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**

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 - Single exposure	Category 6.9B
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: 2013-08-26  
1250003597

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



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

<b>Product name</b>	419-01 NASCO FP BLACK
<b>Product code</b>	419-01
<b>reference number</b>	419-01
<b>Intended use of the substance/preparation</b> Coating for professional use	
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency telephone number	NZ Poisons Information Centre Ph: 0800 764 766 24-hour Emergency Number: (64)-9526 2501
Importer	Resene Paints Ltd.
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2013-08-28

## 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 - Single exposure	Category 6.9B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9A
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 causing cancer.  
Suspected of damaging fertility or the unborn child.  
Causes damage to organs.  
Causes damage to organs through prolonged or repeated exposure.  
Harmful to aquatic life.



Precautionary statements	Contaminated work clothing should not be allowed out of the workplace. Keep container tightly closed. Avoid release to the environment. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Do not eat, drink or smoke when using this product. Ground/bond container and receiving equipment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Take precautionary measures against static discharge. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Wash hands after handling. Wear protective gloves/ eye protection/ face protection. IF exposed: Call a POISON CENTER or doctor/ physician. If eye irritation persists: 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: Call a POISON CENTER or doctor/ physician if you feel unwell. IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. If skin irritation or rash occurs: Get medical advice/ attention. Specific treatment (see supplemental first aid instructions on this label). Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local regulation.
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**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	Haz-ardous
8032-32-4	low boiling point naphtha (<0,1% benzene)	20 - 30%	✓	
64742-48-9	Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	10 - 20%	✓	
123-86-4	n-butyl acetate	5 - 10%	✓	
108-88-3	toluene	5 - 10%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	1 - 3%	✓	
1333-86-4	carbon black	1 - 3%		
1330-20-7	xylene	1 - 3%	✓	
95-63-6	1,2,4-trimethylbenzene	0.3 - 1.0%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
96-29-7	2-butanone oxime	0.3 - 1.0%	✓	
108-67-8	mesitylene	0.1 - 0.3%	✓	
98-82-8	cumene	0.1 - 0.3%	✓	
1317-65-3	Limestone (calcium carbonate)	0.1 - 0.3%		
27253-32-3	Manganese neodecanoate	0.1 - 0.3%		
91-20-3	Naphthalene	0.1 - 0.3%	✓	
111-65-9	octane	0.1 - 0.3%	✓	



CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
8052-41-3	stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	0.1 - 0.3%	✓	
22464-99-9	Zirconium octoate	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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>
toluene	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
carbon black	TWA	3 mg/m <sup>3</sup>
xylene	TWA	50 ppm



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Chemical Name		
	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
Limestone (calcium carbonate)	TWA	10 mg/m3
Manganese neodecanoate	TWA	1 mg/m3
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m3
	TWA	52 mg/m3
octane	TWA	300 ppm
	STEL	375 ppm
	STEL	1,750 mg/m3
	TWA	1,400 mg/m3
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	TWA	100 ppm
	TWA	525 mg/m3
Zirconium octoate	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
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    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	10.2 %	
Lower explosion limit	0.5 %	
Vapour pressure	8.3 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	0.91 g/cm <sup>3</sup>	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. 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 classified according to GHS criteria

**Acute inhalation toxicity**

low boiling point naphtha (<0,1% benzene)	Category 4
Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	Category 4
toluene	Category 5
xylene	Category 4
1,2,4-trimethylbenzene	Category 4
ethylbenzene	Category 4
2-butanone oxime	Category 4

% of unknown composition 0 %

**Skin corrosion/irritation**

low boiling point naphtha (<0,1% benzene)	Category 2
Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	Category 3
n-butyl acetate	Category 3
toluene	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
xylene	Category 2



1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 3
2-butanone oxime	Category 3
mesitylene	Category 3
Naphthalene	Category 3
octane	Category 2
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 2

**Serious eye damage/eye irritation**

low boiling point naphtha (<0,1% benzene)	Category 2A
toluene	Category 2B
xylene	Category 2
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 2B
2-butanone oxime	Category 1
mesitylene	Category 2A
Naphthalene	Category 2A
octane	Category 2A

**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  
Naphthalene Category 2**Toxicity for reproduction**

toluene Category 2

**Target Organ Systemic Toxicant - Single exposure**• **Skin Absorption**

Narcotic effects toluene

• **Inhalation**

Respiratory tract irritation octane

airway sensitivity octane

Narcotic effects octane

Respiratory system 1,2,4-trimethylbenzene, cumene

Central nervous system low boiling point naphtha (&lt;0,1% benzene), 1,2,4-trimethylbenzene, octane

**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**

n-butyl acetate	Category 3
toluene	Category 2
xylene	Category 3
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 2
2-butanone oxime	Category 3
mesitylene	Category 2
cumene	Category 2
Naphthalene	Category 1
octane	Category 1
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 1

% 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: 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 - Single exposure	Category 6.9B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9A
Flammable liquids	Category 3.1B
Acute aquatic toxicity	Category 9.1C

## 16. Other information

## Revision Note

Version	Changes
1.0	

Revision Date: 2013-08-26  
1250003599

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

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

<b>Product name</b>	419-08 NASCO FP SNOW WHITE
<b>Product code</b>	419-08
<b>reference number</b>	419-08
<b>Intended use of the substance/preparation</b> Coating for professional use	
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency telephone number	NZ Poisons Information Centre Ph: 0800 764 766 24-hour Emergency Number: (64)-9526 2501
Importer	Resene Paints Ltd.
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2013-08-28

## 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 - Single exposure	Category 6.9B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9A
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 causing cancer.  
Suspected of damaging fertility or the unborn child.  
Causes damage to organs.  
Causes damage to organs through prolonged or repeated exposure.  
Harmful to aquatic life.



Precautionary statements	Contaminated work clothing should not be allowed out of the workplace. Keep container tightly closed. Avoid release to the environment. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Do not eat, drink or smoke when using this product. Ground/bond container and receiving equipment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Take precautionary measures against static discharge. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Wash hands after handling. Wear protective gloves/ eye protection/ face protection. IF exposed: Call a POISON CENTER or doctor/ physician. If eye irritation persists: 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: Call a POISON CENTER or doctor/ physician if you feel unwell. IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. If skin irritation or rash occurs: Get medical advice/ attention. Specific treatment (see supplemental first aid instructions on this label). Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local regulation.
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**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	Haz-ardous
123-86-4	n-butyl acetate	10 - 20%	✓	
64742-48-9	Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	10 - 20%	✓	
13463-67-7	Titanium dioxide	10 - 20%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	10 - 20%	✓	
7631-86-9	amorphous Silica	1 - 3%		
64742-94-5	Solvent naphtha (petroleum), heavy arom.	1 - 3%	✓	
108-88-3	toluene	1 - 3%	✓	
1330-20-7	xylene	1 - 3%	✓	
95-63-6	1,2,4-trimethylbenzene	0.3 - 1.0%	✓	
21645-51-2	aluminium hydroxide	0.3 - 1.0%		
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
108-67-8	mesitylene	0.1 - 0.3%	✓	
1317-65-3	Limestone (calcium carbonate)	0.1 - 0.3%		
27253-32-3	Manganese neodecanoate	0.1 - 0.3%		
96-29-7	2-butanone oxime	0.1 - 0.3%	✓	
91-20-3	Naphthalene	0.1 - 0.3%	✓	



CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
111-65-9	octane	0.1 - 0.3%	√	
22464-99-9	Zirconium octoate	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 (CO<sub>2</sub>), 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
Titanium dioxide	TWA	10 mg/m3
	TWA	10 mg/m3
amorphous Silica	TWA	10 mg/m3
	TWA	50 ppm
toluene	TWA	188 mg/m3
	TWA	50 ppm
xylene	TWA	217 mg/m3
	TWA	25 ppm
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m3



Chemical Name		
aluminium hydroxide	TWA	2 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
Limestone (calcium carbonate)	TWA	10 mg/m3
Manganese neodecanoate	TWA	1 mg/m3
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m3
	TWA	52 mg/m3
octane	TWA	300 ppm
	STEL	375 ppm
	STEL	1,750 mg/m3
	TWA	1,400 mg/m3
Zirconium octoate	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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 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: white    Odour: Characteristic Paint Odor    Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	116 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.2 %	
Lower explosion limit	0.5 %	
Vapour pressure	5.6 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.09 g/cm <sup>3</sup>	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

not hazardous

#### Acute dermal toxicity

Not classified according to GHS criteria

#### Acute inhalation toxicity

Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	Category 4
low boiling point naphtha (<0,1% benzene)	Category 4
toluene	Category 5
xylene	Category 4
1,2,4-trimethylbenzene	Category 4
ethylbenzene	Category 4
2-butanone oxime	Category 4

% of unknown composition 0 %

#### Skin corrosion/irritation

n-butyl acetate	Category 3
Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	Category 3
low boiling point naphtha (<0,1% benzene)	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
toluene	Category 2
xylene	Category 2
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 3
mesitylene	Category 3
2-butanone oxime	Category 3
Naphthalene	Category 3
octane	Category 2

#### Serious eye damage/eye irritation

low boiling point naphtha (<0,1% benzene)	Category 2A
toluene	Category 2B
xylene	Category 2
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 2B
mesitylene	Category 2A
2-butanone oxime	Category 1
Naphthalene	Category 2A
octane	Category 2A

**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  
Naphthalene Category 2**Toxicity for reproduction**

toluene Category 2

**Target Organ Systemic Toxicant - Single exposure**• **Skin Absorption**

Narcotic effects toluene

• **Inhalation**

Respiratory tract irritation octane

airway sensitivity octane

Narcotic effects octane

Respiratory system 1,2,4-trimethylbenzene

Central nervous system low boiling point naphtha (&lt;0,1% benzene), 1,2,4-trimethylbenzene, octane

**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**

n-butyl acetate	Category 3
Titanium dioxide	Category 3
toluene	Category 2
xylene	Category 3
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 2
mesitylene	Category 2
2-butanone oxime	Category 3
Naphthalene	Category 1
octane	Category 1

% of unknown composition 14.9%

**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: 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 - Single exposure	Category 6.9B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9A
Flammable liquids	Category 3.1B
Acute aquatic toxicity	Category 9.1C

## 16. Other information

Revision Note

Version	Changes
1.0	

Revision Date: 2013-08-26  
2419-DR401

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

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

<b>Product name</b>	NASCO FP WIMBLETON WHITE
<b>Product code</b>	419-19
<b>reference number</b>	419-19
<b>Intended use of the substance/preparation</b> Coating for professional use	
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency telephone number	NZ Poisons Information Centre Ph: 0800 764 766 24-hour Emergency Number: (64)-9526 2501
Importer	Resene Paints Ltd.
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2013-08-28

## 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 - Single exposure	Category 6.9B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9A
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 causing cancer.  
Suspected of damaging fertility or the unborn child.  
Causes damage to organs.  
Causes damage to organs through prolonged or repeated exposure.  
Harmful to aquatic life.



Precautionary statements	Contaminated work clothing should not be allowed out of the workplace. Keep container tightly closed. Avoid release to the environment. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Do not eat, drink or smoke when using this product. Ground/bond container and receiving equipment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Take precautionary measures against static discharge. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Wash hands after handling. Wear protective gloves/ eye protection/ face protection. IF exposed: Call a POISON CENTER or doctor/ physician. If eye irritation persists: 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: Call a POISON CENTER or doctor/ physician if you feel unwell. IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. If skin irritation or rash occurs: Get medical advice/ attention. Specific treatment (see supplemental first aid instructions on this label). Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local regulation.
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**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	Haz-ardous
123-86-4	n-butyl acetate	10 - 20%	✓	
64742-48-9	Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	10 - 20%	✓	
13463-67-7	Titanium dioxide	10 - 20%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	10 - 20%	✓	
7631-86-9	amorphous Silica	1 - 3%		
64742-94-5	Solvent naphtha (petroleum), heavy arom.	1 - 3%	✓	
108-88-3	toluene	1 - 3%	✓	
1330-20-7	xylene	1 - 3%	✓	
95-63-6	1,2,4-trimethylbenzene	0.3 - 1.0%	✓	
21645-51-2	aluminium hydroxide	0.3 - 1.0%		
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
108-67-8	mesitylene	0.1 - 0.3%	✓	
1309-37-1	Iron oxide	0.1 - 0.3%	✓	
1317-65-3	Limestone (calcium carbonate)	0.1 - 0.3%		
27253-32-3	Manganese neodecanoate	0.1 - 0.3%		
96-29-7	2-butanone oxime	0.1 - 0.3%	✓	



CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
91-20-3	Naphthalene	0.1 - 0.3%	✓	
111-65-9	octane	0.1 - 0.3%	✓	
22464-99-9	Zirconium octoate	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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>
Titanium dioxide	TWA	10 mg/m <sup>3</sup>
amorphous Silica	TWA	10 mg/m <sup>3</sup>
toluene	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
xylene	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>
1,2,4-trimethylbenzene	TWA	25 ppm





## Chemical Name

	TWA	123 mg/m3
aluminium hydroxide	TWA	2 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
Iron oxide	TWA	5 mg/m3
Limestone (calcium carbonate)	TWA	10 mg/m3
Manganese neodecanoate	TWA	1 mg/m3
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m3
	TWA	52 mg/m3
octane	TWA	300 ppm
	STEL	375 ppm
	STEL	1,750 mg/m3
	TWA	1,400 mg/m3
Zirconium octoate	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
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	116 °C	
Flash point	10 °C	
Evapouration rate	Slower than Ether	
Flammability		
Upper explosion limit	10.2 %	
Lower explosion limit	0.5 %	
Vapour pressure	5.7 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.08 g/cm <sup>3</sup>	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**

not hazardous

**Acute dermal toxicity**

Not classified according to GHS criteria

**Acute inhalation toxicity**

Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	Category 4
low boiling point naphtha (<0,1% benzene)	Category 4
toluene	Category 5
xylene	Category 4
1,2,4-trimethylbenzene	Category 4
ethylbenzene	Category 4
2-butanone oxime	Category 4

% of unknown composition 0 %

**Skin corrosion/irritation**

n-butyl acetate	Category 3
Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	Category 3
low boiling point naphtha (<0,1% benzene)	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
toluene	Category 2
xylene	Category 2
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 3
mesitylene	Category 3
Iron oxide	Category 2
2-butanone oxime	Category 3
Naphthalene	Category 3
octane	Category 2

**Serious eye damage/eye irritation**

low boiling point naphtha (<0,1% benzene)	Category 2A
toluene	Category 2B
xylene	Category 2
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 2B



mesitylene	Category 2A
Iron oxide	Category 1
2-butanone oxime	Category 1
Naphthalene	Category 2A
octane	Category 2A

**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  
Naphthalene Category 2

**Toxicity for reproduction**

toluene Category 2

**Target Organ Systemic Toxicant - Single exposure**

- **Skin Absorption**

**Narcotic effects** toluene

- **Inhalation**

**Respiratory tract irritation** octane

**airway sensitivity** octane

**Narcotic effects** octane

**Respiratory system** 1,2,4-trimethylbenzene

**Central nervous system** low boiling point naphtha (<0,1% benzene), 1,2,4-trimethylbenzene, octane

**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**

n-butyl acetate	Category 3
Titanium dioxide	Category 3
toluene	Category 2
xylene	Category 3
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 2
mesitylene	Category 2
Iron oxide	Category 3
2-butanone oxime	Category 3
Naphthalene	Category 1
octane	Category 1

% of unknown composition 15.1%

**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: 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 - Single exposure	Category 6.9B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9A
Flammable liquids	Category 3.1B
Acute aquatic toxicity	Category 9.1C

**16. Other information**

## Revision Note

Version	Changes
1.0	

Revision Date: 2013-08-26  
2419-DR404

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

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

<b>Product name</b>	NASCO FP GM-12 WHITE
<b>Product code</b>	419-24
<b>reference number</b>	419-24
<b>Intended use of the substance/preparation</b> Coating for professional use	
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency telephone number	NZ Poisons Information Centre Ph: 0800 764 766 24-hour Emergency Number: (64)-9526 2501
Importer	Resene Paints Ltd.
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2013-08-28

## 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 - Single exposure	Category 6.9B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9A
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 causing cancer.  
Suspected of damaging fertility or the unborn child.  
Causes damage to organs.  
Causes damage to organs through prolonged or repeated exposure.  
Harmful to aquatic life.



Precautionary statements	Contaminated work clothing should not be allowed out of the workplace. Keep container tightly closed. Avoid release to the environment. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Do not eat, drink or smoke when using this product. Ground/bond container and receiving equipment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Take precautionary measures against static discharge. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Wash hands after handling. Wear protective gloves/ eye protection/ face protection. IF exposed: Call a POISON CENTER or doctor/ physician. If eye irritation persists: 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: Call a POISON CENTER or doctor/ physician if you feel unwell. IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. If skin irritation or rash occurs: Get medical advice/ attention. Specific treatment (see supplemental first aid instructions on this label). Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local regulation.
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**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	Haz-ardous
123-86-4	n-butyl acetate	10 - 20%	✓	
64742-48-9	Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	10 - 20%	✓	
13463-67-7	Titanium dioxide	10 - 20%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	10 - 20%	✓	
7631-86-9	amorphous Silica	1 - 3%		
64742-94-5	Solvent naphtha (petroleum), heavy arom.	1 - 3%	✓	
108-88-3	toluene	1 - 3%	✓	
1330-20-7	xylene	1 - 3%	✓	
95-63-6	1,2,4-trimethylbenzene	0.3 - 1.0%	✓	
21645-51-2	aluminium hydroxide	0.3 - 1.0%		
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
108-67-8	mesitylene	0.1 - 0.3%	✓	
1317-65-3	Limestone (calcium carbonate)	0.1 - 0.3%		
27253-32-3	Manganese neodecanoate	0.1 - 0.3%		
96-29-7	2-butanone oxime	0.1 - 0.3%	✓	
91-20-3	Naphthalene	0.1 - 0.3%	✓	





CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
111-65-9	octane	0.1 - 0.3%	√	
22464-99-9	Zirconium octoate	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 (CO<sub>2</sub>), 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
Titanium dioxide	TWA	10 mg/m3
	TWA	10 mg/m3
amorphous Silica	TWA	10 mg/m3
	TWA	50 ppm
toluene	TWA	188 mg/m3
	TWA	50 ppm
xylene	TWA	217 mg/m3
	TWA	25 ppm
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m3



Chemical Name		
aluminium hydroxide	TWA	2 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
Limestone (calcium carbonate)	TWA	10 mg/m3
Manganese neodecanoate	TWA	1 mg/m3
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m3
	TWA	52 mg/m3
octane	TWA	300 ppm
	STEL	375 ppm
	STEL	1,750 mg/m3
	TWA	1,400 mg/m3
Zirconium octoate	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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 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: white    Odour: Characteristic Paint Odor    Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	116 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.2 %	
Lower explosion limit	0.5 %	
Vapour pressure	5.8 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.08 g/cm <sup>3</sup>	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

not hazardous

#### Acute dermal toxicity

Not classified according to GHS criteria

#### Acute inhalation toxicity

Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	Category 4
low boiling point naphtha (<0,1% benzene)	Category 4
toluene	Category 5
xylene	Category 4
1,2,4-trimethylbenzene	Category 4
ethylbenzene	Category 4
2-butanone oxime	Category 4

% of unknown composition 0 %

#### Skin corrosion/irritation

n-butyl acetate	Category 3
Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	Category 3
low boiling point naphtha (<0,1% benzene)	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
toluene	Category 2
xylene	Category 2
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 3
mesitylene	Category 3
2-butanone oxime	Category 3
Naphthalene	Category 3
octane	Category 2

#### Serious eye damage/eye irritation

low boiling point naphtha (<0,1% benzene)	Category 2A
toluene	Category 2B
xylene	Category 2
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 2B
mesitylene	Category 2A
2-butanone oxime	Category 1
Naphthalene	Category 2A
octane	Category 2A

**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  
Naphthalene Category 2**Toxicity for reproduction**

toluene Category 2

**Target Organ Systemic Toxicant - Single exposure**• **Skin Absorption**

Narcotic effects toluene

• **Inhalation**

Respiratory tract irritation octane

airway sensitivity octane

Narcotic effects octane

Respiratory system 1,2,4-trimethylbenzene

Central nervous system low boiling point naphtha (&lt;0,1% benzene), 1,2,4-trimethylbenzene, octane

**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**

n-butyl acetate	Category 3
Titanium dioxide	Category 3
toluene	Category 2
xylene	Category 3
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 2
mesitylene	Category 2
2-butanone oxime	Category 3
Naphthalene	Category 1
octane	Category 1

% of unknown composition 15.9%

**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: 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 - Single exposure	Category 6.9B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9A
Flammable liquids	Category 3.1B
Acute aquatic toxicity	Category 9.1C

## 16. Other information

Revision Note

Version	Changes
1.0	

Revision Date: 2013-08-26  
1250003610

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



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

<b>Product name</b>	NASCO FP STERLING MET
<b>Product code</b>	419-25
<b>reference number</b>	419-25
<b>Intended use of the substance/preparation</b> Coating for professional use	
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency telephone number	NZ Poisons Information Centre Ph: 0800 764 766 24-hour Emergency Number: (64)-9526 2501
Importer	Resene Paints Ltd.
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2013-08-28

## 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 - Single exposure	Category 6.9B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9A
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 causing cancer.  
Suspected of damaging fertility or the unborn child.  
Causes damage to organs.  
Causes damage to organs through prolonged or repeated exposure.  
Harmful to aquatic life.



Precautionary statements	Contaminated work clothing should not be allowed out of the workplace. Keep container tightly closed. Avoid release to the environment. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Do not eat, drink or smoke when using this product. Ground/bond container and receiving equipment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Take precautionary measures against static discharge. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Wash hands after handling. Wear protective gloves/ eye protection/ face protection. IF exposed: Call a POISON CENTER or doctor/ physician. If eye irritation persists: 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: Call a POISON CENTER or doctor/ physician if you feel unwell. IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. If skin irritation or rash occurs: Get medical advice/ attention. Specific treatment (see supplemental first aid instructions on this label). Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local regulation.
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**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	Haz-ardous
8032-32-4	low boiling point naphtha (<0,1% benzene)	20 - 30%	✓	
64742-48-9	Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	10 - 20%	✓	
123-86-4	n-butyl acetate	5 - 10%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	1 - 3%	✓	
108-88-3	toluene	1 - 3%	✓	
1330-20-7	xylene	1 - 3%	✓	
95-63-6	1,2,4-trimethylbenzene	0.3 - 1.0%	✓	
7429-90-5	aluminium powder (stabilized)	0.3 - 1.0%	✓	
8052-41-3	stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	0.3 - 1.0%	✓	
108-67-8	mesitylene	0.1 - 0.3%	✓	
100-41-4	ethylbenzene	0.1 - 0.3%	✓	
142-82-5	heptane (mixture of isomers)	0.1 - 0.3%	✓	
1317-65-3	Limestone (calcium carbonate)	0.1 - 0.3%		
27253-32-3	Manganese neodecanoate	0.1 - 0.3%		
96-29-7	2-butanone oxime	0.1 - 0.3%	✓	
91-20-3	Naphthalene	0.1 - 0.3%	✓	



CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
111-65-9	octane	0.1 - 0.3%	✓	
22464-99-9	Zirconium octoate	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 (CO<sub>2</sub>), 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/m3
toluene	TWA	713 mg/m3
	TWA	50 ppm
xylene	TWA	188 mg/m3
	TWA	50 ppm
1,2,4-trimethylbenzene	TWA	217 mg/m3
	TWA	25 ppm
aluminium powder (stabilized)	TWA	123 mg/m3
	TWA	5 mg/m3
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	TWA	100 ppm



## Chemical Name

	TWA	525 mg/m3
mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m3
ethylbenzene	TWA	123 mg/m3
	TWA	100 ppm
	STEL	125 ppm
heptane (mixture of isomers)	STEL	543 mg/m3
	TWA	434 mg/m3
	TWA	400 ppm
	STEL	500 ppm
Limestone (calcium carbonate)	STEL	2,050 mg/m3
	TWA	1,640 mg/m3
	TWA	10 mg/m3
Manganese neodecanoate	TWA	1 mg/m3
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m3
octane	TWA	52 mg/m3
	TWA	300 ppm
	STEL	375 ppm
	STEL	1,750 mg/m3
Zirconium octoate	TWA	1,400 mg/m3
	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
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	116 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.2 %	
Lower explosion limit	0.5 %	
Vapour pressure	7.8 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	0.89 g/cm <sup>3</sup>	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**

not hazardous

**Acute dermal toxicity**

Not classified according to GHS criteria

**Acute inhalation toxicity**

low boiling point naphtha (<0,1% benzene)	Category 4
Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	Category 4
toluene	Category 5
xylene	Category 4
1,2,4-trimethylbenzene	Category 4
ethylbenzene	Category 4
2-butanone oxime	Category 4

% of unknown composition 0 %

**Skin corrosion/irritation**

low boiling point naphtha (<0,1% benzene)	Category 2
Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	Category 3
n-butyl acetate	Category 3
Solvent naphtha (petroleum), heavy arom.	Category 2
toluene	Category 2
xylene	Category 2
1,2,4-trimethylbenzene	Category 2
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 2
mesitylene	Category 3
ethylbenzene	Category 3
heptane (mixture of isomers)	Category 2
2-butanone oxime	Category 3
Naphthalene	Category 3
octane	Category 2

**Serious eye damage/eye irritation**

low boiling point naphtha (<0,1% benzene)	Category 2A
toluene	Category 2B
xylene	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2A
ethylbenzene	Category 2B
heptane (mixture of isomers)	Category 2A
2-butanone oxime	Category 1
Naphthalene	Category 2A
octane	Category 2A

**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  
Naphthalene Category 2**Toxicity for reproduction**

toluene Category 2

**Target Organ Systemic Toxicant - Single exposure**• **Skin Absorption****Narcotic effects** toluene• **Inhalation****Respiratory tract irritation** octane**airway sensitivity** octane**Narcotic effects** octane**Respiratory system** 1,2,4-trimethylbenzene**Central nervous system** low boiling point naphtha (<0,1% benzene), 1,2,4-trimethylbenzene, octane**reproductive organs** heptane (mixture of isomers)**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

n-butyl acetate	Category 3
toluene	Category 2
xylene	Category 3
1,2,4-trimethylbenzene	Category 2
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 1
mesitylene	Category 2
ethylbenzene	Category 2
heptane (mixture of isomers)	Category 1
2-butanone oxime	Category 3
Naphthalene	Category 1
octane	Category 1

% of unknown composition 26.4%

### 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	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 - Single exposure	Category 6.9B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9A
Flammable liquids	Category 3.1B
Acute aquatic toxicity	Category 9.1C

**16. Other information**

## Revision Note

Version	Changes
1.0	

Revision Date: 2013-08-26  
2419-DR441

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

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

<b>Product name</b>	419-26 NASCO FP PEWTER MET
<b>Product code</b>	419-26
<b>reference number</b>	419-26
<b>Intended use of the substance/preparation</b> Coating for professional use	
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency telephone number	NZ Poisons Information Centre Ph: 0800 764 766 24-hour Emergency Number: (64)-9526 2501
Importer	Resene Paints Ltd.
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2013-08-28

## 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 - Single exposure	Category 6.9B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9A
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 causing cancer.  
Suspected of damaging fertility or the unborn child.  
Causes damage to organs.  
Causes damage to organs through prolonged or repeated exposure.  
Harmful to aquatic life.



Precautionary statements	Contaminated work clothing should not be allowed out of the workplace. Keep container tightly closed. Avoid release to the environment. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Do not eat, drink or smoke when using this product. Ground/bond container and receiving equipment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Take precautionary measures against static discharge. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Wash hands after handling. Wear protective gloves/ eye protection/ face protection. IF exposed: Call a POISON CENTER or doctor/ physician. If eye irritation persists: 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: Call a POISON CENTER or doctor/ physician if you feel unwell. IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. If skin irritation or rash occurs: Get medical advice/ attention. Specific treatment (see supplemental first aid instructions on this label). Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local regulation.
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**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	Haz-ardous
8032-32-4	low boiling point naphtha (<0,1% benzene)	20 - 30%	✓	
64742-48-9	Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	10 - 20%	✓	
123-86-4	n-butyl acetate	5 - 10%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	1 - 3%	✓	
108-88-3	toluene	1 - 3%	✓	
1330-20-7	xylene	1 - 3%	✓	
95-63-6	1,2,4-trimethylbenzene	0.3 - 1.0%	✓	
7429-90-5	aluminium powder (stabilized)	0.3 - 1.0%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
108-67-8	mesitylene	0.1 - 0.3%	✓	
1333-86-4	carbon black	0.1 - 0.3%		
142-82-5	heptane (mixture of isomers)	0.1 - 0.3%	✓	
1317-65-3	Limestone (calcium carbonate)	0.1 - 0.3%		
27253-32-3	Manganese neodecanoate	0.1 - 0.3%		
96-29-7	2-butanone oxime	0.1 - 0.3%	✓	
91-20-3	Naphthalene	0.1 - 0.3%	✓	



CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
111-65-9	octane	0.1 - 0.3%	✓	
8052-41-3	stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	0.1 - 0.3%	✓	
22464-99-9	Zirconium octoate	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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>
toluene	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
xylene	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m <sup>3</sup>
aluminium powder (stabilized)	TWA	5 mg/m <sup>3</sup>



## Chemical Name

ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m3
mesitylene	TWA	434 mg/m3
	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m3
carbon black	TWA	123 mg/m3
	TWA	3 mg/m3
	TWA	400 ppm
	STEL	500 ppm
heptane (mixture of isomers)	STEL	2,050 mg/m3
	TWA	1,640 mg/m3
	TWA	10 mg/m3
	TWA	1 mg/m3
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m3
octane	TWA	52 mg/m3
	TWA	300 ppm
	STEL	375 ppm
	STEL	1,750 mg/m3
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	TWA	1,400 mg/m3
	TWA	100 ppm
	TWA	525 mg/m3
Zirconium octoate	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
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: gold    Odour: Characteristic Paint Odor    Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	116 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.2 %	
Lower explosion limit	0.5 %	
Vapour pressure	7.8 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	0.89 g/cm <sup>3</sup>	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**

not hazardous

**Acute dermal toxicity**

Not classified according to GHS criteria

**Acute inhalation toxicity**

low boiling point naphtha (<0,1% benzene)	Category 4
Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	Category 4
toluene	Category 5
xylene	Category 4
1,2,4-trimethylbenzene	Category 4
ethylbenzene	Category 4
2-butanone oxime	Category 4

% of unknown composition 0 %

**Skin corrosion/irritation**

low boiling point naphtha (<0,1% benzene)	Category 2
Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	Category 3
n-butyl acetate	Category 3
Solvent naphtha (petroleum), heavy arom.	Category 2
toluene	Category 2
xylene	Category 2
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 3
mesitylene	Category 3
heptane (mixture of isomers)	Category 2
2-butanone oxime	Category 3
Naphthalene	Category 3
octane	Category 2
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 2

**Serious eye damage/eye irritation**

low boiling point naphtha (<0,1% benzene)	Category 2A
toluene	Category 2B
xylene	Category 2
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 2B
mesitylene	Category 2A
heptane (mixture of isomers)	Category 2A
2-butanone oxime	Category 1
Naphthalene	Category 2A
octane	Category 2A

**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  
Naphthalene Category 2**Toxicity for reproduction**

toluene Category 2

**Target Organ Systemic Toxicant - Single exposure**• **Skin Absorption****Narcotic effects** toluene• **Inhalation****Respiratory tract irritation** octane**airway sensitivity** octane**Narcotic effects** octane**Respiratory system** 1,2,4-trimethylbenzene**Central nervous system** low boiling point naphtha (<0,1% benzene), 1,2,4-trimethylbenzene, octane**reproductive organs** heptane (mixture of isomers)**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

n-butyl acetate	Category 3
toluene	Category 2
xylene	Category 3
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 2
mesitylene	Category 2
heptane (mixture of isomers)	Category 1
2-butanone oxime	Category 3
Naphthalene	Category 1
octane	Category 1
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 1

% of unknown composition 25.9%

### 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: 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 - Single exposure	Category 6.9B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9A
Flammable liquids	Category 3.1B
Acute aquatic toxicity	Category 9.1C

## 16. Other information

## Revision Note

Version	Changes
1.0	
Revision Date:	2013-08-26
2419-DR443	

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

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

<b>Product name</b>	NASCO FP BRIAR BROWN MET
<b>Product code</b>	419-49
<b>reference number</b>	419-49
<b>Intended use of the substance/preparation</b> Coating for professional use	
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency telephone number	NZ Poisons Information Centre Ph: 0800 764 766 24-hour Emergency Number: (64)-9526 2501
Importer	Resene Paints Ltd.
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2013-08-28

## 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 - Single exposure	Category 6.9B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9A
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 causing cancer.  
Suspected of damaging fertility or the unborn child.  
Causes damage to organs.  
Causes damage to organs through prolonged or repeated exposure.  
Harmful to aquatic life.



Precautionary statements	Contaminated work clothing should not be allowed out of the workplace. Keep container tightly closed. Avoid release to the environment. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Do not eat, drink or smoke when using this product. Ground/bond container and receiving equipment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Take precautionary measures against static discharge. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Wash hands after handling. Wear protective gloves/ eye protection/ face protection. IF exposed: Call a POISON CENTER or doctor/ physician. If eye irritation persists: 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: Call a POISON CENTER or doctor/ physician if you feel unwell. IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. If skin irritation or rash occurs: Get medical advice/ attention. Specific treatment (see supplemental first aid instructions on this label). Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local regulation.
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**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	Haz-ardous
8032-32-4	low boiling point naphtha (<0,1% benzene)	20 - 30%	✓	
64742-48-9	Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	10 - 20%	✓	
123-86-4	n-butyl acetate	5 - 10%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	1 - 3%	✓	
108-88-3	toluene	1 - 3%	✓	
1330-20-7	xylene	1 - 3%	✓	
95-63-6	1,2,4-trimethylbenzene	0.3 - 1.0%	✓	
7429-90-5	aluminium powder (stabilized)	0.3 - 1.0%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
108-67-8	mesitylene	0.1 - 0.3%	✓	
142-82-5	heptane (mixture of isomers)	0.1 - 0.3%	✓	
1309-37-1	Iron oxide	0.1 - 0.3%	✓	
1317-65-3	Limestone (calcium carbonate)	0.1 - 0.3%		
27253-32-3	Manganese neodecanoate	0.1 - 0.3%		
96-29-7	2-butanone oxime	0.1 - 0.3%	✓	
91-20-3	Naphthalene	0.1 - 0.3%	✓	



CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
111-65-9	octane	0.1 - 0.3%	√	
22464-99-9	Zirconium octoate	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 (CO<sub>2</sub>), 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/m3
toluene	TWA	713 mg/m3
	TWA	50 ppm
xylene	TWA	188 mg/m3
	TWA	50 ppm
	TWA	217 mg/m3
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m3
aluminium powder (stabilized)	TWA	5 mg/m3
ethylbenzene	TWA	100 ppm





Chemical Name		
	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
heptane (mixture of isomers)	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m3
	TWA	1,640 mg/m3
Iron oxide	TWA	5 mg/m3
Limestone (calcium carbonate)	TWA	10 mg/m3
Manganese neodecanoate	TWA	1 mg/m3
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m3
	TWA	52 mg/m3
octane	TWA	300 ppm
	STEL	375 ppm
	STEL	1,750 mg/m3
	TWA	1,400 mg/m3
Zirconium octoate	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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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	116 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.2 %	
Lower explosion limit	0.5 %	
Vapour pressure	7.6 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	0.89 g/cm <sup>3</sup>	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**

not hazardous

**Acute dermal toxicity**

Not classified according to GHS criteria

**Acute inhalation toxicity**

low boiling point naphtha (<0,1% benzene)	Category 4
Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	Category 4
toluene	Category 5
xylene	Category 4
1,2,4-trimethylbenzene	Category 4
ethylbenzene	Category 4
2-butanone oxime	Category 4

% of unknown composition 0 %

**Skin corrosion/irritation**

low boiling point naphtha (<0,1% benzene)	Category 2
Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	Category 3
n-butyl acetate	Category 3
Solvent naphtha (petroleum), heavy arom.	Category 2
toluene	Category 2
xylene	Category 2
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 3
mesitylene	Category 3
heptane (mixture of isomers)	Category 2
Iron oxide	Category 2
2-butanone oxime	Category 3
Naphthalene	Category 3
octane	Category 2

**Serious eye damage/eye irritation**

low boiling point naphtha (<0,1% benzene)	Category 2A
toluene	Category 2B
xylene	Category 2
1,2,4-trimethylbenzene	Category 2



ethylbenzene	Category 2B
mesitylene	Category 2A
heptane (mixture of isomers)	Category 2A
Iron oxide	Category 1
2-butanone oxime	Category 1
Naphthalene	Category 2A
octane	Category 2A

**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  
Naphthalene Category 2**Toxicity for reproduction**

toluene Category 2

**Target Organ Systemic Toxicant - Single exposure**• **Skin Absorption****Narcotic effects** toluene• **Inhalation****Respiratory tract irritation** octane**airway sensitivity** octane**Narcotic effects** octane**Respiratory system** 1,2,4-trimethylbenzene**Central nervous system** low boiling point naphtha (<0,1% benzene), 1,2,4-trimethylbenzene, octane**reproductive organs** heptane (mixture of isomers)**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

n-butyl acetate	Category 3
toluene	Category 2
xylene	Category 3
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 2
mesitylene	Category 2
heptane (mixture of isomers)	Category 1
Iron oxide	Category 3
2-butanone oxime	Category 3
Naphthalene	Category 1
octane	Category 1

% of unknown composition 25.7%

### 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: 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 - Single exposure	Category 6.9B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9A
Flammable liquids	Category 3.1B
Acute aquatic toxicity	Category 9.1C

**16. Other information**

## Revision Note

Version	Changes
1.0	

Revision Date: 2013-08-26  
2419-DR432

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

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

<b>Product name</b>	NASCO FP DIPLOMAT BLUE MET
<b>Product code</b>	419-55
<b>reference number</b>	419-55
<b>Intended use of the substance/preparation</b> Coating for professional use	
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency telephone number	NZ Poisons Information Centre Ph: 0800 764 766 24-hour Emergency Number: (64)-9526 2501
Importer	Resene Paints Ltd.
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2013-08-28

## 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 - Single exposure	Category 6.9B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9A
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. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. Causes damage to organs. Causes damage to organs through prolonged or repeated exposure. Harmful to aquatic life.



Harmful to aquatic life with long lasting effects.

Precautionary statements	<p>Contaminated work clothing should not be allowed out of the workplace. Keep container tightly closed. Avoid release to the environment. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Do not eat, drink or smoke when using this product. Ground/bond container and receiving equipment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Take precautionary measures against static discharge. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Wash hands after handling. Wear protective gloves/ eye protection/ face protection. IF exposed: Call a POISON CENTER or doctor/ physician. If eye irritation persists: 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: Call a POISON CENTER or doctor/ physician if you feel unwell. IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. If skin irritation or rash occurs: Get medical advice/ attention. Specific treatment (see supplemental first aid instructions on this label). Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local regulation.</p>
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**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-
8032-32-4	low boiling point naphtha (<0,1% benzene)	20 - 30%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
64742-48-9	Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	10 - 20%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	1 - 3%	✓	
142-82-5	heptane (mixture of isomers)	1 - 3%	✓	
108-88-3	toluene	1 - 3%	✓	
1330-20-7	xylene	1 - 3%	✓	
95-63-6	1,2,4-trimethylbenzene	0.3 - 1.0%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
108-67-8	mesitylene	0.1 - 0.3%	✓	
7429-90-5	aluminium powder (stabilized)	0.1 - 0.3%	✓	
1333-86-4	carbon black	0.1 - 0.3%		
1317-65-3	Limestone (calcium carbonate)	0.1 - 0.3%		
27253-32-3	Manganese neodecanoate	0.1 - 0.3%		
96-29-7	2-butanone oxime	0.1 - 0.3%	✓	





CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
91-20-3	Naphthalene	0.1 - 0.3%	✓	
111-65-9	octane	0.1 - 0.3%	✓	
22464-99-9	Zirconium octoate	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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>
heptane (mixture of isomers)	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m <sup>3</sup>
	TWA	1,640 mg/m <sup>3</sup>
toluene	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
xylene	TWA	50 ppm



## Chemical Name

	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
aluminium powder (stabilized)	TWA	5 mg/m3
carbon black	TWA	3 mg/m3
Limestone (calcium carbonate)	TWA	10 mg/m3
Manganese neodecanoate	TWA	1 mg/m3
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m3
	TWA	52 mg/m3
octane	TWA	300 ppm
	STEL	375 ppm
	STEL	1,750 mg/m3
	TWA	1,400 mg/m3
Zirconium octoate	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
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    Odour: Characteristic Paint Odor    Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	116 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.2 %	
Lower explosion limit	0.5 %	
Vapour pressure	8.8 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	0.9 g/cm <sup>3</sup>	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**

low boiling point naphtha (<0,1% benzene)	Category 4
Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	Category 4
toluene	Category 5
xylene	Category 4
1,2,4-trimethylbenzene	Category 4
ethylbenzene	Category 4
2-butanone oxime	Category 4

% of unknown composition 0 %

**Skin corrosion/irritation**

low boiling point naphtha (<0,1% benzene)	Category 2
n-butyl acetate	Category 3
Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	Category 3
Solvent naphtha (petroleum), heavy arom.	Category 2
heptane (mixture of isomers)	Category 2
toluene	Category 2
xylene	Category 2
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 3
mesitylene	Category 3
2-butanone oxime	Category 3
Naphthalene	Category 3
octane	Category 2

**Serious eye damage/eye irritation**

low boiling point naphtha (<0,1% benzene)	Category 2A
heptane (mixture of isomers)	Category 2A
toluene	Category 2B
xylene	Category 2
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 2B
mesitylene	Category 2A
2-butanone oxime	Category 1
Naphthalene	Category 2A
octane	Category 2A

**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  
Naphthalene Category 2**Toxicity for reproduction**

toluene Category 2

**Target Organ Systemic Toxicant - Single exposure**• **Skin Absorption****Narcotic effects** toluene• **Inhalation****Respiratory tract irritation** octane**airway sensitivity** octane**Narcotic effects** octane**Respiratory system** 1,2,4-trimethylbenzene**Central nervous system** low boiling point naphtha (<0,1% benzene), 1,2,4-trimethylbenzene, octane**reproductive organs** heptane (mixture of isomers)**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

n-butyl acetate	Category 3
heptane (mixture of isomers)	Category 1
toluene	Category 2
xylene	Category 3
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 2
mesitylene	Category 2
2-butanone oxime	Category 3
Naphthalene	Category 1
octane	Category 1

### Chronic aquatic toxicity

Solvent naphtha (petroleum), heavy arom.	Category 2
heptane (mixture of isomers)	Category 1
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
aluminium powder (stabilized)	Category 4
Naphthalene	Category 1
octane	Category 1

% of unknown composition 23.8%

### 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: 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	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 - Single exposure	Category 6.9B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9A
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: 2013-08-26  
2419-DR431

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



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

<b>Product name</b>	419-63 Nasco FP Striking Silver Met
<b>Product code</b>	419-63
<b>Intended use of the substance/preparation</b>	Coating for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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
Carcinogenicity	Category 6.7B
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	<p>Highly flammable liquid and vapour. Causes mild skin 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.</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. 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: 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-
8032-32-4	low boiling point naphtha (<0,1% benzene)	20 - 30%	✓	
64742-48-9	Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	10 - 20%	✓	
123-86-4	n-butyl acetate	5 - 10%	✓	
7429-90-5	aluminium powder (stabilized)	1 - 3%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	1 - 3%	✓	
108-88-3	toluene	1 - 3%	✓	
95-63-6	1,2,4-trimethylbenzene	0.3 - 1.0%	✓	
1330-20-7	xylene	0.3 - 1.0%	✓	
108-67-8	mesitylene	0.1 - 0.3%	✓	
100-41-4	ethylbenzene	0.1 - 0.3%	✓	
142-82-5	heptane (mixture of isomers)	0.1 - 0.3%	✓	
1317-65-3	Limestone (calcium carbonate)	0.1 - 0.3%		
27253-32-3	Manganese neodecanoate	0.1 - 0.3%		
96-29-7	2-butanone oxime	0.1 - 0.3%	✓	
91-20-3	Naphthalene	0.1 - 0.3%	✓	
111-65-9	octane	0.1 - 0.3%	✓	
22464-99-9	Zirconium octoate	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 (CO<sub>2</sub>), 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 <sup>3</sup>
aluminium powder (stabilized)	TWA	713 mg/m <sup>3</sup>
	TWA	5 mg/m <sup>3</sup>
toluene	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m <sup>3</sup>
xylene	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>
mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m <sup>3</sup>
ethylbenzene	TWA	123 mg/m <sup>3</sup>
	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m <sup>3</sup>
	TWA	434 mg/m <sup>3</sup>

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 Chemical Name
 

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heptane (mixture of isomers)	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m <sup>3</sup>
	TWA	1,640 mg/m <sup>3</sup>
Limestone (calcium carbonate)	TWA	10 mg/m <sup>3</sup>
Manganese neodecanoate	TWA	1 mg/m <sup>3</sup>
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m <sup>3</sup>
	TWA	52 mg/m <sup>3</sup>
octane	TWA	300 ppm
	STEL	375 ppm
	STEL	1,750 mg/m <sup>3</sup>
	TWA	1,400 mg/m <sup>3</sup>
Zirconium octoate	STEL	10 mg/m <sup>3</sup>
	TWA	5 mg/m <sup>3</sup>

**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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	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: silver    Odour: Characteristic Paint Odor    Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	116 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.5 %	
Vapour pressure	8.3 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	0.9 g/cm <sup>3</sup>	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**

not hazardous

**Acute dermal toxicity**

Not classified according to GHS criteria

**Acute inhalation toxicity**

not hazardous

% of unknown composition 0 %

**Skin corrosion/irritation**

low boiling point naphtha (<0,1% benzene)	Category 2
Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	Category 3
n-butyl acetate	Category 3
Solvent naphtha (petroleum), heavy arom.	Category 2
toluene	Category 2
1,2,4-trimethylbenzene	Category 2
xylene	Category 2
mesitylene	Category 3
ethylbenzene	Category 3
heptane (mixture of isomers)	Category 2
2-butanone oxime	Category 3
octane	Category 2

**Serious eye damage/eye irritation**

Not classified according to GHS criteria

**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**

low boiling point naphtha (<0,1% benzene)	Category 1B
2-butanone oxime	Category 2
Naphthalene	Category 2

**Toxicity for reproduction**

toluene	Category 2
Zirconium octoate	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**

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	HSR002669
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
Carcinogenicity	Category 6.7B
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: 2015-01-29  
2419- 2163

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

End of Safety Data Sheet

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

<b>Product name</b>	419-75 NASCO FP CANDY RED
<b>Product code</b>	419-75
<b>reference number</b>	419-75
<b>Intended use of the substance/preparation</b> Coating for professional use	
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency telephone number	NZ Poisons Information Centre Ph: 0800 764 766 24-hour Emergency Number: (64)-9526 2501
Importer	Resene Paints Ltd.
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2013-08-28

## 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 - Single exposure	Category 6.9B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9A
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 causing cancer.  
Suspected of damaging fertility or the unborn child.  
Causes damage to organs.  
Causes damage to organs through prolonged or repeated exposure.  
Harmful to aquatic life.



Precautionary statements	Contaminated work clothing should not be allowed out of the workplace. Keep container tightly closed. Avoid release to the environment. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Do not eat, drink or smoke when using this product. Ground/bond container and receiving equipment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Take precautionary measures against static discharge. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Wash hands after handling. Wear protective gloves/ eye protection/ face protection. IF exposed: Call a POISON CENTER or doctor/ physician. If eye irritation persists: 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: Call a POISON CENTER or doctor/ physician if you feel unwell. IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. If skin irritation or rash occurs: Get medical advice/ attention. Specific treatment (see supplemental first aid instructions on this label). Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local regulation.
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**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	Haz-ardous
8032-32-4	low boiling point naphtha (<0,1% benzene)	20 - 30%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
64742-48-9	Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	10 - 20%	✓	
1047-16-1	Quinacridone pigment	3 - 5%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	1 - 3%	✓	
108-88-3	toluene	1 - 3%	✓	
1330-20-7	xylene	1 - 3%	✓	
95-63-6	1,2,4-trimethylbenzene	0.3 - 1.0%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
108-67-8	mesitylene	0.1 - 0.3%	✓	
98-82-8	cumene	0.1 - 0.3%	✓	
1317-65-3	Limestone (calcium carbonate)	0.1 - 0.3%		
27253-32-3	Manganese neodecanoate	0.1 - 0.3%		
96-29-7	2-butanone oxime	0.1 - 0.3%	✓	
91-20-3	Naphthalene	0.1 - 0.3%	✓	
111-65-9	octane	0.1 - 0.3%	✓	



CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
22464-99-9	Zirconium octoate	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 (CO<sub>2</sub>), 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 <sup>3</sup>
toluene	TWA	713 mg/m <sup>3</sup>
	TWA	50 ppm
xylene	TWA	188 mg/m <sup>3</sup>
	TWA	50 ppm
1,2,4-trimethylbenzene	TWA	217 mg/m <sup>3</sup>
	TWA	25 ppm
ethylbenzene	TWA	123 mg/m <sup>3</sup>
	TWA	100 ppm
	STEL	125 ppm



Chemical Name		
	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
Limestone (calcium carbonate)	TWA	10 mg/m3
Manganese neodecanoate	TWA	1 mg/m3
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m3
	TWA	52 mg/m3
octane	TWA	300 ppm
	STEL	375 ppm
	STEL	1,750 mg/m3
	TWA	1,400 mg/m3
Zirconium octoate	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



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: red    Odour: Characteristic Paint Odor    Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	116 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.2 %	
Lower explosion limit	0.5 %	
Vapour pressure	7.3 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	0.91 g/cm <sup>3</sup>	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

not hazardous

#### Acute dermal toxicity

Not classified according to GHS criteria

#### Acute inhalation toxicity

low boiling point naphtha (<0,1% benzene)	Category 4
Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	Category 4
toluene	Category 5
xylene	Category 4
1,2,4-trimethylbenzene	Category 4
ethylbenzene	Category 4
2-butanone oxime	Category 4

% of unknown composition 0 %

#### Skin corrosion/irritation

low boiling point naphtha (<0,1% benzene)	Category 2
n-butyl acetate	Category 3
Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	Category 3
Quinacridone pigment	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
toluene	Category 2
xylene	Category 2
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 3
mesitylene	Category 3
2-butanone oxime	Category 3
Naphthalene	Category 3
octane	Category 2

#### Serious eye damage/eye irritation

low boiling point naphtha (<0,1% benzene)	Category 2A
toluene	Category 2B
xylene	Category 2
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 2B
mesitylene	Category 2A
2-butanone oxime	Category 1
Naphthalene	Category 2A
octane	Category 2A



**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  
Naphthalene Category 2**Toxicity for reproduction**

toluene Category 2

**Target Organ Systemic Toxicant - Single exposure**• **Skin Absorption**

Narcotic effects toluene

• **Inhalation**

Respiratory tract irritation octane

airway sensitivity octane

Narcotic effects octane

Respiratory system 1,2,4-trimethylbenzene, cumene

Central nervous system low boiling point naphtha (&lt;0,1% benzene), 1,2,4-trimethylbenzene, octane

**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**

n-butyl acetate	Category 3
toluene	Category 2
xylene	Category 3
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 2
mesitylene	Category 2
cumene	Category 2
2-butanone oxime	Category 3
Naphthalene	Category 1
octane	Category 1

% of unknown composition 23.6%

**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	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 - Single exposure	Category 6.9B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9A
Flammable liquids	Category 3.1B
Acute aquatic toxicity	Category 9.1C

## 16. Other information

Revision Note

Version	Changes
1.0	

Revision Date: 2013-08-26  
2419-DR421

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

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

<b>Product name</b>	NASCO CHERRY RED METALLIC
<b>Product code</b>	419-77
<b>reference number</b>	419-77
<b>Intended use of the substance/preparation</b> Coating for professional use	
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency telephone number	NZ Poisons Information Centre Ph: 0800 764 766 24-hour Emergency Number: (64)-9526 2501
Importer	Resene Paints Ltd.
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2013-08-28

## 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 - Single exposure	Category 6.9B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9A
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 causing cancer.  
Suspected of damaging fertility or the unborn child.  
Causes damage to organs.  
Causes damage to organs through prolonged or repeated exposure.  
Harmful to aquatic life.



Precautionary statements	Contaminated work clothing should not be allowed out of the workplace. Keep container tightly closed. Avoid release to the environment. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Do not eat, drink or smoke when using this product. Ground/bond container and receiving equipment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Take precautionary measures against static discharge. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Wash hands after handling. Wear protective gloves/ eye protection/ face protection. IF exposed: Call a POISON CENTER or doctor/ physician. If eye irritation persists: 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: Call a POISON CENTER or doctor/ physician if you feel unwell. IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. If skin irritation or rash occurs: Get medical advice/ attention. Specific treatment (see supplemental first aid instructions on this label). Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local regulation.
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**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	Haz-ardous
8032-32-4	low boiling point naphtha (<0,1% benzene)	20 - 30%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
64742-48-9	Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	10 - 20%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	1 - 3%	✓	
108-88-3	toluene	1 - 3%	✓	
1330-20-7	xylene	1 - 3%	✓	
95-63-6	1,2,4-trimethylbenzene	0.3 - 1.0%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
108-67-8	mesitylene	0.1 - 0.3%	✓	
7429-90-5	aluminium powder (stabilized)	0.1 - 0.3%	✓	
7727-43-7	barium sulphate, natural	0.1 - 0.3%		
142-82-5	heptane (mixture of isomers)	0.1 - 0.3%	✓	
1317-65-3	Limestone (calcium carbonate)	0.1 - 0.3%		
27253-32-3	Manganese neodecanoate	0.1 - 0.3%		
96-29-7	2-butanone oxime	0.1 - 0.3%	✓	
91-20-3	Naphthalene	0.1 - 0.3%	✓	



CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
111-65-9	octane	0.1 - 0.3%	√	
22464-99-9	Zirconium octoate	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 (CO<sub>2</sub>), 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
toluene	TWA	713 mg/m3
	TWA	50 ppm
xylene	TWA	188 mg/m3
	TWA	50 ppm
1,2,4-trimethylbenzene	TWA	217 mg/m3
	TWA	25 ppm
ethylbenzene	TWA	123 mg/m3
	TWA	100 ppm
	STEL	125 ppm



Chemical Name		
	STEL	543 mg/m3
	TWA	434 mg/m3
mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m3
	TWA	123 mg/m3
aluminium powder (stabilized)	TWA	5 mg/m3
barium sulphate, natural	TWA	10 mg/m3
heptane (mixture of isomers)	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m3
	TWA	1,640 mg/m3
Limestone (calcium carbonate)	TWA	10 mg/m3
Manganese neodecanoate	TWA	1 mg/m3
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m3
	TWA	52 mg/m3
octane	TWA	300 ppm
	STEL	375 ppm
	STEL	1,750 mg/m3
	TWA	1,400 mg/m3
Zirconium octoate	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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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	116 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.2 %	
Lower explosion limit	0.5 %	
Vapour pressure	7.9 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	0.92 g/cm <sup>3</sup>	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**

not hazardous

**Acute dermal toxicity**

Not classified according to GHS criteria

**Acute inhalation toxicity**

low boiling point naphtha (<0,1% benzene)	Category 4
Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	Category 4
toluene	Category 5
xylene	Category 4
1,2,4-trimethylbenzene	Category 4
ethylbenzene	Category 4
2-butanone oxime	Category 4

% of unknown composition 0 %

**Skin corrosion/irritation**

low boiling point naphtha (<0,1% benzene)	Category 2
n-butyl acetate	Category 3
Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	Category 3
Solvent naphtha (petroleum), heavy arom.	Category 2
toluene	Category 2
xylene	Category 2
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 3
mesitylene	Category 3
heptane (mixture of isomers)	Category 2
2-butanone oxime	Category 3
Naphthalene	Category 3
octane	Category 2

**Serious eye damage/eye irritation**

low boiling point naphtha (<0,1% benzene)	Category 2A
toluene	Category 2B
xylene	Category 2
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 2B



mesitylene	Category 2A
heptane (mixture of isomers)	Category 2A
2-butanone oxime	Category 1
Naphthalene	Category 2A
octane	Category 2A

**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  
Naphthalene Category 2**Toxicity for reproduction**

toluene Category 2

**Target Organ Systemic Toxicant - Single exposure**• **Skin Absorption****Narcotic effects** toluene• **Inhalation****Respiratory tract irritation** octane**airway sensitivity** octane**Narcotic effects** octane**Respiratory system** 1,2,4-trimethylbenzene**Central nervous system** low boiling point naphtha (<0,1% benzene), 1,2,4-trimethylbenzene, octane**reproductive organs** heptane (mixture of isomers)**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**

n-butyl acetate	Category 3
toluene	Category 2
xylene	Category 3
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 2
mesitylene	Category 2
heptane (mixture of isomers)	Category 1
2-butanone oxime	Category 3
Naphthalene	Category 1
octane	Category 1

% of unknown composition 26.6%

**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	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 - Single exposure	Category 6.9B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9A
Flammable liquids	Category 3.1B
Acute aquatic toxicity	Category 9.1C

**16. Other information**

## Revision Note

Version	Changes
1.0	
Revision Date:	2013-08-26
2419- 2177	

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

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

<b>Product name</b>	NASCO FP SWIFT RED
<b>Product code</b>	419-87
<b>reference number</b>	419-87
<b>Intended use of the substance/preparation</b> Coating for professional use	
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency telephone number	NZ Poisons Information Centre Ph: 0800 764 766 24-hour Emergency Number: (64)-9526 2501
Importer	Resene Paints Ltd.
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2013-08-28

## 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 - Single exposure	Category 6.9B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9A
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. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. Causes damage to organs. Causes damage to organs through prolonged or repeated exposure. Harmful to aquatic life.



Harmful to aquatic life with long lasting effects.

Precautionary statements	<p>Contaminated work clothing should not be allowed out of the workplace. Keep container tightly closed. Avoid release to the environment. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Do not eat, drink or smoke when using this product. Ground/bond container and receiving equipment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Take precautionary measures against static discharge. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Wash hands after handling. Wear protective gloves/ eye protection/ face protection. IF exposed: Call a POISON CENTER or doctor/ physician. If eye irritation persists: 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: Call a POISON CENTER or doctor/ physician if you feel unwell. IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. If skin irritation or rash occurs: Get medical advice/ attention. Specific treatment (see supplemental first aid instructions on this label). Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local regulation.</p>
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**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-
8032-32-4	low boiling point naphtha (<0,1% benzene)	20 - 30%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
64742-48-9	Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	10 - 20%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	3 - 5%	✓	
13463-67-7	Titanium dioxide	1 - 3%	✓	
108-88-3	toluene	1 - 3%	✓	
1330-20-7	xylene	1 - 3%	✓	
95-63-6	1,2,4-trimethylbenzene	0.3 - 1.0%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
142-82-5	heptane (mixture of isomers)	0.3 - 1.0%	✓	
1317-65-3	Limestone (calcium carbonate)	0.3 - 1.0%		
108-67-8	mesitylene	0.1 - 0.3%	✓	
98-82-8	cumene	0.1 - 0.3%	✓	
27253-32-3	Manganese neodecanoate	0.1 - 0.3%		
96-29-7	2-butanone oxime	0.1 - 0.3%	✓	



CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
91-20-3	Naphthalene	0.1 - 0.3%	✓	
111-65-9	octane	0.1 - 0.3%	✓	
22464-99-9	Zirconium octoate	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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>
Titanium dioxide	TWA	10 mg/m <sup>3</sup>
toluene	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
xylene	TWA	50 ppm



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Chemical Name		
	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
heptane (mixture of isomers)	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m3
	TWA	1,640 mg/m3
Limestone (calcium carbonate)	TWA	10 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
Manganese neodecanoate	TWA	1 mg/m3
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m3
	TWA	52 mg/m3
octane	TWA	300 ppm
	STEL	375 ppm
	STEL	1,750 mg/m3
	TWA	1,400 mg/m3
Zirconium octoate	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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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	116 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.2 %	
Lower explosion limit	0.5 %	
Vapour pressure	7.7 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	0.93 g/cm <sup>3</sup>	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. 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 classified according to GHS criteria

#### Acute inhalation toxicity

low boiling point naphtha (<0,1% benzene)	Category 4
Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	Category 4
toluene	Category 5
xylene	Category 4
1,2,4-trimethylbenzene	Category 4
ethylbenzene	Category 4
2-butanone oxime	Category 4

% of unknown composition 0 %

#### Skin corrosion/irritation

low boiling point naphtha (<0,1% benzene)	Category 2
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n-butyl acetate	Category 3
Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	Category 3
Solvent naphtha (petroleum), heavy arom.	Category 2
toluene	Category 2
xylene	Category 2
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 3
heptane (mixture of isomers)	Category 2
mesitylene	Category 3
2-butanone oxime	Category 3
Naphthalene	Category 3
octane	Category 2

**Serious eye damage/eye irritation**

low boiling point naphtha (<0,1% benzene)	Category 2A
toluene	Category 2B
xylene	Category 2
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 2B
heptane (mixture of isomers)	Category 2A
mesitylene	Category 2A
2-butanone oxime	Category 1
Naphthalene	Category 2A
octane	Category 2A

**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  
Naphthalene Category 2**Toxicity for reproduction**

toluene Category 2

**Target Organ Systemic Toxicant - Single exposure**● **Skin Absorption****Narcotic effects** toluene● **Inhalation****Respiratory tract irritation** octane**airway sensitivity** octane**Narcotic effects** octane**Respiratory system** 1,2,4-trimethylbenzene, cumene**Central nervous system** low boiling point naphtha (<0,1% benzene), 1,2,4-trimethylbenzene, octane**reproductive organs** heptane (mixture of isomers)**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**

n-butyl acetate	Category 3
Titanium dioxide	Category 3
toluene	Category 2
xylene	Category 3
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 2
heptane (mixture of isomers)	Category 1
mesitylene	Category 2
cumene	Category 2
2-butanone oxime	Category 3
Naphthalene	Category 1
octane	Category 1

**Chronic aquatic toxicity**

Solvent naphtha (petroleum), heavy arom.	Category 2
1,2,4-trimethylbenzene	Category 2
heptane (mixture of isomers)	Category 1
mesitylene	Category 2
cumene	Category 2
Naphthalene	Category 1
octane	Category 1

% of unknown composition 21.8%

**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: 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 - Single exposure	Category 6.9B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9A
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	



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<u>Version</u>	<u>Changes</u>
Revision Date: 1250003654	2013-08-26

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



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

<b>Product name</b>	419-90 STARBURST BLUE MET
<b>Product code</b>	419-90
<b>reference number</b>	419-90
<b>Intended use of the substance/preparation</b> Coating for professional use	
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency telephone number	NZ Poisons Information Centre Ph: 0800 764 766 24-hour Emergency Number: (64)-9526 2501
Importer	Resene Paints Ltd.
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2013-08-28

## 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 - Single exposure	Category 6.9B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9A
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. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. Causes damage to organs. Causes damage to organs through prolonged or repeated exposure. Harmful to aquatic life.



Harmful to aquatic life with long lasting effects.

Precautionary statements	<p>Contaminated work clothing should not be allowed out of the workplace. Keep container tightly closed. Avoid release to the environment. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Do not eat, drink or smoke when using this product. Ground/bond container and receiving equipment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Take precautionary measures against static discharge. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Wash hands after handling. Wear protective gloves/ eye protection/ face protection. IF exposed: Call a POISON CENTER or doctor/ physician. If eye irritation persists: 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: Call a POISON CENTER or doctor/ physician if you feel unwell. IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. If skin irritation or rash occurs: Get medical advice/ attention. Specific treatment (see supplemental first aid instructions on this label). Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local regulation.</p>
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#### Other hazards which do not result in classification

Contains: methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate; 2-butanone oxime. May produce an allergic reaction.

### 3. Composition/information on ingredients

#### Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS Hazardous	Haz-
8032-32-4	low boiling point naphtha (<0,1% benzene)	20 - 30%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
64742-48-9	Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	10 - 20%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	3 - 5%	✓	
108-88-3	toluene	3 - 5%	✓	
7429-90-5	aluminium powder (stabilized)	1 - 3%	✓	
147-14-8	alkylamine	1 - 3%	✓	
1330-20-7	xylene	1 - 3%	✓	
95-63-6	1,2,4-trimethylbenzene	0.3 - 1.0%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
91-20-3	Naphthalene	0.3 - 1.0%	✓	
8052-41-3	stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	0.3 - 1.0%	✓	
108-67-8	mesitylene	0.1 - 0.3%	✓	
98-82-8	cumene	0.1 - 0.3%	✓	



CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
82919-37-7	methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	0.1 - 0.3%	✓	
1317-65-3	Limestone (calcium carbonate)	0.1 - 0.3%		
27253-32-3	Manganese neodecanoate	0.1 - 0.3%		
96-29-7	2-butanone oxime	0.1 - 0.3%	✓	
111-65-9	octane	0.1 - 0.3%	✓	
22464-99-9	Zirconium octoate	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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>
toluene	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
aluminium powder (stabilized)	TWA	5 mg/m <sup>3</sup>
xylene	TWA	50 ppm



Chemical Name		
	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
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m3
	TWA	52 mg/m3
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	TWA	100 ppm
	TWA	525 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
Limestone (calcium carbonate)	TWA	10 mg/m3
Manganese neodecanoate	TWA	1 mg/m3
octane	TWA	300 ppm
	STEL	375 ppm
	STEL	1,750 mg/m3
	TWA	1,400 mg/m3
Zirconium octoate	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
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    Odour: Characteristic Paint Odor    Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	116 °C	
Flash point	10 °C	
Evapouration rate	Slower than Ether	
Flammability		
Upper explosion limit	10.2 %	
Lower explosion limit	0.5 %	
Vapour pressure	7.6 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	0.93 g/cm <sup>3</sup>	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**

not hazardous

**Acute dermal toxicity**

Not classified according to GHS criteria

**Acute inhalation toxicity**

low boiling point naphtha (<0,1% benzene)	Category 4
Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	Category 4
toluene	Category 5
xylene	Category 4
1,2,4-trimethylbenzene	Category 4
ethylbenzene	Category 4
2-butanone oxime	Category 4

% of unknown composition 0 %

**Skin corrosion/irritation**

low boiling point naphtha (<0,1% benzene)	Category 2
n-butyl acetate	Category 3
Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	Category 3
Solvent naphtha (petroleum), heavy arom.	Category 2
toluene	Category 2
alkylamine	Category 3
xylene	Category 2
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 3
Naphthalene	Category 3
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 2



mesitylene	Category 3
2-butanone oxime	Category 3
octane	Category 2

**Serious eye damage/eye irritation**

low boiling point naphtha (<0,1% benzene)	Category 2A
toluene	Category 2B
xylene	Category 2
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 2B
Naphthalene	Category 2A
mesitylene	Category 2A
2-butanone oxime	Category 1
octane	Category 2A

**Respiratory sensitisation**

Not classified according to GHS criteria

**Skin sensitisation**

methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1
2-butanone oxime	Category 1

**Germ cell mutagenicity**

Not classified according to GHS criteria

**Carcinogenicity**

Naphthalene	Category 2
2-butanone oxime	Category 2

**Toxicity for reproduction**

toluene	Category 2
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**Target Organ Systemic Toxicant - Single exposure**● **Skin Absorption****Narcotic effects** toluene● **Inhalation****Respiratory tract irritation** octane**airway sensitivity** octane**Narcotic effects** octane**Respiratory system** 1,2,4-trimethylbenzene, cumene**Central nervous system** low boiling point naphtha (<0,1% benzene), 1,2,4-trimethylbenzene, octane**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**

n-butyl acetate	Category 3
toluene	Category 2
xylene	Category 3
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 2
Naphthalene	Category 1
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 1
mesitylene	Category 2
cumene	Category 2
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1
2-butanone oxime	Category 3
octane	Category 1

**Chronic aquatic toxicity**

Solvent naphtha (petroleum), heavy arom.	Category 2
aluminium powder (stabilized)	Category 4
1,2,4-trimethylbenzene	Category 2
Naphthalene	Category 1
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 1
mesitylene	Category 2
cumene	Category 2
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1
octane	Category 1

% 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

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 - Single exposure	Category 6.9B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9A
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: 2013-08-26  
2419-DR451

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



in any process or if the material is altered or processed, unless specified in the text.

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

<b>Product name</b>	421-08 Nason Industrial Ful-Fil Acrylic Lacq P/S Gray
<b>Product code</b>	421-08
<b>Intended use of the substance/preparation</b>	Coating for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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
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 mild 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	Wear eye protection/ face protection. 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. 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%	✓	
14807-96-6	Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> )	20 - 30%		
78-93-3	butanone	5 - 10%	✓	
13463-67-7	Titanium dioxide	5 - 10%		
108-88-3	toluene	5 - 10%	✓	
67-63-0	propan-2-ol	3 - 5%	✓	
21645-51-2	aluminium hydroxide	0.3 - 1.0%		
1333-86-4	carbon black	0.3 - 1.0%		
546-93-0	magnesium carbonate	0.1 - 0.3%		
107-66-4	dibutyl hydrogen phosphate	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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>
Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> )	TWA	2 mg/m <sup>3</sup>
butanone	TWA	150 ppm
	STEL	300 ppm
	STEL	890 mg/m <sup>3</sup>
	TWA	445 mg/m <sup>3</sup>
Titanium dioxide	TWA	10 mg/m <sup>3</sup>
toluene	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
propan-2-ol	TWA	400 ppm
	STEL	500 ppm
	STEL	1,230 mg/m <sup>3</sup>
	TWA	983 mg/m <sup>3</sup>
aluminium hydroxide	TWA	2 mg/m <sup>3</sup>
carbon black	TWA	3 mg/m <sup>3</sup>
magnesium carbonate	TWA	10 mg/m <sup>3</sup>
dibutyl hydrogen phosphate	TWA	1 ppm
	STEL	2 ppm
	STEL	17 mg/m <sup>3</sup>
	TWA	8.6 mg/m <sup>3</sup>

**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

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product 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	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	13.9 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	1.23 g/cm <sup>3</sup>	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**

n-butyl acetate	Category 3
butanone	Category 3
toluene	Category 2
propan-2-ol	Category 3
dibutyl hydrogen phosphate	Category 1B

**Serious eye damage/eye irritation**

butanone	Category 2A
toluene	Category 2B
propan-2-ol	Category 2A
dibutyl hydrogen phosphate	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 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	
Skin corrosion/irritation	Category 6.3B
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: 2015-01-29  
B12770698

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

End of Safety Data Sheet

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

<b>Product name</b>	421-09 Ful-Fil Acrylic Lacq P/S Red
<b>Product code</b>	421-09
<b>Intended use of the substance/preparation</b>	Coating for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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
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. 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>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. Keep container tightly closed. Obtain special instructions before use.</p>

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%	✓	
14807-96-6	Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> )	20 - 30%		
108-88-3	toluene	5 - 10%	✓	
67-64-1	acetone	3 - 5%	✓	
67-63-0	propan-2-ol	3 - 5%	✓	
78-93-3	butanone	1 - 3%	✓	
1332-37-2	Red iron oxide light	1 - 3%		
1333-86-4	carbon black	0.3 - 1.0%		
546-93-0	magnesium carbonate	0.1 - 0.3%		
107-66-4	dibutyl hydrogen phosphate	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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>
Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> )	TWA	2 mg/m <sup>3</sup>
toluene	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
acetone	TWA	500 ppm
	STEL	1,000 ppm
	STEL	2,375 mg/m <sup>3</sup>
	TWA	1,185 mg/m <sup>3</sup>
propan-2-ol	TWA	400 ppm
	STEL	500 ppm
	STEL	1,230 mg/m <sup>3</sup>
	TWA	983 mg/m <sup>3</sup>
butanone	TWA	150 ppm
	STEL	300 ppm
	STEL	890 mg/m <sup>3</sup>
	TWA	445 mg/m <sup>3</sup>
Red iron oxide light	TWA	1 mg/m <sup>3</sup>
carbon black	TWA	3 mg/m <sup>3</sup>
magnesium carbonate	TWA	10 mg/m <sup>3</sup>
dibutyl hydrogen phosphate	TWA	1 ppm
	STEL	2 ppm
	STEL	17 mg/m <sup>3</sup>
	TWA	8.6 mg/m <sup>3</sup>

### 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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
butanone	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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	No data available.	
Freezing point	Not applicable.	
Boiling point	109 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1.1 %	
Vapour pressure	20.1 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	1.19 g/cm <sup>3</sup>	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

n-butyl acetate	Category 3
toluene	Category 2
acetone	Category 3
propan-2-ol	Category 3
butanone	Category 3
Red iron oxide light	Category 2
dibutyl hydrogen phosphate	Category 1B

**Serious eye damage/eye irritation**

toluene	Category 2B
acetone	Category 2A
propan-2-ol	Category 2A
butanone	Category 2A
Red iron oxide light	Category 1
dibutyl hydrogen phosphate	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**

n-butyl acetate	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: 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
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

Revision Date: 2015-01-29  
B12770857

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

End of Safety Data Sheet

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

<b>Product name</b>	421-19 Selectprime 2K Urethane Primer
<b>Product code</b>	421-19
<b>reference number</b>	421-19
<b>Intended use of the substance/preparation</b> Coating for professional use	
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency telephone number	NZ Poisons Information Centre Ph: 0800 764 766 24-hour Emergency Number: (64)-9526 2501
Importer	ULTRA PAINTS LTD.
Street/Box	994 Great South Road, Penrose, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 525 0426
Date of preparation	2013-08-28

## 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 - Single exposure	Category 6.9A
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.  
Causes damage to organs.  
May cause damage to organs through prolonged or repeated exposure.  
Harmful to aquatic life.

Precautionary statements

Keep container tightly closed.  
Avoid release to the environment.  
Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
Do not eat, drink or smoke when using this product.  
Ground/bond container and receiving equipment.  
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.



Obtain special instructions before use.  
Take precautionary measures against static discharge.  
Use explosion-proof electrical/ventilating/lighting equipment.  
Use only non-sparking tools.  
Wash hands after handling.  
Wear protective gloves/ eye protection/ face protection.  
IF exposed: Call a POISON CENTER or doctor/ physician.  
If eye irritation persists: 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 ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
If skin irritation occurs, seek medical advice/attention.  
Specific treatment (see supplemental first aid instructions on this label).  
Store in a well-ventilated place. Keep cool.  
Store locked up.  
Dispose of contents/container in accordance with local regulation.

**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-
7727-43-7	barium sulphate, natural	20 - 30%		
14807-96-6	Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> )	10 - 20%		
1330-20-7	xylene	10 - 20%	✓	
78-93-3	butanone	5 - 10%	✓	
108-65-6	2-methoxy-1-methylethyl acetate	5 - 10%	✓	
13463-67-7	Titanium dioxide	5 - 10%	✓	
123-86-4	n-butyl acetate	3 - 5%	✓	
100-41-4	ethylbenzene	3 - 5%	✓	
1317-65-3	Limestone (calcium carbonate)	1 - 3%		
110-43-0	heptan-2-one	1 - 3%	✓	
67-64-1	acetone	0.3 - 1.0%	✓	
21645-51-2	aluminium hydroxide	0.1 - 0.3%		
1333-86-4	carbon black	0.1 - 0.3%		
546-93-0	magnesium carbonate	0.1 - 0.3%	✓	
100-37-8	2-diethylaminoethanol	0.1 - 0.3%	✓	
136-53-8	zinc bis(2-ethylhexanoate)	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 (CO<sub>2</sub>), 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
Talc (Mg3H2(SiO3)4)	TWA	2 mg/m3
xylene	TWA	50 ppm
	TWA	217 mg/m3
butanone	TWA	150 ppm
	STEL	300 ppm
	STEL	890 mg/m3
Titanium dioxide	TWA	445 mg/m3
	TWA	10 mg/m3
	TWA	150 ppm
n-butyl acetate	STEL	200 ppm
	STEL	950 mg/m3
	TWA	713 mg/m3
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m3
Limestone (calcium carbonate)	TWA	434 mg/m3
	TWA	10 mg/m3
heptan-2-one	TWA	50 ppm
	TWA	233 mg/m3





Chemical Name		
acetone	TWA	500 ppm
	STEL	1,000 ppm
	STEL	2,375 mg/m3
	TWA	1,185 mg/m3
aluminium hydroxide	TWA	2 mg/m3
carbon black	TWA	3 mg/m3
magnesium carbonate	TWA	10 mg/m3
2-diethylaminoethanol	TWA	10 ppm
	TWA	48 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
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: grey    Odor Threshold : no data available

pH	No data available.	
Freezing point	Not applicable.	
Boiling point	78 °C	
Flash point	5 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	11 %	
Lower explosion limit	1 %	
Vapour pressure	10.9 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	1.43 g/cm <sup>3</sup>	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
butanone	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 3
heptan-2-one	Category 2
acetone	Category 3
2-diethylaminoethanol	Category 1B
zinc bis(2-ethylhexanoate)	Category 2

**Serious eye damage/eye irritation**

xylene	Category 2
butanone	Category 2
2-methoxy-1-methylethyl acetate	Category 2
ethylbenzene	Category 2B
heptan-2-one	Category 2B
acetone	Category 2
magnesium carbonate	Category 2A
2-diethylaminoethanol	Category 1
zinc bis(2-ethylhexanoate)	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**

zinc bis(2-ethylhexanoate)	Category 2
----------------------------	------------

**Target Organ Systemic Toxicant - Single exposure****• Inhalation****airway sensitivity** heptan-2-one**Narcotic effects** heptan-2-one**Respiratory system** 2-methoxy-1-methylethyl acetate**• Ingestion****Respiratory tract irritation** heptan-2-one**Narcotic effects** heptan-2-one

**Target Organ Systemic Toxicant - Repeated exposure****• Skin Absorption**

**Pancreas** zinc bis(2-ethylhexanoate)

**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
Titanium dioxide	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
heptan-2-one	Category 3
zinc bis(2-ethylhexanoate)	Category 1

% of unknown composition 1.1%

**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: 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 - Single exposure	Category 6.9A
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
3.0	2, 3, 5, 8, 9, 11, 12, 16

Revision Date: 2013-08-26  
B12772060

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

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

<b>Product name</b>	CHASSIS BLACK FAC-PAC
<b>Product code</b>	422-05
<b>reference number</b>	422-05
<b>Intended use of the substance/preparation</b> Coating for professional use	
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency telephone number	NZ Poisons Information Centre Ph: 0800 764 766 24-hour Emergency Number: (64)-9526 2501
Importer	Resene Paints Ltd.
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2013-08-28

## 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
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
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

Highly flammable liquid and vapour.  
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.  
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	Contaminated work clothing should not be allowed out of the workplace. Keep container tightly closed. Avoid release to the environment. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Do not eat, drink or smoke when using this product. Ground/bond container and receiving equipment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Take precautionary measures against static discharge. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Wash hands after handling. Wear protective gloves/ eye protection/ face protection. Collect spillage. IF exposed: Call a POISON CENTER or doctor/ physician. If eye irritation persists: 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 ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. If skin irritation or rash occurs: Get medical advice/ attention. Specific treatment (see supplemental first aid instructions on this label). Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local regulation.
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**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	Haz-ardous
67-64-1	acetone	20 - 30%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
142-82-5	heptane (mixture of isomers)	5 - 10%	✓	
108-88-3	toluene	5 - 10%	✓	
1333-86-4	carbon black	3 - 5%		
64742-48-9	Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	3 - 5%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	3 - 5%	✓	
1330-20-7	xylene	3 - 5%	✓	
100-41-4	ethylbenzene	1 - 3%	✓	
96-29-7	2-butanone oxime	0.3 - 1.0%	✓	
95-63-6	1,2,4-trimethylbenzene	0.1 - 0.3%	✓	
108-87-2	methylcyclohexane	0.1 - 0.3%	✓	
8052-41-3	stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	1,185 mg/m <sup>3</sup>
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>
heptane (mixture of isomers)	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m <sup>3</sup>
	TWA	1,640 mg/m <sup>3</sup>
toluene	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
carbon black	TWA	3 mg/m <sup>3</sup>
xylene	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>



## Chemical Name

ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m3
1,2,4-trimethylbenzene	TWA	434 mg/m3
	TWA	25 ppm
	TWA	123 mg/m3
methylcyclohexane	TWA	400 ppm
	TWA	1,610 mg/m3
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	TWA	100 ppm
	TWA	525 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

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product 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	No data available.	
Freezing point	Not applicable.	
Boiling point	56 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	12.8 %	
Lower explosion limit	0.5 %	
Vapour pressure	75.9 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	0.88 g/cm <sup>3</sup>	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 hazardous

% of unknown composition 0 %

**Skin corrosion/irritation**

acetone	Category 3
n-butyl acetate	Category 3
heptane (mixture of isomers)	Category 2
toluene	Category 2
Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	Category 3
low boiling point naphtha (<0,1% benzene)	Category 2
xylene	Category 2
ethylbenzene	Category 3
2-butanone oxime	Category 3
1,2,4-trimethylbenzene	Category 2
methylcyclohexane	Category 2
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 2

**Serious eye damage/eye irritation**

acetone	Category 2
heptane (mixture of isomers)	Category 2A
toluene	Category 2B
low boiling point naphtha (<0,1% benzene)	Category 2A
xylene	Category 2
ethylbenzene	Category 2B
2-butanone oxime	Category 1
1,2,4-trimethylbenzene	Category 2

**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**

toluene Category 2

**Target Organ Systemic Toxicant - Single exposure**● **Skin Absorption**

Narcotic effects toluene

● **Inhalation**



**Respiratory system** 1,2,4-trimethylbenzene

**Central nervous system** low boiling point naphtha (<0,1% benzene), 1,2,4-trimethylbenzene

**reproductive organs** heptane (mixture of isomers)

#### 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
heptane (mixture of isomers)	Category 1
toluene	Category 2
xylene	Category 3
ethylbenzene	Category 2
2-butanone oxime	Category 3
1,2,4-trimethylbenzene	Category 2
methylcyclohexane	Category 2
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 1

#### Chronic aquatic toxicity

heptane (mixture of isomers)	Category 1
1,2,4-trimethylbenzene	Category 2
methylcyclohexane	Category 2
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 1

% of unknown composition 4.7%

#### 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: 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	HSR002669
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
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Single exposure	Category 6.9B
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: 2013-08-26  
1250001677

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



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

<b>Product name</b>	422-09 BOND SEALER GRAY
<b>Product code</b>	422-09
<b>Intended use of the substance/preparation</b>	Coating for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	NZ Poisons Information Centre Ph: 0800 764 766 24-hour Medical Emergency: 0800 111 174 Transport Emergency: +(64)-98010034
<b>Importer</b>	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	2014-09-09

## 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
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. 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>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. Keep container tightly closed.</p>

Obtain special instructions before use.  
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	20 - 30%	✓	
14807-96-6	Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> )	20 - 30%		
108-88-3	toluene	5 - 10%	✓	
67-64-1	acetone	3 - 5%	✓	
67-63-0	propan-2-ol	3 - 5%	✓	
78-93-3	butanone	1 - 3%	✓	
1332-37-2	Red iron oxide light	1 - 3%		
1333-86-4	carbon black	0.3 - 1.0%		
546-93-0	magnesium carbonate	0.1 - 0.3%		
107-66-4	dibutyl hydrogen phosphate	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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>
Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> )	TWA	2 mg/m <sup>3</sup>
toluene	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
acetone	TWA	500 ppm
	STEL	1,000 ppm
	STEL	2,375 mg/m <sup>3</sup>
	TWA	1,185 mg/m <sup>3</sup>
propan-2-ol	TWA	400 ppm
	STEL	500 ppm
	STEL	1,230 mg/m <sup>3</sup>
	TWA	983 mg/m <sup>3</sup>
butanone	TWA	150 ppm
	STEL	300 ppm
	STEL	890 mg/m <sup>3</sup>
	TWA	445 mg/m <sup>3</sup>
Red iron oxide light	TWA	1 mg/m <sup>3</sup>
carbon black	TWA	3 mg/m <sup>3</sup>
magnesium carbonate	TWA	10 mg/m <sup>3</sup>
dibutyl hydrogen phosphate	TWA	1 ppm
	STEL	2 ppm
	STEL	17 mg/m <sup>3</sup>
	TWA	8.6 mg/m <sup>3</sup>

**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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
butanone	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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	No data available.	
Freezing point	Not applicable.	
Boiling point	109 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	7.6 %	
Lower explosion limit	1.1 %	
Vapour pressure	19.9 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	1.19 g/cm <sup>3</sup>	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

n-butyl acetate	Category 3
toluene	Category 2
acetone	Category 3
propan-2-ol	Category 3
butanone	Category 3
Red iron oxide light	Category 2
dibutyl hydrogen phosphate	Category 1B

**Serious eye damage/eye irritation**

toluene	Category 2B
acetone	Category 2A
propan-2-ol	Category 2A
butanone	Category 2A
Red iron oxide light	Category 1
dibutyl hydrogen phosphate	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**

n-butyl acetate	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: 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
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: 2014-09-09  
B12770857

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

End of Safety Data Sheet

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

<b>Product name</b>	422-23 Sealer
<b>Product code</b>	422-23
<b>Intended use of the substance/preparation</b>	Coating for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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	2015-02-01

## 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
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. 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>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. Keep container tightly closed. Obtain special instructions before use.</p>

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-
67-64-1	acetone	30 - 40%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
763-69-9	ethyl 3-ethoxypropionate	5 - 10%	✓	
1317-65-3	Limestone (calcium carbonate)	5 - 10%		
108-88-3	toluene	3 - 5%	✓	
27138-31-4	Oxydipropyl dibenzoate	1 - 3%	✓	
1332-58-7	Kaolin	1 - 3%		
110-43-0	heptan-2-one	1 - 3%	✓	
13463-67-7	Titanium dioxide	1 - 3%		
1330-20-7	xylene	1 - 3%	✓	
1333-86-4	carbon black	0.3 - 1.0%		
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
78-93-3	butanone	0.3 - 1.0%	✓	
110-12-3	5-methylhexan-2-one	0.3 - 1.0%	✓	
108-10-1	4-methylpentan-2-one	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 (CO<sub>2</sub>), 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/m3
	TWA	1,185 mg/m3
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m3
	TWA	713 mg/m3
Limestone (calcium carbonate)	TWA	10 mg/m3
toluene	TWA	50 ppm
	TWA	188 mg/m3
Kaolin	TWA	2 mg/m3
	TWA	50 ppm
heptan-2-one	TWA	233 mg/m3
	TWA	10 mg/m3
Titanium dioxide	TWA	50 ppm
	TWA	217 mg/m3
xylene	TWA	3 mg/m3
	TWA	100 ppm
carbon black	STEL	125 ppm
	STEL	543 mg/m3
ethylbenzene	TWA	434 mg/m3
	TWA	150 ppm
butanone	STEL	300 ppm
	STEL	890 mg/m3
	TWA	445 mg/m3

Chemical Name		
5-methylhexan-2-one	TWA	50 ppm
	TWA	234 mg/m <sup>3</sup>
4-methylpentan-2-one	TWA	50 ppm
	STEL	75 ppm
	STEL	307 mg/m <sup>3</sup>
	TWA	205 mg/m <sup>3</sup>

### 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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	0.7 mm	480 min
butanone	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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	165 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	12.8 %	
Lower explosion limit	1 %	
Vapour pressure	98.4 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	0.97 g/cm <sup>3</sup>	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, 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
ethyl 3-ethoxypropionate	Category 3
toluene	Category 2
heptan-2-one	Category 2
xylene	Category 2
ethylbenzene	Category 3
butanone	Category 3
5-methylhexan-2-one	Category 3
4-methylpentan-2-one	Category 3

**Serious eye damage/eye irritation**

acetone	Category 2A
toluene	Category 2B
heptan-2-one	Category 2B
xylene	Category 2A
ethylbenzene	Category 2B
butanone	Category 2A
5-methylhexan-2-one	Category 2A
4-methylpentan-2-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**

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**

n-butyl acetate	Category 3
ethyl 3-ethoxypropionate	Category 3
toluene	Category 2
Oxydipropyl dibenzoate	Category 2
heptan-2-one	Category 3
Titanium dioxide	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

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
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: 2014-09-08  
 B12771602

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

End of Safety Data Sheet

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

<b>Product name</b>	430-01 Ful-Base Black
<b>Product code</b>	430-01
<b>Intended use of the substance/preparation</b>	Coating for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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
Carcinogenicity	Category 6.7B
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 mild skin irritation. Suspected of causing cancer. 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.  
Use personal protective equipment as required.  
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
123-86-4	n-butyl acetate	20 - 30%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	10 - 20%	✓	
1333-86-4	carbon black	5 - 10%		
64742-94-5	Solvent naphtha (petroleum), heavy arom.	3 - 5%	✓	
108-88-3	toluene	3 - 5%	✓	
142-82-5	heptane (mixture of isomers)	1 - 3%	✓	
1330-20-7	xylene	1 - 3%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
1317-65-3	Limestone (calcium carbonate)	0.3 - 1.0%		
91-20-3	Naphthalene	0.1 - 0.3%	✓	
111-65-9	octane	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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>
carbon black	TWA	3 mg/m <sup>3</sup>
	TWA	50 ppm
toluene	TWA	188 mg/m <sup>3</sup>
	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m <sup>3</sup>
heptane (mixture of isomers)	TWA	1,640 mg/m <sup>3</sup>
	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m <sup>3</sup>
	TWA	434 mg/m <sup>3</sup>
Limestone (calcium carbonate)	TWA	10 mg/m <sup>3</sup>
	TWA	10 ppm
	STEL	15 ppm
Naphthalene	STEL	79 mg/m <sup>3</sup>
	TWA	52 mg/m <sup>3</sup>
	TWA	300 ppm
	STEL	375 ppm
octane	STEL	1,750 mg/m <sup>3</sup>
	TWA	1,400 mg/m <sup>3</sup>

**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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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	116 °C
Flash point	10 °C
Evaporation rate	Slower than Ether
Flammability	
Upper explosion limit	10.3 %
Lower explosion limit	0.9 %
Vapour pressure	10.2 hPa
Solubility(ies)	partly miscible
Vapour density	no data available
Density	0.98 g/cm <sup>3</sup> 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**

n-butyl acetate	Category 3
low boiling point naphtha (<0,1% benzene)	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
toluene	Category 2
heptane (mixture of isomers)	Category 2
xylene	Category 2
ethylbenzene	Category 3
octane	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**

low boiling point naphtha (<0,1% benzene)	Category 1B
Naphthalene	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**

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**

n-butyl acetate	Category 3
toluene	Category 2
heptane (mixture of isomers)	Category 1
xylene	Category 3
ethylbenzene	Category 2
Naphthalene	Category 1
octane	Category 1

**Chronic aquatic toxicity**

Solvent naphtha (petroleum), heavy arom.	Category 2
heptane (mixture of isomers)	Category 1
Naphthalene	Category 1
octane	Category 1

% of unknown composition 14%

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

**Mobility in soil**

No information available.

**Other adverse effects**

No information available.

**13. DISPOSAL 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	HSR002669
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Skin corrosion/irritation	Category 6.3B
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 9.1B
Chronic aquatic toxicity	Category 9.1B

## 16. Other information

## Revision Note

Version	Changes
1.0	
Revision Date:	2015-01-29
	B12979122

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

End of Safety Data Sheet

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

<b>Product name</b>	430-02 Ful-Base Carbon Black
<b>Product code</b>	430-02
<b>Intended use of the substance/preparation</b>	Coating for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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
Carcinogenicity	Category 6.7B
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 mild skin irritation. Suspected of causing cancer. 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.  
 Use personal protective equipment as required.  
 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
123-86-4	n-butyl acetate	20 - 30%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	10 - 20%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	3 - 5%	✓	
108-88-3	toluene	3 - 5%	✓	
1333-86-4	carbon black	1 - 3%		
142-82-5	heptane (mixture of isomers)	1 - 3%	✓	
1330-20-7	xylene	1 - 3%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
1317-65-3	Limestone (calcium carbonate)	0.3 - 1.0%		
91-20-3	Naphthalene	0.3 - 1.0%	✓	
111-65-9	octane	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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>
toluene	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
carbon black	TWA	3 mg/m <sup>3</sup>
	TWA	400 ppm
heptane (mixture of isomers)	STEL	500 ppm
	STEL	2,050 mg/m <sup>3</sup>
	TWA	1,640 mg/m <sup>3</sup>
	TWA	50 ppm
xylene	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m <sup>3</sup>
	TWA	434 mg/m <sup>3</sup>
Limestone (calcium carbonate)	TWA	10 mg/m <sup>3</sup>
	TWA	10 ppm
Naphthalene	STEL	15 ppm
	STEL	79 mg/m <sup>3</sup>
	TWA	52 mg/m <sup>3</sup>
	TWA	300 ppm
octane	STEL	375 ppm
	STEL	1,750 mg/m <sup>3</sup>
	TWA	1,400 mg/m <sup>3</sup>

**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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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	116 °C
Flash point	10 °C
Evaporation rate	Slower than Ether
Flammability	
Upper explosion limit	10.3 %
Lower explosion limit	0.9 %
Vapour pressure	10.8 hPa
Solubility(ies)	partly miscible
Vapour density	no data available
Density	0.95 g/cm <sup>3</sup> 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**

n-butyl acetate	Category 3
low boiling point naphtha (<0,1% benzene)	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
toluene	Category 2
heptane (mixture of isomers)	Category 2
xylene	Category 2
ethylbenzene	Category 3
octane	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**

low boiling point naphtha (<0,1% benzene)	Category 1B
Naphthalene	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**

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**

n-butyl acetate	Category 3
toluene	Category 2
heptane (mixture of isomers)	Category 1
xylene	Category 3
ethylbenzene	Category 2
Naphthalene	Category 1
octane	Category 1

**Chronic aquatic toxicity**

Solvent naphtha (petroleum), heavy arom.	Category 2
heptane (mixture of isomers)	Category 1
Naphthalene	Category 1
octane	Category 1

% of unknown composition 14.9%

**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: 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	HSR002669
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Skin corrosion/irritation	Category 6.3B
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 9.1B
Chronic aquatic toxicity	Category 9.1B

## 16. Other information

## Revision Note

Version	Changes
1.0	
Revision Date:	2015-01-29
B12918010	

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

End of Safety Data Sheet

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

<b>Product name</b>	430-03 Ful-Base H.S. White
<b>Product code</b>	430-03
<b>Intended use of the substance/preparation</b>	Coating for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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

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.

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	Haz-ardous
13463-67-7	Titanium dioxide	50 - 60%		
123-86-4	n-butyl acetate	10 - 20%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	5 - 10%	✓	
7631-86-9	amorphous Silica	3 - 5%		
21645-51-2	aluminium hydroxide	1 - 3%		
1330-20-7	xylene	1 - 3%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
1317-65-3	Limestone (calcium carbonate)	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 (CO<sub>2</sub>), 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 <sup>3</sup>
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>

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 Chemical Name
 

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amorphous Silica	TWA	10 mg/m3
aluminium hydroxide	TWA	2 mg/m3
xylene	TWA	50 ppm
	TWA	217 mg/m3
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m3
	TWA	434 mg/m3
Limestone (calcium carbonate)	TWA	10 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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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	116 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	3.7 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.65 g/cm <sup>3</sup>	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**

not hazardous

**Acute dermal toxicity**

not hazardous

**Acute inhalation toxicity**

not hazardous

% of unknown composition 0 %

**Skin corrosion/irritation**

n-butyl acetate	Category 3
low boiling point naphtha (<0,1% benzene)	Category 2
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**

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	
Skin corrosion/irritation	Category 6.3B
Flammable liquids	Category 3.1B

## 16. Other information

### Revision Note

Version	Changes
1.0	
Revision Date:	2015-01-29
B12917955	

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

End of Safety Data Sheet

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

<b>Product name</b>	430-04 Ful-Base White
<b>Product code</b>	430-04
<b>Intended use of the substance/preparation</b>	Coating for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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
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 mild skin 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. Obtain special instructions before use. Use personal protective equipment as required.</p>

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	20 - 30%	✓	
13463-67-7	Titanium dioxide	20 - 30%		
8032-32-4	low boiling point naphtha (<0,1% benzene)	10 - 20%	✓	
21645-51-2	aluminium hydroxide	1 - 3%		
7631-86-9	amorphous Silica	1 - 3%		
142-82-5	heptane (mixture of isomers)	1 - 3%	✓	
108-88-3	toluene	1 - 3%	✓	
1330-20-7	xylene	1 - 3%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
1317-65-3	Limestone (calcium carbonate)	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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>
Titanium dioxide	TWA	10 mg/m <sup>3</sup>
aluminium hydroxide	TWA	2 mg/m <sup>3</sup>
amorphous Silica	TWA	10 mg/m <sup>3</sup>
heptane (mixture of isomers)	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m <sup>3</sup>
	TWA	1,640 mg/m <sup>3</sup>
toluene	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
xylene	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m <sup>3</sup>
	TWA	434 mg/m <sup>3</sup>
Limestone (calcium carbonate)	TWA	10 mg/m <sup>3</sup>

#### 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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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	116 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	7.5 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.25 g/cm <sup>3</sup>	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**

n-butyl acetate	Category 3
low boiling point naphtha (<0,1% benzene)	Category 2
heptane (mixture of isomers)	Category 2
toluene	Category 2
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**

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**

n-butyl acetate	Category 3
Titanium dioxide	Category 3
aluminium hydroxide	Category 1
heptane (mixture of isomers)	Category 1
toluene	Category 2
xylene	Category 3
ethylbenzene	Category 2

**Chronic aquatic toxicity**

aluminium hydroxide	Category 1
heptane (mixture of isomers)	Category 1

% of unknown composition 10.4%

**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	
Skin corrosion/irritation	Category 6.3B
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  
B12979056

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

End of Safety Data Sheet

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

<b>Product name</b>	430-05 Ful-Base Transparent Red
<b>Product code</b>	430-05
<b>Intended use of the substance/preparation</b>	Coating for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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
Carcinogenicity	Category 6.7B
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. 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. 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

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 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-
123-86-4	n-butyl acetate	10 - 20%	✓	
1309-37-1	Iron oxide	10 - 20%	✓	
1330-20-7	xylene	10 - 20%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	5 - 10%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	3 - 5%	✓	
100-41-4	ethylbenzene	3 - 5%	✓	
142-82-5	heptane (mixture of isomers)	3 - 5%	✓	
108-88-3	toluene	3 - 5%	✓	
1317-65-3	Limestone (calcium carbonate)	0.3 - 1.0%		
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
91-20-3	Naphthalene	0.3 - 1.0%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
628-63-7	pentyl acetate	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 (CO<sub>2</sub>), 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 <sup>3</sup>
Iron oxide	TWA	713 mg/m <sup>3</sup>
	TWA	5 mg/m <sup>3</sup>
	TWA	50 ppm
xylene	TWA	217 mg/m <sup>3</sup>
	TWA	100 ppm
	STEL	125 ppm
ethylbenzene	STEL	543 mg/m <sup>3</sup>
	TWA	434 mg/m <sup>3</sup>
	TWA	400 ppm
heptane (mixture of isomers)	STEL	500 ppm
	STEL	2,050 mg/m <sup>3</sup>
	TWA	1,640 mg/m <sup>3</sup>
toluene	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
Limestone (calcium carbonate)	TWA	10 mg/m <sup>3</sup>
methyl methacrylate	TWA	50 ppm

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 Chemical Name
 

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	STEL	100 ppm
	STEL	416 mg/m <sup>3</sup>
	TWA	208 mg/m <sup>3</sup>
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m <sup>3</sup>
	TWA	52 mg/m <sup>3</sup>
pentyl acetate	TWA	100 ppm
	TWA	532 mg/m <sup>3</sup>

**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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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	116 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	7.5 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.05 g/cm <sup>3</sup>	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**

xylene	Category 4
low boiling point naphtha (<0,1% benzene)	Category 4
ethylbenzene	Category 4
toluene	Category 5
2-hydroxyethyl acrylate	Category 2

% of unknown composition 0 %

**Skin corrosion/irritation**

n-butyl acetate	Category 3
Iron oxide	Category 2
xylene	Category 2
low boiling point naphtha (<0,1% benzene)	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
ethylbenzene	Category 3
heptane (mixture of isomers)	Category 2
toluene	Category 2
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
2-hydroxyethyl acrylate	Category 1B
pentyl acetate	Category 3

**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**

low boiling point naphtha (<0,1% benzene)	Category 1B
Naphthalene	Category 2

**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

- **Inhalation**

**Respiratory system** 2-hydroxyethyl acrylate

**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
Iron oxide	Category 3
xylene	Category 3
ethylbenzene	Category 2
heptane (mixture of isomers)	Category 1
toluene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
Naphthalene	Category 1
2-hydroxyethyl acrylate	Category 1

**Chronic aquatic toxicity**

Solvent naphtha (petroleum), heavy arom.	Category 2
heptane (mixture of isomers)	Category 1
Naphthalene	Category 1
pentyl acetate	Category 4

% of unknown composition 5.6%

**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: 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	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
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 9.1B
Chronic aquatic toxicity	Category 9.1B

**16. Other information**

## Revision Note

Version	Changes
1.0	

Revision Date: 2015-01-29  
B13102436

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

End of Safety Data Sheet

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

<b>Product name</b>	430-06 Ful-Base L.S. Trans Red
<b>Product code</b>	430-06
<b>Intended use of the substance/preparation</b>	Coating for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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
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

Highly flammable liquid and vapour.  
Causes skin 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.  
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 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	20 - 30%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	10 - 20%	✓	
1309-37-1	Iron oxide	5 - 10%	✓	
1330-20-7	xylene	5 - 10%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	1 - 3%	✓	
100-41-4	ethylbenzene	1 - 3%	✓	
142-82-5	heptane (mixture of isomers)	1 - 3%	✓	
108-88-3	toluene	1 - 3%	✓	
1317-65-3	Limestone (calcium carbonate)	0.1 - 0.3%		
80-62-6	methyl methacrylate	0.1 - 0.3%	✓	
97-88-1	n-butyl methacrylate	0.1 - 0.3%	✓	
91-20-3	Naphthalene	0.1 - 0.3%	✓	
628-63-7	pentyl acetate	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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>
Iron oxide	TWA	5 mg/m <sup>3</sup>
xylene	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>
	TWA	100 ppm
ethylbenzene	STEL	125 ppm
	STEL	543 mg/m <sup>3</sup>
	TWA	434 mg/m <sup>3</sup>
	TWA	100 ppm
heptane (mixture of isomers)	STEL	500 ppm
	STEL	2,050 mg/m <sup>3</sup>
	TWA	1,640 mg/m <sup>3</sup>
	TWA	50 ppm
toluene	TWA	188 mg/m <sup>3</sup>
	TWA	10 mg/m <sup>3</sup>
Limestone (calcium carbonate)	TWA	10 mg/m <sup>3</sup>
methyl methacrylate	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m <sup>3</sup>

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 Chemical Name
 

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	TWA	208 mg/m3
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m3
	TWA	52 mg/m3
pentyl acetate	TWA	100 ppm
	TWA	532 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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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	116 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	9.0 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1 g/cm <sup>3</sup>	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**

n-butyl acetate	Category 3
low boiling point naphtha (<0,1% benzene)	Category 2
Iron oxide	Category 2
xylene	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
ethylbenzene	Category 3
heptane (mixture of isomers)	Category 2
toluene	Category 2
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
pentyl acetate	Category 3

**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

**Germ cell mutagenicity**

Not classified according to GHS criteria

**Carcinogenicity**

low boiling point naphtha (<0,1% benzene)	Category 1B
Naphthalene	Category 2

**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

**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
Iron oxide	Category 3
xylene	Category 3
ethylbenzene	Category 2
heptane (mixture of isomers)	Category 1
toluene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
Naphthalene	Category 1

**Chronic aquatic toxicity**

Solvent naphtha (petroleum), heavy arom.	Category 2
heptane (mixture of isomers)	Category 1
Naphthalene	Category 1
pentyl acetate	Category 4

% of unknown composition 10.8%

**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: 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 [Solvent naphtha (petroleum), heavy arom.]  
 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	
Skin corrosion/irritation	Category 6.3A
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
B12770913	



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

End of Safety Data Sheet

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

<b>Product name</b>	430-07 Ful-Base Ochre
<b>Product code</b>	430-07
<b>Intended use of the substance/preparation</b>	Coating for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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
Carcinogenicity	Category 6.7B
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 mild skin irritation. Suspected of causing cancer. 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. 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 ardous	Haz-
123-86-4	n-butyl acetate	20 - 30%	✓	
1309-37-1	Iron oxide	10 - 20%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	10 - 20%	✓	
1330-20-7	xylene	3 - 5%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	1 - 3%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
1317-65-3	Limestone (calcium carbonate)	0.3 - 1.0%		
91-20-3	Naphthalene	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 (CO<sub>2</sub>), 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 <sup>3</sup>
Iron oxide	TWA	713 mg/m <sup>3</sup>
	TWA	5 mg/m <sup>3</sup>
xylene	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m <sup>3</sup>
Limestone (calcium carbonate)	TWA	434 mg/m <sup>3</sup>
	TWA	10 mg/m <sup>3</sup>
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m <sup>3</sup>
	TWA	52 mg/m <sup>3</sup>

**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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	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: yellow    Odour: Characteristic Paint Odor    Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	116 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	7.2 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.1 g/cm <sup>3</sup>	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**

not hazardous

**Acute dermal toxicity**

not hazardous

**Acute inhalation toxicity**

not hazardous

% of unknown composition 0 %

**Skin corrosion/irritation**

n-butyl acetate	Category 3
Iron oxide	Category 2
low boiling point naphtha (<0,1% benzene)	Category 2
xylene	Category 2
Solvent naphtha (petroleum), heavy arom.	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**

Not classified according to GHS criteria

**Germ cell mutagenicity**

Not classified according to GHS criteria

**Carcinogenicity**

low boiling point naphtha (<0,1% benzene)	Category 1B
Naphthalene	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**

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
Iron oxide	Category 3
xylene	Category 3
ethylbenzene	Category 2
Naphthalene	Category 1

% of unknown composition 12.4%

**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 HSR002669  
HSNO Control A This product must be under the control of an approved handler during use.  
HSNO Classification  
Skin corrosion/irritation Category 6.3B  
Carcinogenicity Category 6.7B  
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
B12979114	

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

End of Safety Data Sheet

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

<b>Product name</b>	430-08 Ful-Base Red Oxide
<b>Product code</b>	430-08
<b>Intended use of the substance/preparation</b>	Coating for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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
Carcinogenicity	Category 6.7B
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. Suspected of causing cancer. 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.  
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%	✓	
1332-37-2	Red iron oxide light	10 - 20%		
8032-32-4	low boiling point naphtha (<0,1% benzene)	10 - 20%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	3 - 5%	✓	
108-88-3	toluene	3 - 5%	✓	
1330-20-7	xylene	3 - 5%	✓	
100-41-4	ethylbenzene	1 - 3%	✓	
142-82-5	heptane (mixture of isomers)	1 - 3%	✓	
1317-65-3	Limestone (calcium carbonate)	0.3 - 1.0%		
91-20-3	Naphthalene	0.1 - 0.3%	✓	
111-65-9	octane	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 (CO<sub>2</sub>), 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
	TWA	713 mg/m3
Red iron oxide light	TWA	1 mg/m3
toluene	TWA	50 ppm
	TWA	188 mg/m3
xylene	TWA	50 ppm
	TWA	217 mg/m3
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m3
heptane (mixture of isomers)	TWA	434 mg/m3
	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m3
Limestone (calcium carbonate)	TWA	1,640 mg/m3
	TWA	10 mg/m3
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m3
	TWA	52 mg/m3
octane	TWA	300 ppm
	STEL	375 ppm
	STEL	1,750 mg/m3
	TWA	1,400 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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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	116 °C
Flash point	10 °C
Evaporation rate	Slower than Ether
Flammability	
Upper explosion limit	10.3 %
Lower explosion limit	0.9 %
Vapour pressure	9.2 hPa
Solubility(ies)	partly miscible
Vapour density	no data available
Density	1.06 g/cm <sup>3</sup> 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**

n-butyl acetate	Category 3
Red iron oxide light	Category 2
low boiling point naphtha (<0,1% benzene)	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
toluene	Category 2
xylene	Category 2
ethylbenzene	Category 3
heptane (mixture of isomers)	Category 2
octane	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**

low boiling point naphtha (<0,1% benzene)	Category 1B
Naphthalene	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**

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**

n-butyl acetate	Category 3
toluene	Category 2
xylene	Category 3
ethylbenzene	Category 2
heptane (mixture of isomers)	Category 1
Naphthalene	Category 1
octane	Category 1

**Chronic aquatic toxicity**

Solvent naphtha (petroleum), heavy arom.	Category 2
heptane (mixture of isomers)	Category 1
Naphthalene	Category 1
octane	Category 1

% 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: 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	HSR002669
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Skin corrosion/irritation	Category 6.3A
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 9.1B
Chronic aquatic toxicity	Category 9.1B

## 16. Other information

## Revision Note

Version	Changes
1.0	
Revision Date:	2015-01-29
B12917999	

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

End of Safety Data Sheet

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

<b>Product name</b>	430-09 Ful-Base Transparent Yellow
<b>Product code</b>	430-09
<b>Intended use of the substance/preparation</b>	Coating for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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
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	Highly flammable liquid and vapour. Causes 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. 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; 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-
123-86-4	n-butyl acetate	20 - 30%	✓	
51274-00-1	Light yellow lemon yellow oxide pigment	10 - 20%		
1330-20-7	xylene	10 - 20%	✓	
100-41-4	ethylbenzene	3 - 5%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	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%	✓	
628-63-7	pentyl acetate	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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>
Light yellow lemon yellow oxide pigment	TWA	1 mg/m <sup>3</sup>
xylene	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m <sup>3</sup>
	TWA	434 mg/m <sup>3</sup>
methyl methacrylate	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m <sup>3</sup>
	TWA	208 mg/m <sup>3</sup>
pentyl acetate	TWA	100 ppm
	TWA	532 mg/m <sup>3</sup>

**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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	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: yellow    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	6.1 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.11 g/cm <sup>3</sup>	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**

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
low boiling point naphtha (<0,1% benzene)	Category 2
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
2-hydroxyethyl acrylate	Category 1B
pentyl acetate	Category 3

**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**

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
2-hydroxyethyl acrylate	Category 1

% of unknown composition 2.4%

**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

Skin corrosion/irritation Category 6.3A

Skin sensitisation Category 6.5B

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  
B13102425

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

End of Safety Data Sheet

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

<b>Product name</b>	430-10 Ful-Base Magenta
<b>Product code</b>	430-10
<b>Intended use of the substance/preparation</b>	Coating for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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
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. Causes mild skin irritation. 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. 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.  
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
123-86-4	n-butyl acetate	20 - 30%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	10 - 20%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	3 - 5%	✓	
108-88-3	toluene	1 - 3%	✓	
1330-20-7	xylene	1 - 3%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
1317-65-3	Limestone (calcium carbonate)	0.3 - 1.0%		
91-20-3	Naphthalene	0.1 - 0.3%	✓	
111-65-9	octane	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 (CO<sub>2</sub>), 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 <sup>3</sup>
toluene	TWA	713 mg/m <sup>3</sup>
	TWA	50 ppm
xylene	TWA	188 mg/m <sup>3</sup>
	TWA	50 ppm
ethylbenzene	TWA	217 mg/m <sup>3</sup>
	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m <sup>3</sup>
Limestone (calcium carbonate)	TWA	434 mg/m <sup>3</sup>
	TWA	10 mg/m <sup>3</sup>
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m <sup>3</sup>
	TWA	52 mg/m <sup>3</sup>
octane	TWA	300 ppm
	STEL	375 ppm
	STEL	1,750 mg/m <sup>3</sup>
	TWA	1,400 mg/m <sup>3</sup>

#### 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    Odour: Characteristic Paint Odor    Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	116 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	8.1 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1 g/cm <sup>3</sup>	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**

not hazardous

**Acute dermal toxicity**

not hazardous

**Acute inhalation toxicity**

not hazardous

% of unknown composition 0 %

**Skin corrosion/irritation**

n-butyl acetate	Category 3
low boiling point naphtha (<0,1% benzene)	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
toluene	Category 2
xylene	Category 2
ethylbenzene	Category 3
octane	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**

low boiling point naphtha (<0,1% benzene)	Category 1B
Naphthalene	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**

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**

n-butyl acetate	Category 3
toluene	Category 2
xylene	Category 3
ethylbenzene	Category 2
Naphthalene	Category 1
octane	Category 1

**Chronic aquatic toxicity**

Solvent naphtha (petroleum), heavy arom.	Category 2
Naphthalene	Category 1
octane	Category 1

% 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: 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	
Skin corrosion/irritation	Category 6.3B
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
B12979079	

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

End of Safety Data Sheet

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

<b>Product name</b>	430-11 Ful-Base Green
<b>Product code</b>	430-11
<b>Intended use of the substance/preparation</b>	Coating for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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
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	Highly flammable liquid and vapour. Causes mild skin irritation. 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. 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.  
 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
123-86-4	n-butyl acetate	30 - 40%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	10 - 20%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	3 - 5%	✓	
142-82-5	heptane (mixture of isomers)	1 - 3%	✓	
108-88-3	toluene	1 - 3%	✓	
1330-20-7	xylene	1 - 3%	✓	
7727-43-7	barium sulphate, natural	0.3 - 1.0%		
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
1317-65-3	Limestone (calcium carbonate)	0.3 - 1.0%		
91-20-3	Naphthalene	0.3 - 1.0%	✓	
111-65-9	octane	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 (CO<sub>2</sub>), 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
	TWA	713 mg/m3
heptane (mixture of isomers)	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m3
	TWA	1,640 mg/m3
toluene	TWA	50 ppm
	TWA	188 mg/m3
xylene	TWA	50 ppm
	TWA	217 mg/m3
barium sulphate, natural	TWA	10 mg/m3
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m3
	TWA	434 mg/m3
Limestone (calcium carbonate)	TWA	10 mg/m3
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m3
	TWA	52 mg/m3
octane	TWA	300 ppm
	STEL	375 ppm
	STEL	1,750 mg/m3
	TWA	1,400 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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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	116 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	9.4 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	0.98 g/cm <sup>3</sup>	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

n-butyl acetate	Category 3
low boiling point naphtha (<0,1% benzene)	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
heptane (mixture of isomers)	Category 2
toluene	Category 2
xylene	Category 2
ethylbenzene	Category 3
octane	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**

low boiling point naphtha (<0,1% benzene)	Category 1B
Naphthalene	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**

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**

n-butyl acetate	Category 3
heptane (mixture of isomers)	Category 1
toluene	Category 2
xylene	Category 3
ethylbenzene	Category 2
Naphthalene	Category 1
octane	Category 1

**Chronic aquatic toxicity**

Solvent naphtha (petroleum), heavy arom.	Category 2
heptane (mixture of isomers)	Category 1
Naphthalene	Category 1
octane	Category 1

% of unknown composition 14%

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

**Mobility in soil**

No information available.

**Other adverse effects**

No information available.

## 13. DISPOSAL 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	
Skin corrosion/irritation	Category 6.3B
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  
B12770958

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

End of Safety Data Sheet

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

<b>Product name</b>	430-13 Ful-Base Non-Flop Blue
<b>Product code</b>	430-13
<b>Intended use of the substance/preparation</b>	Coating for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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
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	Highly flammable liquid and vapour. Causes mild skin irritation. 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. 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.  
 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
123-86-4	n-butyl acetate	20 - 30%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	10 - 20%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	3 - 5%	✓	
108-88-3	toluene	3 - 5%	✓	
142-82-5	heptane (mixture of isomers)	1 - 3%	✓	
1330-20-7	xylene	1 - 3%	✓	
7727-43-7	barium sulphate, natural	0.3 - 1.0%		
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
1317-65-3	Limestone (calcium carbonate)	0.3 - 1.0%		
91-20-3	Naphthalene	0.1 - 0.3%	✓	
111-65-9	octane	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 (CO<sub>2</sub>), 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
	TWA	713 mg/m3
toluene	TWA	50 ppm
	TWA	188 mg/m3
heptane (mixture of isomers)	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m3
	TWA	1,640 mg/m3
xylene	TWA	50 ppm
	TWA	217 mg/m3
barium sulphate, natural	TWA	10 mg/m3
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m3
	TWA	434 mg/m3
Limestone (calcium carbonate)	TWA	10 mg/m3
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m3
	TWA	52 mg/m3
octane	TWA	300 ppm
	STEL	375 ppm
	STEL	1,750 mg/m3
	TWA	1,400 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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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	116 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	9.2 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	0.99 g/cm <sup>3</sup>	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

n-butyl acetate	Category 3
low boiling point naphtha (<0,1% benzene)	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
toluene	Category 2
heptane (mixture of isomers)	Category 2
xylene	Category 2
ethylbenzene	Category 3
octane	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**

low boiling point naphtha (<0,1% benzene)	Category 1B
Naphthalene	Category 2

**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**

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
toluene	Category 2
heptane (mixture of isomers)	Category 1
xylene	Category 3
ethylbenzene	Category 2
Naphthalene	Category 1
octane	Category 1

**Chronic aquatic toxicity**

Solvent naphtha (petroleum), heavy arom.	Category 2
heptane (mixture of isomers)	Category 1
Naphthalene	Category 1
octane	Category 1

% 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: 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	
Skin corrosion/irritation	Category 6.3B
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  
B12770976

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

End of Safety Data Sheet

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

<b>Product name</b>	430-14 Ful-Base Violet
<b>Product code</b>	430-14
<b>Intended use of the substance/preparation</b>	Coating for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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
Carcinogenicity	Category 6.7B
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. Suspected of causing cancer. 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.  
 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%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	10 - 20%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	3 - 5%	✓	
142-82-5	heptane (mixture of isomers)	3 - 5%	✓	
108-88-3	toluene	3 - 5%	✓	
1330-20-7	xylene	1 - 3%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
91-20-3	Naphthalene	0.3 - 1.0%	✓	
1317-65-3	Limestone (calcium carbonate)	0.1 - 0.3%		
111-65-9	octane	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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>
heptane (mixture of isomers)	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m <sup>3</sup>
	TWA	1,640 mg/m <sup>3</sup>
toluene	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
xylene	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m <sup>3</sup>
	TWA	434 mg/m <sup>3</sup>
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m <sup>3</sup>
	TWA	52 mg/m <sup>3</sup>
Limestone (calcium carbonate)	TWA	10 mg/m <sup>3</sup>
octane	TWA	300 ppm
	STEL	375 ppm
	STEL	1,750 mg/m <sup>3</sup>
	TWA	1,400 mg/m <sup>3</sup>

**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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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	116 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	10.9 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	0.95 g/cm <sup>3</sup>	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

n-butyl acetate	Category 3
low boiling point naphtha (<0,1% benzene)	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
heptane (mixture of isomers)	Category 2
toluene	Category 2
xylene	Category 2
ethylbenzene	Category 3
octane	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**

low boiling point naphtha (<0,1% benzene)	Category 1B
Naphthalene	Category 2

**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**

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
heptane (mixture of isomers)	Category 1
toluene	Category 2
xylene	Category 3
ethylbenzene	Category 2
Naphthalene	Category 1
octane	Category 1

**Chronic aquatic toxicity**

Solvent naphtha (petroleum), heavy arom.	Category 2
heptane (mixture of isomers)	Category 1
Naphthalene	Category 1
octane	Category 1

% of unknown composition 14.1%

**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: 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	HSR002669
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Skin corrosion/irritation	Category 6.3A
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 9.1B
Chronic aquatic toxicity	Category 9.1B

## 16. Other information

## Revision Note

Version	Changes
1.0	

Revision Date: 2015-01-29  
B12972618

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

End of Safety Data Sheet

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

<b>Product name</b>	430-15 Ful-Base Permanent Blue
<b>Product code</b>	430-15
<b>Intended use of the substance/preparation</b>	Coating for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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
Carcinogenicity	Category 6.7B
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. Suspected of causing cancer. 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.  
 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%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	10 - 20%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	3 - 5%	✓	
142-82-5	heptane (mixture of isomers)	3 - 5%	✓	
108-88-3	toluene	3 - 5%	✓	
555-32-8	Aluminum benzoate	1 - 3%		
1330-20-7	xylene	1 - 3%	✓	
7727-43-7	barium sulphate, natural	0.3 - 1.0%		
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
1317-65-3	Limestone (calcium carbonate)	0.3 - 1.0%		
91-20-3	Naphthalene	0.3 - 1.0%	✓	
111-65-9	octane	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 (CO<sub>2</sub>), 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
	TWA	713 mg/m3
heptane (mixture of isomers)	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m3
	TWA	1,640 mg/m3
toluene	TWA	50 ppm
	TWA	188 mg/m3
Aluminum benzoate	TWA	2 mg/m3
	TWA	50 ppm
xylene	TWA	217 mg/m3
	TWA	10 mg/m3
	TWA	100 ppm
barium sulphate, natural	STEL	125 ppm
	STEL	543 mg/m3
	TWA	434 mg/m3
Limestone (calcium carbonate)	TWA	10 mg/m3
	TWA	10 ppm
Naphthalene	STEL	15 ppm
	STEL	79 mg/m3
	TWA	52 mg/m3
octane	TWA	300 ppm
	STEL	375 ppm
	STEL	1,750 mg/m3
	TWA	1,400 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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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	116 °C
Flash point	10 °C
Evapouration rate	Slower than Ether
Flammability	
Upper explosion limit	10.3 %
Lower explosion limit	0.9 %
Vapour pressure	10.5 hPa

Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	0.96 g/cm <sup>3</sup>	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**

n-butyl acetate	Category 3
low boiling point naphtha (<0,1% benzene)	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
heptane (mixture of isomers)	Category 2
toluene	Category 2
xylene	Category 2
ethylbenzene	Category 3
octane	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**

low boiling point naphtha (<0,1% benzene)	Category 1B
Naphthalene	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**

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**

n-butyl acetate	Category 3
heptane (mixture of isomers)	Category 1
toluene	Category 2
xylene	Category 3
ethylbenzene	Category 2
Naphthalene	Category 1
octane	Category 1

**Chronic aquatic toxicity**

Solvent naphtha (petroleum), heavy arom.	Category 2
heptane (mixture of isomers)	Category 1
Naphthalene	Category 1
octane	Category 1

% of unknown composition 14.7%

**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: 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	HSR002669
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Skin corrosion/irritation	Category 6.3A
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 9.1B
Chronic aquatic toxicity	Category 9.1B

## 16. Other information

## Revision Note

Version	Changes
1.0	

Revision Date: 2015-01-29  
B12979063

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

End of Safety Data Sheet

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

<b>Product name</b>	430-16 Ful-Base Yellow Green
<b>Product code</b>	430-16
<b>Intended use of the substance/preparation</b>	Coating for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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
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 9.1B

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 mild skin irritation. 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. 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.  
 Use personal protective equipment as required.  
 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
123-86-4	n-butyl acetate	20 - 30%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	10 - 20%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	3 - 5%	✓	
108-88-3	toluene	3 - 5%	✓	
142-82-5	heptane (mixture of isomers)	1 - 3%	✓	
1330-20-7	xylene	1 - 3%	✓	
7727-43-7	barium sulphate, natural	0.3 - 1.0%		
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
1317-65-3	Limestone (calcium carbonate)	0.3 - 1.0%		
91-20-3	Naphthalene	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 (CO<sub>2</sub>), 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
	TWA	713 mg/m3
toluene	TWA	50 ppm
	TWA	188 mg/m3
heptane (mixture of isomers)	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m3
	TWA	1,640 mg/m3
xylene	TWA	50 ppm
	TWA	217 mg/m3
barium sulphate, natural	TWA	10 mg/m3
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m3
	TWA	434 mg/m3
Limestone (calcium carbonate)	TWA	10 mg/m3
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m3
	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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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	116 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	9.2 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.04 g/cm <sup>3</sup>	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

n-butyl acetate	Category 3
low boiling point naphtha (<0,1% benzene)	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
toluene	Category 2
heptane (mixture of isomers)	Category 2
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**

Not classified according to GHS criteria

**Germ cell mutagenicity**

Not classified according to GHS criteria

**Carcinogenicity**

low boiling point naphtha (<0,1% benzene)	Category 1B
Naphthalene	Category 2

**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**

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
toluene	Category 2
heptane (mixture of isomers)	Category 1
xylene	Category 3
ethylbenzene	Category 2
Naphthalene	Category 1

**Chronic aquatic toxicity**

Solvent naphtha (petroleum), heavy arom.	Category 2
heptane (mixture of isomers)	Category 1

Naphthalene

Category 1

% 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: 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 [Solvent naphtha (petroleum), heavy arom.]

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	
Skin corrosion/irritation	Category 6.3B
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 9.1B

## 16. Other information

### Revision Note

Version	Changes
1.0	
Revision Date:	2015-01-29
	B12771586

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

End of Safety Data Sheet



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

<b>Product name</b>	430-17 Ful-Base Yellow
<b>Product code</b>	430-17
<b>Intended use of the substance/preparation</b>	
Coating for professional use	
<b>Supplier</b>	
Street address	Axalta Coating Systems Australia Pty Limited 15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	
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
Carcinogenicity	Category 6.7B
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 mild skin irritation. Suspected of causing cancer. 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. 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 ardous	Haz-
123-86-4	n-butyl acetate	30 - 40%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	10 - 20%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	1 - 3%	✓	
1330-20-7	xylene	1 - 3%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
1317-65-3	Limestone (calcium carbonate)	0.3 - 1.0%		
91-20-3	Naphthalene	0.1 - 0.3%	✓	
111-65-9	octane	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 (CO<sub>2</sub>), 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 <sup>3</sup>
xylene	TWA	713 mg/m <sup>3</sup>
	TWA	50 ppm
ethylbenzene	TWA	217 mg/m <sup>3</sup>
	TWA	100 ppm
	STEL	125 ppm
Limestone (calcium carbonate)	STEL	543 mg/m <sup>3</sup>
	TWA	434 mg/m <sup>3</sup>
	TWA	10 mg/m <sup>3</sup>
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m <sup>3</sup>
octane	TWA	52 mg/m <sup>3</sup>
	TWA	300 ppm
	STEL	375 ppm
	STEL	1,750 mg/m <sup>3</sup>
	TWA	1,400 mg/m <sup>3</sup>

**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) <sup>®</sup>	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) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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	116 °C	
Flash point	10 °C	
Evapouration rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	7.7 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.03 g/cm <sup>3</sup>	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**

not hazardous

**Acute dermal toxicity**

not hazardous

**Acute inhalation toxicity**

not hazardous

% of unknown composition 0 %

**Skin corrosion/irritation**

n-butyl acetate	Category 3
low boiling point naphtha (<0,1% benzene)	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
xylene	Category 2
ethylbenzene	Category 3
octane	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**

low boiling point naphtha (<0,1% benzene)	Category 1B
Naphthalene	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**

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
Naphthalene	Category 1
octane	Category 1

% of unknown composition 28.4%

**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 HSR002669

HSNO Control A This product must be under the control of an approved handler during use.

HSNO Classification

Skin corrosion/irritation Category 6.3B

Carcinogenicity Category 6.7B

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  
B10368480

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

End of Safety Data Sheet



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

<b>Product name</b>	430-18 Ful-Base Orange
<b>Product code</b>	430-18
<b>Intended use of the substance/preparation</b>	
Coating for professional use	
<b>Supplier</b>	
Street address	Axalta Coating Systems Australia Pty Limited 15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	
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
Carcinogenicity	Category 6.7B
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. Suspected of causing cancer. 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. 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 ardous	Haz-
123-86-4	n-butyl acetate	20 - 30%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	10 - 20%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	3 - 5%	✓	
1330-20-7	xylene	1 - 3%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
1317-65-3	Limestone (calcium carbonate)	0.3 - 1.0%		
91-20-3	Naphthalene	0.1 - 0.3%	✓	
111-65-9	octane	0.1 - 0.3%	✓	
13463-67-7	Titanium dioxide	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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>
xylene	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m <sup>3</sup>
	TWA	434 mg/m <sup>3</sup>
Limestone (calcium carbonate)	TWA	10 mg/m <sup>3</sup>
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m <sup>3</sup>
	TWA	52 mg/m <sup>3</sup>
octane	TWA	300 ppm
	STEL	375 ppm
	STEL	1,750 mg/m <sup>3</sup>
	TWA	1,400 mg/m <sup>3</sup>
Titanium dioxide	TWA	10 mg/m <sup>3</sup>

**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) <sup>®</sup>	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) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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	not applicable	
Freezing point	Not applicable.	
Boiling point	116 °C	
Flash point	10 °C	
Evapouration rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	7.0 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.04 g/cm <sup>3</sup>	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**

not hazardous

**Acute dermal toxicity**

not hazardous

**Acute inhalation toxicity**

not hazardous

% of unknown composition 0 %

**Skin corrosion/irritation**

n-butyl acetate	Category 3
low boiling point naphtha (<0,1% benzene)	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
xylene	Category 2
ethylbenzene	Category 3
octane	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**

Not classified according to GHS criteria

**Germ cell mutagenicity**

Not classified according to GHS criteria

**Carcinogenicity**

low boiling point naphtha (<0,1% benzene)	Category 1B
Naphthalene	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**

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
xylene	Category 3
ethylbenzene	Category 2
Naphthalene	Category 1
octane	Category 1
Titanium dioxide	Category 3
1-Hexadecanaminium, N,N,N-trimethyl-, chloride (1:1)	Category 1

**Chronic aquatic toxicity**

Solvent naphtha (petroleum), heavy arom.	Category 2
Naphthalene	Category 1
octane	Category 1
1-Hexadecanaminium, N,N,N-trimethyl-, chloride (1:1)	Category 1

% 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

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	
Skin corrosion/irritation	Category 6.3B
Carcinogenicity	Category 6.7B
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	





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Version	Changes
Revision Date: B12979108	2015-01-29

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

End of Safety Data Sheet

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

<b>Product name</b>	430-19 Ful-Base Lemon Yellow
<b>Product code</b>	430-19
<b>Intended use of the substance/preparation</b>	Intermediate
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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	2015-02-01

## 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
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
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. 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 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. 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 ardous	Haz-
123-86-4	n-butyl acetate	20 - 30%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	10 - 20%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	1 - 3%	✓	
108-88-3	toluene	1 - 3%	✓	
1330-20-7	xylene	1 - 3%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
1317-65-3	Limestone (calcium carbonate)	0.3 - 1.0%		
91-20-3	Naphthalene	0.1 - 0.3%	✓	
111-65-9	octane	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 (CO<sub>2</sub>), 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 <sup>3</sup>
toluene	TWA	713 mg/m <sup>3</sup>
	TWA	50 ppm
xylene	TWA	188 mg/m <sup>3</sup>
	TWA	50 ppm
ethylbenzene	TWA	217 mg/m <sup>3</sup>
	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m <sup>3</sup>
Limestone (calcium carbonate)	TWA	434 mg/m <sup>3</sup>
	TWA	10 mg/m <sup>3</sup>
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m <sup>3</sup>
	TWA	52 mg/m <sup>3</sup>
	TWA	300 ppm
octane	STEL	375 ppm
	STEL	1,750 mg/m <sup>3</sup>
	TWA	1,400 mg/m <sup>3</sup>
	TWA	1,400 mg/m <sup>3</sup>

#### 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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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    Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	116 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	7.2 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.03 g/cm <sup>3</sup>	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**

not hazardous

**Acute dermal toxicity**

not hazardous

**Acute inhalation toxicity**

not hazardous

% of unknown composition 0 %

**Skin corrosion/irritation**

n-butyl acetate	Category 3
low boiling point naphtha (<0,1% benzene)	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
toluene	Category 2
xylene	Category 2
ethylbenzene	Category 3
octane	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**

low boiling point naphtha (<0,1% benzene)	Category 1B
Naphthalene	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**

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.

**Chronic aquatic toxicity**

Solvent naphtha (petroleum), heavy arom.	Category 2
Naphthalene	Category 1
octane	Category 1

% of unknown composition 13.3%

**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: 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	
Skin corrosion/irritation	Category 6.3B
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Flammable liquids	Category 3.1B
Chronic aquatic toxicity	Category 9.1C

## 16. Other information

### Revision Note

Version	Changes
1.1	9, 11



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Version	Changes
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Revision Date:	2015-02-01
	B13142344

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

End of Safety Data Sheet

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

<b>Product name</b>	430-20 Ful-Base Indo Yellow
<b>Product code</b>	430-20
<b>Intended use of the substance/preparation</b>	Coating for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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
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	Highly flammable liquid and vapour. Causes mild skin irritation. 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. 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.  
 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
123-86-4	n-butyl acetate	20 - 30%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	10 - 20%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	1 - 3%	✓	
142-82-5	heptane (mixture of isomers)	1 - 3%	✓	
108-88-3	toluene	1 - 3%	✓	
1330-20-7	xylene	1 - 3%	✓	
7727-43-7	barium sulphate, natural	0.3 - 1.0%		
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
1317-65-3	Limestone (calcium carbonate)	0.3 - 1.0%		
91-20-3	Naphthalene	0.1 - 0.3%	✓	
111-65-9	octane	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 (CO<sub>2</sub>), 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
	TWA	713 mg/m3
heptane (mixture of isomers)	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m3
	TWA	1,640 mg/m3
toluene	TWA	50 ppm
	TWA	188 mg/m3
xylene	TWA	50 ppm
	TWA	217 mg/m3
barium sulphate, natural	TWA	10 mg/m3
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m3
	TWA	434 mg/m3
Limestone (calcium carbonate)	TWA	10 mg/m3
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m3
	TWA	52 mg/m3
octane	TWA	300 ppm
	STEL	375 ppm
	STEL	1,750 mg/m3
	TWA	1,400 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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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	116 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	8.4 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.04 g/cm <sup>3</sup>	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

n-butyl acetate	Category 3
low boiling point naphtha (<0,1% benzene)	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
heptane (mixture of isomers)	Category 2
toluene	Category 2
xylene	Category 2
ethylbenzene	Category 3
octane	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**

low boiling point naphtha (<0,1% benzene)	Category 1B
Naphthalene	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**

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**

n-butyl acetate	Category 3
heptane (mixture of isomers)	Category 1
toluene	Category 2
xylene	Category 3
ethylbenzene	Category 2
Naphthalene	Category 1
octane	Category 1

**Chronic aquatic toxicity**

Solvent naphtha (petroleum), heavy arom.	Category 2
heptane (mixture of isomers)	Category 1
Naphthalene	Category 1
octane	Category 1

% of unknown composition 13.2%

**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: 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 [Solvent naphtha (petroleum), heavy arom.]  
 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	
Skin corrosion/irritation	Category 6.3B
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  
B12771025

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

End of Safety Data Sheet

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

<b>Product name</b>	430-21 Ful-Base Red Shade Blue
<b>Product code</b>	430-21
<b>Intended use of the substance/preparation</b>	Coating for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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
Carcinogenicity	Category 6.7B
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 mild skin irritation. Suspected of causing cancer. 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.  
 Use personal protective equipment as required.  
 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
123-86-4	n-butyl acetate	20 - 30%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	10 - 20%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	3 - 5%	✓	
142-82-5	heptane (mixture of isomers)	1 - 3%	✓	
108-88-3	toluene	1 - 3%	✓	
1330-20-7	xylene	1 - 3%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
1317-65-3	Limestone (calcium carbonate)	0.3 - 1.0%		
7727-43-7	barium sulphate, natural	0.1 - 0.3%		
91-20-3	Naphthalene	0.1 - 0.3%	✓	
111-65-9	octane	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 (CO<sub>2</sub>), 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
	TWA	713 mg/m3
heptane (mixture of isomers)	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m3
	TWA	1,640 mg/m3
toluene	TWA	50 ppm
	TWA	188 mg/m3
xylene	TWA	50 ppm
	TWA	217 mg/m3
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m3
	TWA	434 mg/m3
Limestone (calcium carbonate)	TWA	10 mg/m3
barium sulphate, natural	TWA	10 mg/m3
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m3
	TWA	52 mg/m3
octane	TWA	300 ppm
	STEL	375 ppm
	STEL	1,750 mg/m3
	TWA	1,400 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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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	116 °C
Flash point	10 °C
Evaporation rate	Slower than Ether
Flammability	
Upper explosion limit	10.3 %
Lower explosion limit	0.9 %
Vapour pressure	9.8 hPa
Solubility(ies)	partly miscible
Vapour density	no data available
Density	0.98 g/cm <sup>3</sup> 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**

n-butyl acetate	Category 3
low boiling point naphtha (<0,1% benzene)	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
heptane (mixture of isomers)	Category 2
toluene	Category 2
xylene	Category 2
ethylbenzene	Category 3
octane	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**

low boiling point naphtha (<0,1% benzene)	Category 1B
Naphthalene	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**

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**

n-butyl acetate	Category 3
heptane (mixture of isomers)	Category 1
toluene	Category 2
xylene	Category 3
ethylbenzene	Category 2
Naphthalene	Category 1
octane	Category 1

**Chronic aquatic toxicity**

Solvent naphtha (petroleum), heavy arom.	Category 2
heptane (mixture of isomers)	Category 1
Naphthalene	Category 1
octane	Category 1

% 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: 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	HSR002669
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Skin corrosion/irritation	Category 6.3B
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 9.1B
Chronic aquatic toxicity	Category 9.1B

## 16. Other information

## Revision Note

Version	Changes
1.0	
Revision Date:	2015-01-29
B12971025	

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

End of Safety Data Sheet

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

<b>Product name</b>	430-22 Ful-Base Perrindo Red
<b>Product code</b>	430-22
<b>Intended use of the substance/preparation</b>	Coating for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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
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

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. 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.
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. 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 ardous	Haz-
123-86-4	n-butyl acetate	20 - 30%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	10 - 20%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	1 - 3%	✓	
1338-24-5	Naphthenic acids	1 - 3%	✓	
108-88-3	toluene	1 - 3%	✓	
1330-20-7	xylene	1 - 3%	✓	
7727-43-7	barium sulphate, natural	0.3 - 1.0%		
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
1317-65-3	Limestone (calcium carbonate)	0.3 - 1.0%		
91-20-3	Naphthalene	0.1 - 0.3%	✓	
111-65-9	octane	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 (CO<sub>2</sub>), 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
	TWA	713 mg/m3
toluene	TWA	50 ppm
	TWA	188 mg/m3
xylene	TWA	50 ppm
	TWA	217 mg/m3
barium sulphate, natural	TWA	10 mg/m3
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m3
	TWA	434 mg/m3
Limestone (calcium carbonate)	TWA	10 mg/m3
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m3
	TWA	52 mg/m3
octane	TWA	300 ppm
	STEL	375 ppm
	STEL	1,750 mg/m3
	TWA	1,400 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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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	116 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	7.9 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.02 g/cm <sup>3</sup>	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

not hazardous

#### Acute dermal toxicity

not hazardous

#### Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

### Skin corrosion/irritation

n-butyl acetate	Category 3
low boiling point naphtha (<0,1% benzene)	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
toluene	Category 2
xylene	Category 2
ethylbenzene	Category 3
octane	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**

low boiling point naphtha (<0,1% benzene)	Category 1B
Naphthalene	Category 2

**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**

- **Liver** Naphthenic acids

**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
Naphthenic acids	Category 2
toluene	Category 2
xylene	Category 3
ethylbenzene	Category 2
Naphthalene	Category 1
octane	Category 1

% of unknown composition 13.3%

**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	
Skin corrosion/irritation	Category 6.3B
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

**16. Other information**

## Revision Note

Version	Changes
1.0	

Revision Date: 2015-01-29  
B12771041

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

End of Safety Data Sheet

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

<b>Product name</b>	430-23 Ful-Base Perrindo Marron
<b>Product code</b>	430-23
<b>Intended use of the substance/preparation</b>	Coating for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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
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 9.1B

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 mild skin irritation. 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. 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.  
 Use personal protective equipment as required.  
 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
123-86-4	n-butyl acetate	20 - 30%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	10 - 20%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	3 - 5%	✓	
108-88-3	toluene	3 - 5%	✓	
7727-43-7	barium sulphate, natural	1 - 3%		
142-82-5	heptane (mixture of isomers)	1 - 3%	✓	
1330-20-7	xylene	1 - 3%	✓	
68188-14-7	Barium resinate	0.3 - 1.0%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
1317-65-3	Limestone (calcium carbonate)	0.3 - 1.0%		
91-20-3	Naphthalene	0.1 - 0.3%	✓	
111-65-9	octane	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 (CO<sub>2</sub>), 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 <sup>3</sup>
toluene	TWA	713 mg/m <sup>3</sup>
	TWA	50 ppm
barium sulphate, natural	TWA	188 mg/m <sup>3</sup>
	TWA	10 mg/m <sup>3</sup>
heptane (mixture of isomers)	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m <sup>3</sup>
xylene	TWA	1,640 mg/m <sup>3</sup>
	TWA	50 ppm
Barium resinate	TWA	217 mg/m <sup>3</sup>
	TWA	0.5 mg/m <sup>3</sup>
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m <sup>3</sup>
Limestone (calcium carbonate)	TWA	434 mg/m <sup>3</sup>
	TWA	10 mg/m <sup>3</sup>
	TWA	10 ppm
Naphthalene	STEL	15 ppm
	STEL	79 mg/m <sup>3</sup>
	TWA	52 mg/m <sup>3</sup>
octane	TWA	300 ppm
	STEL	375 ppm
	STEL	1,750 mg/m <sup>3</sup>
	TWA	1,400 mg/m <sup>3</sup>

**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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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	116 °C
Flash point	10 °C
Evaporation rate	Slower than Ether
Flammability	
Upper explosion limit	10.3 %
Lower explosion limit	0.9 %
Vapour pressure	8.8 hPa

Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.02 g/cm <sup>3</sup>	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**

n-butyl acetate	Category 3
low boiling point naphtha (<0,1% benzene)	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
toluene	Category 2
heptane (mixture of isomers)	Category 2
xylene	Category 2
ethylbenzene	Category 3
octane	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**

low boiling point naphtha (<0,1% benzene)	Category 1B
Naphthalene	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**

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**

n-butyl acetate	Category 3
toluene	Category 2
heptane (mixture of isomers)	Category 1
xylene	Category 3
ethylbenzene	Category 2
Naphthalene	Category 1
octane	Category 1

**Chronic aquatic toxicity**

Solvent naphtha (petroleum), heavy arom.	Category 2
heptane (mixture of isomers)	Category 1
Naphthalene	Category 1
octane	Category 1

% of unknown composition 13.4%

**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: yes [Solvent naphtha (petroleum), heavy arom.]

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	
Skin corrosion/irritation	Category 6.3B
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 9.1B

## 16. Other information

## Revision Note

Version	Changes
1.0	

Revision Date: 2015-01-29  
B12771055

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

End of Safety Data Sheet

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

<b>Product name</b>	430-24 Ful-Base Quindo Red
<b>Product code</b>	430-24
<b>Intended use of the substance/preparation</b>	
Coating for professional use	
<b>Supplier</b>	
Street address	Axalta Coating Systems Australia Pty Limited 15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	
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
Carcinogenicity	Category 6.7B
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 mild skin irritation. Suspected of causing cancer. 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. 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 ardous	Haz-
123-86-4	n-butyl acetate	20 - 30%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	10 - 20%	✓	
1330-20-7	xylene	3 - 5%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	1 - 3%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
1317-65-3	Limestone (calcium carbonate)	0.3 - 1.0%		
91-20-3	Naphthalene	0.1 - 0.3%	✓	
111-65-9	octane	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 (CO<sub>2</sub>), 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 <sup>3</sup>
xylene	TWA	713 mg/m <sup>3</sup>
	TWA	50 ppm
ethylbenzene	TWA	217 mg/m <sup>3</sup>
	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m <sup>3</sup>
Limestone (calcium carbonate)	TWA	434 mg/m <sup>3</sup>
	TWA	10 mg/m <sup>3</sup>
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m <sup>3</sup>
	TWA	52 mg/m <sup>3</sup>
octane	TWA	300 ppm
	STEL	375 ppm
	STEL	1,750 mg/m <sup>3</sup>
	TWA	1,400 mg/m <sup>3</sup>

**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) <sup>®</sup>	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) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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	116 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	7.5 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.02 g/cm <sup>3</sup>	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**

not hazardous

**Acute dermal toxicity**

not hazardous

**Acute inhalation toxicity**

not hazardous

% of unknown composition 0 %

**Skin corrosion/irritation**

n-butyl acetate	Category 3
low boiling point naphtha (<0,1% benzene)	Category 2
xylene	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
ethylbenzene	Category 3
octane	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**

low boiling point naphtha (<0,1% benzene)	Category 1B
Naphthalene	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**

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
Naphthalene	Category 1
octane	Category 1

% of unknown composition 13.2%

**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: 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

Skin corrosion/irritation Category 6.3B

Carcinogenicity Category 6.7B

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  
B12980367

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

End of Safety Data Sheet

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

<b>Product name</b>	430-25 Ful-Base Bright Red
<b>Product code</b>	430-25
<b>Intended use of the substance/preparation</b>	Coating for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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	2015-02-01

## 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
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	Highly flammable liquid and vapour. Causes mild skin irritation. 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. 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.  
 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
123-86-4	n-butyl acetate	20 - 30%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	10 - 20%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	3 - 5%	✓	
142-82-5	heptane (mixture of isomers)	1 - 3%	✓	
108-88-3	toluene	1 - 3%	✓	
1330-20-7	xylene	1 - 3%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
1317-65-3	Limestone (calcium carbonate)	0.3 - 1.0%		
91-20-3	Naphthalene	0.1 - 0.3%	✓	
111-65-9	octane	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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>
heptane (mixture of isomers)	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m <sup>3</sup>
	TWA	1,640 mg/m <sup>3</sup>
toluene	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
xylene	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m <sup>3</sup>
	TWA	434 mg/m <sup>3</sup>
Limestone (calcium carbonate)	TWA	10 mg/m <sup>3</sup>
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m <sup>3</sup>
	TWA	52 mg/m <sup>3</sup>
octane	TWA	300 ppm
	STEL	375 ppm
	STEL	1,750 mg/m <sup>3</sup>
	TWA	1,400 mg/m <sup>3</sup>

**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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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	116 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	8.8 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1 g/cm <sup>3</sup>	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

n-butyl acetate	Category 3
low boiling point naphtha (<0,1% benzene)	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
heptane (mixture of isomers)	Category 2
toluene	Category 2
xylene	Category 2
ethylbenzene	Category 3
octane	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**

low boiling point naphtha (<0,1% benzene)	Category 1B
Naphthalene	Category 2

**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**

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
heptane (mixture of isomers)	Category 1
toluene	Category 2
xylene	Category 3
ethylbenzene	Category 2
Naphthalene	Category 1
octane	Category 1

**Chronic aquatic toxicity**

Solvent naphtha (petroleum), heavy arom.	Category 2
heptane (mixture of isomers)	Category 1
Naphthalene	Category 1
octane	Category 1

% of unknown composition 13.6%

**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: yes [Solvent naphtha (petroleum), heavy arom.]  
 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	
Skin corrosion/irritation	Category 6.3B
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
2.0	3, 9, 11, 12

Revision Date: 2015-02-01  
1250002356

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

End of Safety Data Sheet

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

<b>Product name</b>	430-26 Ful-Base Pal Yellow
<b>Product code</b>	430-26
<b>Intended use of the substance/preparation</b>	Coating for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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

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.
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 ardous	Haz-
123-86-4	n-butyl acetate	20 - 30%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	10 - 20%	✓	
1330-20-7	xylene	1 - 3%	✓	
7727-43-7	barium sulphate, natural	0.3 - 1.0%		
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
1317-65-3	Limestone (calcium carbonate)	0.3 - 1.0%		
111-65-9	octane	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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>
xylene	TWA	50 ppm

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 Chemical Name
 

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	TWA	217 mg/m3
barium sulphate, natural	TWA	10 mg/m3
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m3
	TWA	434 mg/m3
Limestone (calcium carbonate)	TWA	10 mg/m3
octane	TWA	300 ppm
	STEL	375 ppm
	STEL	1,750 mg/m3
	TWA	1,400 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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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	116 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	7.2 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.05 g/cm <sup>3</sup>	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**

not hazardous

**Acute dermal toxicity**

not hazardous

**Acute inhalation toxicity**

not hazardous

% of unknown composition 0 %

**Skin corrosion/irritation**

n-butyl acetate	Category 3
low boiling point naphtha (<0,1% benzene)	Category 2
xylene	Category 2
ethylbenzene	Category 3
octane	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 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
octane	Category 1

% 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: 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  
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  
B12979085

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

End of Safety Data Sheet

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

<b>Product name</b>	430-27 Ful-Base Bright Yellow
<b>Product code</b>	430-27
<b>Intended use of the substance/preparation</b>	Coating for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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
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 9.1B

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 mild skin irritation. 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. 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.  
 Use personal protective equipment as required.  
 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
123-86-4	n-butyl acetate	20 - 30%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	10 - 20%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	3 - 5%	✓	
142-82-5	heptane (mixture of isomers)	1 - 3%	✓	
108-88-3	toluene	1 - 3%	✓	
1330-20-7	xylene	1 - 3%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
1317-65-3	Limestone (calcium carbonate)	0.3 - 1.0%		
91-20-3	Naphthalene	0.1 - 0.3%	✓	
111-65-9	octane	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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>
heptane (mixture of isomers)	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m <sup>3</sup>
	TWA	1,640 mg/m <sup>3</sup>
toluene	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
xylene	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m <sup>3</sup>
	TWA	434 mg/m <sup>3</sup>
Limestone (calcium carbonate)	TWA	10 mg/m <sup>3</sup>
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m <sup>3</sup>
	TWA	52 mg/m <sup>3</sup>
octane	TWA	300 ppm
	STEL	375 ppm
	STEL	1,750 mg/m <sup>3</sup>
	TWA	1,400 mg/m <sup>3</sup>

**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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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	116 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	8.3 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.05 g/cm <sup>3</sup>	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

n-butyl acetate	Category 3
low boiling point naphtha (<0,1% benzene)	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
heptane (mixture of isomers)	Category 2
toluene	Category 2
xylene	Category 2
ethylbenzene	Category 3
octane	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**

low boiling point naphtha (<0,1% benzene)	Category 1B
Naphthalene	Category 2

**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**

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
heptane (mixture of isomers)	Category 1
toluene	Category 2
xylene	Category 3
ethylbenzene	Category 2
Naphthalene	Category 1
octane	Category 1

**Chronic aquatic toxicity**

Solvent naphtha (petroleum), heavy arom.	Category 2
heptane (mixture of isomers)	Category 1
Naphthalene	Category 1
octane	Category 1

% of unknown composition 13.3%

**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: yes [Solvent naphtha (petroleum), heavy arom.]  
 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	
Skin corrosion/irritation	Category 6.3B
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 9.1B

## 16. Other information

## Revision Note

Version	Changes
1.0	

Revision Date: 2015-01-29  
B13153969

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

End of Safety Data Sheet



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

<b>Product name</b>	430-28 Ful-Base Bright White Pearl
<b>Product code</b>	430-28
<b>Intended use of the substance/preparation</b>	Coating for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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
Carcinogenicity	Category 6.7B
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 mild skin irritation. Suspected of causing cancer. 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. 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 ardous	Haz-
123-86-4	n-butyl acetate	20 - 30%	✓	
12001-26-2	Mica	10 - 20%		
8032-32-4	low boiling point naphtha (<0,1% benzene)	10 - 20%	✓	
13463-67-7	Titanium dioxide	5 - 10%		
108-88-3	toluene	5 - 10%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	1 - 3%	✓	
111-76-2	2-butoxyethanol	1 - 3%	✓	
1330-20-7	xylene	1 - 3%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
1317-65-3	Limestone (calcium carbonate)	0.3 - 1.0%		
91-20-3	Naphthalene	0.1 - 0.3%	✓	
18282-10-5	Tin oxide	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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>
Mica	TWA	3 mg/m <sup>3</sup>
Titanium dioxide	TWA	10 mg/m <sup>3</sup>
toluene	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
2-butoxyethanol	TWA	25 ppm
	TWA	121 mg/m <sup>3</sup>
xylene	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m <sup>3</sup>
Limestone (calcium carbonate)	TWA	434 mg/m <sup>3</sup>
	TWA	10 mg/m <sup>3</sup>
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m <sup>3</sup>
Tin oxide	TWA	52 mg/m <sup>3</sup>
	STEL	0.2 mg/m <sup>3</sup>
	TWA	0.1 mg/m <sup>3</sup>

#### 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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
2-butoxyethanol	Viton (R) <sup>®</sup>	0.7 mm	480 min
	Nitrile rubber	0.33 mm	480 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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	109 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	7.8 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.09 g/cm <sup>3</sup>	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.

#### Ingestion

May result in gastrointestinal distress.

#### Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may 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
low boiling point naphtha (<0,1% benzene)	Category 2
toluene	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
2-butoxyethanol	Category 2
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**

Not classified according to GHS criteria

**Germ cell mutagenicity**

Not classified according to GHS criteria

**Carcinogenicity**

low boiling point naphtha (<0,1% benzene)	Category 1B
Naphthalene	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**

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 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	HSR002669
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Skin corrosion/irritation	Category 6.3B
Carcinogenicity	Category 6.7B
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	





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Version	Changes
Revision Date: B12771102	2015-01-29

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

End of Safety Data Sheet

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

<b>Product name</b>	430-29 Ful-Base Russet Pearl
<b>Product code</b>	430-29
<b>Intended use of the substance/preparation</b>	Coating for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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
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

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. 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.
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. 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 ardous	Haz-
123-86-4	n-butyl acetate	20 - 30%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	10 - 20%	✓	
1309-37-1	Iron oxide	5 - 10%	✓	
12001-26-2	Mica	5 - 10%		
108-88-3	toluene	5 - 10%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	1 - 3%	✓	
64741-65-7	naphtha (petroleum), heavy alkylate (<0,1% benzene)	1 - 3%	✓	
1330-20-7	xylene	1 - 3%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
1317-65-3	Limestone (calcium carbonate)	0.3 - 1.0%		
91-20-3	Naphthalene	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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>
Iron oxide	TWA	5 mg/m <sup>3</sup>
Mica	TWA	3 mg/m <sup>3</sup>
toluene	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
xylene	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m <sup>3</sup>
Limestone (calcium carbonate)	TWA	434 mg/m <sup>3</sup>
	TWA	10 mg/m <sup>3</sup>
	TWA	10 ppm
Naphthalene	STEL	15 ppm
	STEL	79 mg/m <sup>3</sup>
	TWA	52 mg/m <sup>3</sup>

**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    Odour: Characteristic Paint Odor    Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	109 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	7.9 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.09 g/cm <sup>3</sup>	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**

not hazardous

**Acute dermal toxicity**

not hazardous

**Acute inhalation toxicity**

not hazardous

% of unknown composition 0 %

**Skin corrosion/irritation**

n-butyl acetate	Category 3
low boiling point naphtha (<0,1% benzene)	Category 2
Iron oxide	Category 2
toluene	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
naphtha (petroleum), heavy alkylate (<0,1% benzene)	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**

Not classified according to GHS criteria

**Germ cell mutagenicity**

Not classified according to GHS criteria

**Carcinogenicity**

low boiling point naphtha (<0,1% benzene)	Category 1B
Naphthalene	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**

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**

n-butyl acetate	Category 3
Iron oxide	Category 3
toluene	Category 2
xylene	Category 3
ethylbenzene	Category 2
Naphthalene	Category 1

% of unknown composition 12.7%

**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: 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	
Skin corrosion/irritation	Category 6.3B
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

## 16. Other information

### Revision Note

Version	Changes
1.0	

Revision Date: 2015-01-29  
B12771117

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

End of Safety Data Sheet

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

<b>Product name</b>	430-30 Ful-Base Fine Aluminum
<b>Product code</b>	430-30
<b>Intended use of the substance/preparation</b>	Coating for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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
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. 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. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection.</p>

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 ardous	Haz-
123-86-4	n-butyl acetate	20 - 30%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	10 - 20%	✓	
7429-90-5	aluminium powder (stabilized)	5 - 10%	✓	
142-82-5	heptane (mixture of isomers)	5 - 10%	✓	
108-88-3	toluene	3 - 5%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	1 - 3%	✓	
8052-41-3	stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	1 - 3%	✓	
1330-20-7	xylene	1 - 3%	✓	
95-63-6	1,2,4-trimethylbenzene	0.3 - 1.0%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
108-67-8	mesitylene	0.1 - 0.3%	✓	
108-87-2	methylcyclohexane	0.1 - 0.3%	✓	
111-65-9	octane	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 (CO<sub>2</sub>), 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 <sup>3</sup>
aluminium powder (stabilized)	TWA	713 mg/m <sup>3</sup>
	TWA	5 mg/m <sup>3</sup>
	heptane (mixture of isomers)	TWA
	STEL	500 ppm
	STEL	2,050 mg/m <sup>3</sup>
	TWA	1,640 mg/m <sup>3</sup>
toluene	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	TWA	100 ppm
	TWA	525 mg/m <sup>3</sup>
xylene	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m <sup>3</sup>
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m <sup>3</sup>
mesitylene	TWA	434 mg/m <sup>3</sup>
	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m <sup>3</sup>
	TWA	123 mg/m <sup>3</sup>
	methylcyclohexane	TWA

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 Chemical Name
 

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	TWA	1,610 mg/m3
octane	TWA	300 ppm
	STEL	375 ppm
	STEL	1,750 mg/m3
	TWA	1,400 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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) <sup>®</sup>	0.7 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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	92 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	12.9 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	0.97 g/cm <sup>3</sup>	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**

n-butyl acetate	Category 3
low boiling point naphtha (<0,1% benzene)	Category 2
heptane (mixture of isomers)	Category 2
toluene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 2
xylene	Category 2
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 3
mesitylene	Category 3
methylcyclohexane	Category 2
octane	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**

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
heptane (mixture of isomers)	Category 1
toluene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 1
xylene	Category 3
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 2
mesitylene	Category 2
methylcyclohexane	Category 2
octane	Category 1

### Chronic aquatic toxicity

aluminium powder (stabilized)	Category 4
heptane (mixture of isomers)	Category 1
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 1
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
methylcyclohexane	Category 2
octane	Category 1

% of unknown composition 13.6%

### 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: 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
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: 2015-01-29  
 B12771125

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of



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

End of Safety Data Sheet

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

<b>Product name</b>	430-31 Ful-Base Medium Aluminum
<b>Product code</b>	430-31
<b>Intended use of the substance/preparation</b>	Coating for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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
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. 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. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection.</p>

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 ardous	Haz-
123-86-4	n-butyl acetate	20 - 30%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	10 - 20%	✓	
7429-90-5	aluminium powder (stabilized)	5 - 10%	✓	
142-82-5	heptane (mixture of isomers)	5 - 10%	✓	
108-88-3	toluene	3 - 5%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	1 - 3%	✓	
8052-41-3	stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	1 - 3%	✓	
1330-20-7	xylene	1 - 3%	✓	
95-63-6	1,2,4-trimethylbenzene	0.3 - 1.0%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
108-67-8	mesitylene	0.1 - 0.3%	✓	
108-87-2	methylcyclohexane	0.1 - 0.3%	✓	
111-65-9	octane	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 (CO<sub>2</sub>), 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 <sup>3</sup>
aluminium powder (stabilized)	TWA	713 mg/m <sup>3</sup>
	TWA	5 mg/m <sup>3</sup>
	heptane (mixture of isomers)	TWA
	STEL	500 ppm
	STEL	2,050 mg/m <sup>3</sup>
	TWA	1,640 mg/m <sup>3</sup>
toluene	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	TWA	100 ppm
	TWA	525 mg/m <sup>3</sup>
xylene	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m <sup>3</sup>
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m <sup>3</sup>
mesitylene	TWA	434 mg/m <sup>3</sup>
	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m <sup>3</sup>
	TWA	123 mg/m <sup>3</sup>
	methylcyclohexane	TWA



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 Chemical Name
 

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	TWA	1,610 mg/m3
octane	TWA	300 ppm
	STEL	375 ppm
	STEL	1,750 mg/m3
	TWA	1,400 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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) <sup>®</sup>	0.7 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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	92 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	12.1 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	0.98 g/cm <sup>3</sup>	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**

n-butyl acetate	Category 3
low boiling point naphtha (<0,1% benzene)	Category 2
heptane (mixture of isomers)	Category 2
toluene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 2
xylene	Category 2
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 3
mesitylene	Category 3
methylcyclohexane	Category 2
octane	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**

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
heptane (mixture of isomers)	Category 1
toluene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 1
xylene	Category 3
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 2
mesitylene	Category 2
methylcyclohexane	Category 2
octane	Category 1

### Chronic aquatic toxicity

aluminium powder (stabilized)	Category 4
heptane (mixture of isomers)	Category 1
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 1
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
methylcyclohexane	Category 2
octane	Category 1

% of unknown composition 14.1%

### 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: 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
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: 2015-01-29  
 B12771138

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of



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

End of Safety Data Sheet

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

<b>Product name</b>	430-32 Ful-Base Bright Med Aluminum
<b>Product code</b>	430-32
<b>Intended use of the substance/preparation</b>	Coating for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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
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. 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. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection.</p>

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 ardous	Haz-
123-86-4	n-butyl acetate	20 - 30%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	10 - 20%	✓	
7429-90-5	aluminium powder (stabilized)	5 - 10%	✓	
142-82-5	heptane (mixture of isomers)	5 - 10%	✓	
108-88-3	toluene	3 - 5%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	1 - 3%	✓	
64742-48-9	Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	1 - 3%	✓	
1330-20-7	xylene	1 - 3%	✓	
95-63-6	1,2,4-trimethylbenzene	0.3 - 1.0%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
108-67-8	mesitylene	0.1 - 0.3%	✓	
108-87-2	methylcyclohexane	0.1 - 0.3%	✓	
111-65-9	octane	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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>
aluminium powder (stabilized)	TWA	5 mg/m <sup>3</sup>
heptane (mixture of isomers)	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m <sup>3</sup>
	TWA	1,640 mg/m <sup>3</sup>
toluene	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
xylene	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m <sup>3</sup>
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m <sup>3</sup>
	TWA	434 mg/m <sup>3</sup>
mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m <sup>3</sup>
	TWA	123 mg/m <sup>3</sup>
methylcyclohexane	TWA	400 ppm
	TWA	1,610 mg/m <sup>3</sup>
octane	TWA	300 ppm

## Chemical Name

STEL	375 ppm
STEL	1,750 mg/m <sup>3</sup>
TWA	1,400 mg/m <sup>3</sup>

**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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) <sup>®</sup>	0.7 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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 Paint Odor    Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	92 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	11.7 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	0.98 g/cm <sup>3</sup>	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**

n-butyl acetate	Category 3
low boiling point naphtha (<0,1% benzene)	Category 2
heptane (mixture of isomers)	Category 2
toluene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	Category 3
xylene	Category 2
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 3
mesitylene	Category 3
methylcyclohexane	Category 2
octane	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**

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
heptane (mixture of isomers)	Category 1
toluene	Category 2
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
methylcyclohexane	Category 2
octane	Category 1

### Chronic aquatic toxicity

aluminium powder (stabilized)	Category 4
heptane (mixture of isomers)	Category 1
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
methylcyclohexane	Category 2
octane	Category 1

% of unknown composition 13.2%

### 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: 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
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: 2015-01-29  
 B12771141

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

End of Safety Data Sheet

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

<b>Product name</b>	430-33 Ful-Base Sparkle Aluminum
<b>Product code</b>	430-33
<b>Intended use of the substance/preparation</b>	Coating for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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
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. 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. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection.</p>



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 ardous	Haz-
123-86-4	n-butyl acetate	20 - 30%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	10 - 20%	✓	
7429-90-5	aluminium powder (stabilized)	5 - 10%	✓	
142-82-5	heptane (mixture of isomers)	5 - 10%	✓	
108-88-3	toluene	3 - 5%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	1 - 3%	✓	
8052-41-3	stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	1 - 3%	✓	
1330-20-7	xylene	1 - 3%	✓	
95-63-6	1,2,4-trimethylbenzene	0.3 - 1.0%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
108-67-8	mesitylene	0.1 - 0.3%	✓	
108-87-2	methylcyclohexane	0.1 - 0.3%	✓	
111-65-9	octane	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 (CO<sub>2</sub>), 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 <sup>3</sup>
aluminium powder (stabilized)	TWA	713 mg/m <sup>3</sup>
	TWA	5 mg/m <sup>3</sup>
	heptane (mixture of isomers)	TWA
	STEL	500 ppm
	STEL	2,050 mg/m <sup>3</sup>
	TWA	1,640 mg/m <sup>3</sup>
toluene	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	TWA	100 ppm
	TWA	525 mg/m <sup>3</sup>
xylene	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m <sup>3</sup>
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m <sup>3</sup>
mesitylene	TWA	434 mg/m <sup>3</sup>
	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m <sup>3</sup>
	TWA	123 mg/m <sup>3</sup>
	methylcyclohexane	TWA

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 Chemical Name
 

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	TWA	1,610 mg/m3
octane	TWA	300 ppm
	STEL	375 ppm
	STEL	1,750 mg/m3
	TWA	1,400 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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) <sup>®</sup>	0.7 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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 Paint Odor    Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	92 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	10.8 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1 g/cm <sup>3</sup>	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**

n-butyl acetate	Category 3
low boiling point naphtha (<0,1% benzene)	Category 2
heptane (mixture of isomers)	Category 2
toluene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 2
xylene	Category 2
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 3
mesitylene	Category 3
methylcyclohexane	Category 2
octane	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**

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
heptane (mixture of isomers)	Category 1
toluene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 1
xylene	Category 3
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 2
mesitylene	Category 2
methylcyclohexane	Category 2
octane	Category 1

### Chronic aquatic toxicity

aluminium powder (stabilized)	Category 4
heptane (mixture of isomers)	Category 1
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 1
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
methylcyclohexane	Category 2
octane	Category 1

% 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: 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
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:	2015-01-29
B12972600	

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of





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

End of Safety Data Sheet

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

<b>Product name</b>	430-34 Ful-Base Fine Hi-Pak Aluminum
<b>Product code</b>	430-34
<b>Intended use of the substance/preparation</b>	Coating for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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
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. 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.  
 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%	✓	
7429-90-5	aluminium powder (stabilized)	10 - 20%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	10 - 20%	✓	
8052-41-3	stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	3 - 5%	✓	
108-88-3	toluene	3 - 5%	✓	
1330-20-7	xylene	3 - 5%	✓	
95-63-6	1,2,4-trimethylbenzene	1 - 3%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	1 - 3%	✓	
142-82-5	heptane (mixture of isomers)	1 - 3%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
108-67-8	mesitylene	0.1 - 0.3%	✓	
556-67-2	octamethylcyclotetrasiloxane	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 (CO<sub>2</sub>), 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 <sup>3</sup>
aluminium powder (stabilized)	TWA	713 mg/m <sup>3</sup>
	TWA	5 mg/m <sup>3</sup>
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	TWA	100 ppm
	TWA	525 mg/m <sup>3</sup>
toluene	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
xylene	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m <sup>3</sup>
heptane (mixture of isomers)	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m <sup>3</sup>
ethylbenzene	TWA	1,640 mg/m <sup>3</sup>
	TWA	100 ppm
	STEL	125 ppm
mesitylene	STEL	543 mg/m <sup>3</sup>
	TWA	434 mg/m <sup>3</sup>
	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m <sup>3</sup>
	TWA	123 mg/m <sup>3</sup>

### 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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	0.7 mm	480 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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	116 °C
Flash point	10 °C
Evaporation rate	Slower than Ether
Flammability	
Upper explosion limit	10.3 %
Lower explosion limit	0.9 %
Vapour pressure	9.6 hPa

Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.02 g/cm <sup>3</sup>	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**

n-butyl acetate	Category 3
low boiling point naphtha (<0,1% benzene)	Category 2
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 2
toluene	Category 2
xylene	Category 2
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
heptane (mixture of isomers)	Category 2
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**

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
octamethylcyclotetrasiloxane	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**

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
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 1
toluene	Category 2
xylene	Category 3
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
heptane (mixture of isomers)	Category 1
ethylbenzene	Category 2
mesitylene	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
heptane (mixture of isomers)	Category 1
mesitylene	Category 2
octamethylcyclotetrasiloxane	Category 4

% of unknown composition 12.8%

**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: 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
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: 2015-01-29  
B12771165

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

End of Safety Data Sheet

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

<b>Product name</b>	430-35 Ful-Base Fine Med Hi-Pak Alum
<b>Product code</b>	430-35
<b>Intended use of the substance/preparation</b>	Coating for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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
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 mild skin 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. Obtain special instructions before use. Use personal protective equipment as required.</p>

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 ardous	Haz-
123-86-4	n-butyl acetate	20 - 30%	✓	
7429-90-5	aluminium powder (stabilized)	10 - 20%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	10 - 20%	✓	
64742-48-9	Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	3 - 5%	✓	
108-88-3	toluene	3 - 5%	✓	
1330-20-7	xylene	3 - 5%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	1 - 3%	✓	
142-82-5	heptane (mixture of isomers)	1 - 3%	✓	
95-63-6	1,2,4-trimethylbenzene	0.3 - 1.0%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
108-67-8	mesitylene	0.1 - 0.3%	✓	
556-67-2	octamethylcyclotetrasiloxane	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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>
aluminium powder (stabilized)	TWA	5 mg/m <sup>3</sup>
toluene	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
xylene	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>
heptane (mixture of isomers)	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m <sup>3</sup>
1,2,4-trimethylbenzene	TWA	1,640 mg/m <sup>3</sup>
	TWA	25 ppm
	TWA	123 mg/m <sup>3</sup>
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m <sup>3</sup>
mesitylene	TWA	434 mg/m <sup>3</sup>
	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m <sup>3</sup>
	TWA	123 mg/m <sup>3</sup>

**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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	0.7 mm	480 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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 Paint Odor    Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	116 °C	
Flash point	10 °C	
Evapouration rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	9.5 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.01 g/cm <sup>3</sup>	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

n-butyl acetate	Category 3
low boiling point naphtha (<0,1% benzene)	Category 2
Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	Category 3
toluene	Category 2
xylene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
heptane (mixture of isomers)	Category 2
1,2,4-trimethylbenzene	Category 2
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**

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
octamethylcyclotetrasiloxane	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**

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
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
heptane (mixture of isomers)	Category 1
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 2
mesitylene	Category 2

**Chronic aquatic toxicity**

aluminium powder (stabilized)	Category 4
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
heptane (mixture of isomers)	Category 1
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
octamethylcyclotetrasiloxane	Category 4

% of unknown composition 12.8%

**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: 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 6.3B
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:	2015-01-29
B12771174	

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

End of Safety Data Sheet

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

<b>Product name</b>	430-36 Ful-Base Red-Orange
<b>Product code</b>	430-36
<b>Intended use of the substance/preparation</b>	Coating for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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
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. Causes mild skin irritation. 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. 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.  
 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
123-86-4	n-butyl acetate	20 - 30%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	10 - 20%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	3 - 5%	✓	
108-88-3	toluene	1 - 3%	✓	
1330-20-7	xylene	1 - 3%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
1317-65-3	Limestone (calcium carbonate)	0.3 - 1.0%		
7727-43-7	barium sulphate, natural	0.1 - 0.3%		
91-20-3	Naphthalene	0.1 - 0.3%	✓	
111-65-9	octane	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 (CO<sub>2</sub>), 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
	TWA	713 mg/m3
toluene	TWA	50 ppm
	TWA	188 mg/m3
xylene	TWA	50 ppm
	TWA	217 mg/m3
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m3
Limestone (calcium carbonate)	TWA	434 mg/m3
	TWA	10 mg/m3
	TWA	10 mg/m3
barium sulphate, natural	TWA	10 mg/m3
	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m3
Naphthalene	TWA	52 mg/m3
	TWA	300 ppm
	STEL	375 ppm
	STEL	1,750 mg/m3
octane	TWA	1,400 mg/m3
	STEL	
	TWA	

**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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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	116 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	7.4 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.02 g/cm <sup>3</sup>	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

not hazardous

#### Acute dermal toxicity

not hazardous

#### Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

### Skin corrosion/irritation

n-butyl acetate	Category 3
low boiling point naphtha (<0,1% benzene)	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
toluene	Category 2
xylene	Category 2
ethylbenzene	Category 3
octane	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**

low boiling point naphtha (<0,1% benzene)	Category 1B
Naphthalene	Category 2

**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**

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
Naphthalene	Category 1
octane	Category 1

**Chronic aquatic toxicity**

Solvent naphtha (petroleum), heavy arom.	Category 2
Naphthalene	Category 1

octane

Category 1

% of unknown composition 13.3%

**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	
Skin corrosion/irritation	Category 6.3B
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
	B12771625

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

End of Safety Data Sheet

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

<b>Product name</b>	430-37 Ful-Base Phthalo Blue
<b>Product code</b>	430-37
<b>Intended use of the substance/preparation</b>	Coating for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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
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	Highly flammable liquid and vapour. Causes mild skin irritation. 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. 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.  
 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
123-86-4	n-butyl acetate	20 - 30%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	10 - 20%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	3 - 5%	✓	
108-88-3	toluene	3 - 5%	✓	
142-82-5	heptane (mixture of isomers)	1 - 3%	✓	
1330-20-7	xylene	1 - 3%	✓	
7727-43-7	barium sulphate, natural	0.3 - 1.0%		
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
1317-65-3	Limestone (calcium carbonate)	0.3 - 1.0%		
91-20-3	Naphthalene	0.1 - 0.3%	✓	
111-65-9	octane	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 (CO<sub>2</sub>), 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
	TWA	713 mg/m3
toluene	TWA	50 ppm
	TWA	188 mg/m3
heptane (mixture of isomers)	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m3
	TWA	1,640 mg/m3
xylene	TWA	50 ppm
	TWA	217 mg/m3
barium sulphate, natural	TWA	10 mg/m3
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m3
	TWA	434 mg/m3
Limestone (calcium carbonate)	TWA	10 mg/m3
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m3
	TWA	52 mg/m3
octane	TWA	300 ppm
	STEL	375 ppm
	STEL	1,750 mg/m3
	TWA	1,400 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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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	116 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	9.3 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	0.99 g/cm <sup>3</sup>	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

n-butyl acetate	Category 3
low boiling point naphtha (<0,1% benzene)	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
toluene	Category 2
heptane (mixture of isomers)	Category 2
xylene	Category 2
ethylbenzene	Category 3
octane	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**

low boiling point naphtha (<0,1% benzene)	Category 1B
Naphthalene	Category 2

**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**

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
toluene	Category 2
heptane (mixture of isomers)	Category 1
xylene	Category 3
ethylbenzene	Category 2
Naphthalene	Category 1
octane	Category 1

**Chronic aquatic toxicity**

Solvent naphtha (petroleum), heavy arom.	Category 2
heptane (mixture of isomers)	Category 1
Naphthalene	Category 1
octane	Category 1

% 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: 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 [Solvent naphtha (petroleum), heavy arom.]  
 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	
Skin corrosion/irritation	Category 6.3B
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  
1250002534

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

End of Safety Data Sheet

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

<b>Product name</b>	430-38 Ful-Base Indo Blue
<b>Product code</b>	430-38
<b>Intended use of the substance/preparation</b>	Coating for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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
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. Causes mild skin irritation. 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. 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.  
 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
123-86-4	n-butyl acetate	20 - 30%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	10 - 20%	✓	
81-77-6	5,9,14,18-Anthrazinetetrone, 6,15-dihydro-	5 - 10%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	3 - 5%	✓	
142-82-5	heptane (mixture of isomers)	1 - 3%	✓	
108-88-3	toluene	1 - 3%	✓	
1330-20-7	xylene	1 - 3%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
1317-65-3	Limestone (calcium carbonate)	0.3 - 1.0%		
91-20-3	Naphthalene	0.3 - 1.0%	✓	
111-65-9	octane	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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>
heptane (mixture of isomers)	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m <sup>3</sup>
	TWA	1,640 mg/m <sup>3</sup>
toluene	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
xylene	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m <sup>3</sup>
	TWA	434 mg/m <sup>3</sup>
Limestone (calcium carbonate)	TWA	10 mg/m <sup>3</sup>
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m <sup>3</sup>
	TWA	52 mg/m <sup>3</sup>
octane	TWA	300 ppm
	STEL	375 ppm
	STEL	1,750 mg/m <sup>3</sup>
	TWA	1,400 mg/m <sup>3</sup>

**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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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	116 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	9.1 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	0.98 g/cm <sup>3</sup>	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

n-butyl acetate	Category 3
low boiling point naphtha (<0,1% benzene)	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
heptane (mixture of isomers)	Category 2
toluene	Category 2
xylene	Category 2
ethylbenzene	Category 3
octane	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**

low boiling point naphtha (<0,1% benzene)	Category 1B
Naphthalene	Category 2

**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**

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
5,9,14,18-Anthrazinetetrone, 6,15-dihydro-	Category 3
heptane (mixture of isomers)	Category 1
toluene	Category 2
xylene	Category 3
ethylbenzene	Category 2
Naphthalene	Category 1
octane	Category 1

**Chronic aquatic toxicity**

Solvent naphtha (petroleum), heavy arom.	Category 2
heptane (mixture of isomers)	Category 1
Naphthalene	Category 1
octane	Category 1

% 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: 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 [Solvent naphtha (petroleum), heavy arom.]  
 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	
Skin corrosion/irritation	Category 6.3B
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  
B12771190

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

End of Safety Data Sheet

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

<b>Product name</b>	430-39 Ful-Base L.S. Green
<b>Product code</b>	430-39
<b>Intended use of the substance/preparation</b>	Coating for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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
Carcinogenicity	Category 6.7B
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 mild skin irritation. Suspected of causing cancer. 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.  
 Use personal protective equipment as required.  
 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
123-86-4	n-butyl acetate	30 - 40%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	10 - 20%	✓	
142-82-5	heptane (mixture of isomers)	3 - 5%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	1 - 3%	✓	
108-88-3	toluene	1 - 3%	✓	
1330-20-7	xylene	1 - 3%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
7727-43-7	barium sulphate, natural	0.1 - 0.3%		
1317-65-3	Limestone (calcium carbonate)	0.1 - 0.3%		
91-20-3	Naphthalene	0.1 - 0.3%	✓	
111-65-9	octane	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 (CO<sub>2</sub>), 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
	TWA	713 mg/m3
heptane (mixture of isomers)	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m3
	TWA	1,640 mg/m3
toluene	TWA	50 ppm
	TWA	188 mg/m3
xylene	TWA	50 ppm
	TWA	217 mg/m3
	TWA	100 ppm
ethylbenzene	STEL	125 ppm
	STEL	543 mg/m3
	TWA	434 mg/m3
barium sulphate, natural	TWA	10 mg/m3
Limestone (calcium carbonate)	TWA	10 mg/m3
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m3
	TWA	52 mg/m3
octane	TWA	300 ppm
	STEL	375 ppm
	STEL	1,750 mg/m3
	TWA	1,400 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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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	116 °C
Flash point	10 °C
Evaporation rate	Slower than Ether
Flammability	
Upper explosion limit	10.3 %
Lower explosion limit	0.9 %
Vapour pressure	10.7 hPa
Solubility(ies)	partly miscible
Vapour density	no data available
Density	0.96 g/cm <sup>3</sup> 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**

n-butyl acetate	Category 3
low boiling point naphtha (<0,1% benzene)	Category 2
heptane (mixture of isomers)	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
toluene	Category 2
xylene	Category 2
ethylbenzene	Category 3
octane	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**

low boiling point naphtha (<0,1% benzene)	Category 1B
Naphthalene	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**

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**

n-butyl acetate	Category 3
heptane (mixture of isomers)	Category 1
toluene	Category 2
xylene	Category 3
ethylbenzene	Category 2
Naphthalene	Category 1
octane	Category 1

**Chronic aquatic toxicity**

heptane (mixture of isomers)	Category 1
Solvent naphtha (petroleum), heavy arom.	Category 2
Naphthalene	Category 1
octane	Category 1

% of unknown composition 14.3%

**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: 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	HSR002669
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Skin corrosion/irritation	Category 6.3B
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 9.1B
Chronic aquatic toxicity	Category 9.1B

**16. Other information**

## Revision Note

Version	Changes
1.0	
Revision Date:	2015-01-29
	B12771202

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

End of Safety Data Sheet

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

<b>Product name</b>	430-40 Ful-Base Mixing Clear
<b>Product code</b>	430-40
<b>Intended use of the substance/preparation</b>	Coating for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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
Carcinogenicity	Category 6.7B
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. Suspected of causing cancer. 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.  
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%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	10 - 20%	✓	
108-88-3	toluene	5 - 10%	✓	
142-82-5	heptane (mixture of isomers)	3 - 5%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	1 - 3%	✓	
763-69-9	ethyl 3-ethoxypropionate	1 - 3%	✓	
1330-20-7	xylene	1 - 3%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
108-87-2	methylcyclohexane	0.1 - 0.3%	✓	
91-20-3	Naphthalene	0.1 - 0.3%	✓	
111-65-9	octane	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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>
toluene	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
heptane (mixture of isomers)	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m <sup>3</sup>
	TWA	1,640 mg/m <sup>3</sup>
xylene	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m <sup>3</sup>
	TWA	434 mg/m <sup>3</sup>
methylcyclohexane	TWA	400 ppm
	TWA	1,610 mg/m <sup>3</sup>
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m <sup>3</sup>
	TWA	52 mg/m <sup>3</sup>
octane	TWA	300 ppm
	STEL	375 ppm
	STEL	1,750 mg/m <sup>3</sup>
	TWA	1,400 mg/m <sup>3</sup>

**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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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	92 °C
Flash point	10 °C
Evaporation rate	Slower than Ether
Flammability	
Upper explosion limit	10.3 %
Lower explosion limit	0.9 %
Vapour pressure	11.8 hPa
Solubility(ies)	partly miscible
Vapour density	no data available
Density	0.94 g/cm <sup>3</sup> 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**

n-butyl acetate	Category 3
low boiling point naphtha (<0,1% benzene)	Category 2
toluene	Category 2
heptane (mixture of isomers)	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
ethyl 3-ethoxypropionate	Category 3
xylene	Category 2
ethylbenzene	Category 3
methylcyclohexane	Category 2
octane	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**

low boiling point naphtha (<0,1% benzene)	Category 1B
Naphthalene	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**

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
heptane (mixture of isomers)	Category 1
ethyl 3-ethoxypropionate	Category 3
xylene	Category 3
ethylbenzene	Category 2
methylcyclohexane	Category 2
Naphthalene	Category 1
octane	Category 1

**Chronic aquatic toxicity**

heptane (mixture of isomers)	Category 1
Solvent naphtha (petroleum), heavy arom.	Category 2
methylcyclohexane	Category 2
Naphthalene	Category 1
octane	Category 1

% of unknown composition 15.4%

**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: 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	HSR002669
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Skin corrosion/irritation	Category 6.3A
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 9.1B
Chronic aquatic toxicity	Category 9.1B

## 16. Other information

## Revision Note

Version	Changes
1.0	

Revision Date: 2015-01-29  
B12784462

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

End of Safety Data Sheet



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

<b>Product name</b>	430-41 Ful-Base Quindo Maroon
<b>Product code</b>	430-41
<b>Intended use of the substance/preparation</b>	Coating for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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
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. Causes skin irritation. Causes serious eye damage. Suspected of causing cancer. 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. Keep container tightly closed. Obtain special instructions before use.</p>

Wear protective gloves/protective clothing/eye protection/face protection.  
 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-
123-86-4	n-butyl acetate	30 - 40%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	10 - 20%	✓	
90218-35-2	Surfactant w	3 - 5%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	1 - 3%	✓	
1330-20-7	xylene	1 - 3%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
1317-65-3	Limestone (calcium carbonate)	0.3 - 1.0%		
108-88-3	toluene	0.3 - 1.0%	✓	
91-20-3	Naphthalene	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.

**Ingestion**

May result in gastrointestinal distress.

**Skin 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 (CO<sub>2</sub>), 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 <sup>3</sup>
xylene	TWA	713 mg/m <sup>3</sup>
	TWA	50 ppm
ethylbenzene	TWA	217 mg/m <sup>3</sup>
	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m <sup>3</sup>
Limestone (calcium carbonate)	TWA	434 mg/m <sup>3</sup>
	TWA	10 mg/m <sup>3</sup>
toluene	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m <sup>3</sup>
	TWA	52 mg/m <sup>3</sup>

**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: brown    Odour: Characteristic Paint Odor    Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	116 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	8.2 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1 g/cm <sup>3</sup>	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**

not hazardous

**Acute dermal toxicity**

not hazardous

**Acute inhalation toxicity**

not hazardous

% of unknown composition 0 %

**Skin corrosion/irritation**

n-butyl acetate	Category 3
low boiling point naphtha (<0,1% benzene)	Category 2
Surfactant w	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
xylene	Category 2
ethylbenzene	Category 3
toluene	Category 2
1-Hexadecanaminium, N,N,N-trimethyl-, chloride (1:1)	Category 1C

**Serious eye damage/eye irritation**

low boiling point naphtha (<0,1% benzene)	Category 2A
Surfactant w	Category 1
xylene	Category 2A
ethylbenzene	Category 2B
toluene	Category 2B
1-Hexadecanaminium, N,N,N-trimethyl-, chloride (1:1)	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**

low boiling point naphtha (<0,1% benzene)	Category 1B
Naphthalene	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**

n-butyl acetate	Category 3
xylene	Category 3
ethylbenzene	Category 2
toluene	Category 2
Naphthalene	Category 1
1-Hexadecanaminium, N,N,N-trimethyl-, chloride (1:1)	Category 1

**Chronic aquatic toxicity**

Surfactant w	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
Naphthalene	Category 1
1-Hexadecanaminium, N,N,N-trimethyl-, chloride (1:1)	Category 1

% of unknown composition 12.6%

**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	HSR002669
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
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: 2015-01-29  
B12771225

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

End of Safety Data Sheet

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

<b>Product name</b>	430-43 Ful-Base Green Blue
<b>Product code</b>	430-43
<b>Intended use of the substance/preparation</b>	Coating for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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
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

Highly flammable liquid and vapour.  
Causes mild skin 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.  
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 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: rosin. 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%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	10 - 20%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	3 - 5%	✓	
108-88-3	toluene	1 - 3%	✓	
1330-20-7	xylene	1 - 3%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
1317-65-3	Limestone (calcium carbonate)	0.3 - 1.0%		
7727-43-7	barium sulphate, natural	0.1 - 0.3%		
91-20-3	Naphthalene	0.1 - 0.3%	✓	
111-65-9	octane	0.1 - 0.3%	✓	
8050-09-7	rosin	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.

**Ingestion**

May result in gastrointestinal distress.

**Skin 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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>
toluene	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
xylene	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m <sup>3</sup>
Limestone (calcium carbonate)	TWA	434 mg/m <sup>3</sup>
	TWA	10 mg/m <sup>3</sup>
	TWA	10 mg/m <sup>3</sup>
barium sulphate, natural	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m <sup>3</sup>
Naphthalene	TWA	52 mg/m <sup>3</sup>
	TWA	300 ppm
	STEL	375 ppm
octane	STEL	1,750 mg/m <sup>3</sup>

Chemical Name

TWA 1,400 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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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	116 °C
Flash point	10 °C

Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	8.9 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	0.98 g/cm <sup>3</sup>	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

not hazardous

#### Acute dermal toxicity

not hazardous

#### Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

**Skin corrosion/irritation**

n-butyl acetate	Category 3
low boiling point naphtha (<0,1% benzene)	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
toluene	Category 2
xylene	Category 2
ethylbenzene	Category 3
octane	Category 2
rosin	Category 3
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**

rosin Category 1

**Germ cell mutagenicity**

Not classified according to GHS criteria

**Carcinogenicity**

low boiling point naphtha (<0,1% benzene)	Category 1B
Naphthalene	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**

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**

n-butyl acetate	Category 3
toluene	Category 2
xylene	Category 3
ethylbenzene	Category 2
Naphthalene	Category 1
octane	Category 1
rosin	Category 2
1-Hexadecanaminium, N,N,N-trimethyl-, chloride (1:1)	Category 1

**Chronic aquatic toxicity**

Solvent naphtha (petroleum), heavy arom.	Category 2
Naphthalene	Category 1
octane	Category 1
rosin	Category 2
1-Hexadecanaminium, N,N,N-trimethyl-, chloride (1:1)	Category 1

% 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: 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	
Skin corrosion/irritation	Category 6.3B
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  
B12771238

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

End of Safety Data Sheet

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

<b>Product name</b>	430-44 Ful-Base Blue
<b>Product code</b>	430-44
<b>Intended use of the substance/preparation</b>	Coating for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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
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

Highly flammable liquid and vapour.  
Causes mild skin 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.  
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 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	Haz- ardous
123-86-4	n-butyl acetate	30 - 40%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	10 - 20%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	3 - 5%	✓	
108-88-3	toluene	3 - 5%	✓	
1330-20-7	xylene	1 - 3%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
1317-65-3	Limestone (calcium carbonate)	0.3 - 1.0%		
91-20-3	Naphthalene	0.1 - 0.3%	✓	
111-65-9	octane	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 (CO<sub>2</sub>), 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		
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m <sup>3</sup>
toluene	TWA	713 mg/m <sup>3</sup>
	TWA	50 ppm
xylene	TWA	188 mg/m <sup>3</sup>
	TWA	50 ppm
ethylbenzene	TWA	217 mg/m <sup>3</sup>
	TWA	100 ppm
	STEL	125 ppm
Limestone (calcium carbonate)	STEL	543 mg/m <sup>3</sup>
	TWA	434 mg/m <sup>3</sup>
	TWA	10 mg/m <sup>3</sup>
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m <sup>3</sup>
octane	TWA	52 mg/m <sup>3</sup>
	TWA	300 ppm
	STEL	375 ppm
	STEL	1,750 mg/m <sup>3</sup>
	TWA	1,400 mg/m <sup>3</sup>

**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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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	116 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	8.7 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	0.99 g/cm <sup>3</sup>	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

not hazardous

#### Acute dermal toxicity

not hazardous

#### Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

### Skin corrosion/irritation

n-butyl acetate	Category 3
low boiling point naphtha (<0,1% benzene)	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
toluene	Category 2
xylene	Category 2
ethylbenzene	Category 3
octane	Category 2



**Serious eye damage/eye irritation**

Not classified according to GHS criteria

**Respiratory sensitisation**

Not classified according to GHS criteria

**Skin sensitisation**

No data available.

**Germ cell mutagenicity**

Not classified according to GHS criteria

**Carcinogenicity**

low boiling point naphtha (<0,1% benzene)	Category 1B
Naphthalene	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**

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**

n-butyl acetate	Category 3
toluene	Category 2
xylene	Category 3
ethylbenzene	Category 2
Naphthalene	Category 1
octane	Category 1

**Chronic aquatic toxicity**

Solvent naphtha (petroleum), heavy arom.	Category 2
Naphthalene	Category 1

octane

Category 1

% of unknown composition 13.6%

**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	HSR002669
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
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  
B13040594

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

End of Safety Data Sheet

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

<b>Product name</b>	430-45 Ful-Base Clean Magenta
<b>Product code</b>	430-45
<b>Intended use of the substance/preparation</b>	Coating for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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

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.
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 ardous	Haz-
123-86-4	n-butyl acetate	30 - 40%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	10 - 20%	✓	
108-65-6	2-methoxy-1-methylethyl acetate	3 - 5%	✓	
7727-43-7	barium sulphate, natural	1 - 3%		
1330-20-7	xylene	1 - 3%	✓	
100-41-4	ethylbenzene	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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>
barium sulphate, natural	TWA	10 mg/m <sup>3</sup>

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 Chemical Name
 

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xylene	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m <sup>3</sup>
	TWA	434 mg/m <sup>3</sup>

**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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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	116 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	8.1 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1 g/cm <sup>3</sup>	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**

not hazardous

**Acute dermal toxicity**

not hazardous

**Acute inhalation toxicity**

not hazardous

% of unknown composition 0 %

**Skin corrosion/irritation**

n-butyl acetate	Category 3
low boiling point naphtha (<0,1% benzene)	Category 2
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**

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
ethylbenzene	Category 2

% of unknown composition 12.2%

**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:	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
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
1250002374	

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

End of Safety Data Sheet

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

<b>Product name</b>	430-46 Ful-Base Monastral Gold
<b>Product code</b>	430-46
<b>Intended use of the substance/preparation</b>	Coating for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
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. 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 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. 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 ardous	Haz-
123-86-4	n-butyl acetate	20 - 30%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	10 - 20%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	3 - 5%	✓	
108-88-3	toluene	3 - 5%	✓	
1330-20-7	xylene	1 - 3%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
1317-65-3	Limestone (calcium carbonate)	0.3 - 1.0%		
91-20-3	Naphthalene	0.1 - 0.3%	✓	
111-65-9	octane	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 (CO<sub>2</sub>), 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 <sup>3</sup>
toluene	TWA	713 mg/m <sup>3</sup>
	TWA	50 ppm
xylene	TWA	188 mg/m <sup>3</sup>
	TWA	50 ppm
ethylbenzene	TWA	217 mg/m <sup>3</sup>
	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m <sup>3</sup>
Limestone (calcium carbonate)	TWA	434 mg/m <sup>3</sup>
	TWA	10 mg/m <sup>3</sup>
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m <sup>3</sup>
	TWA	52 mg/m <sup>3</sup>
octane	TWA	300 ppm
	STEL	375 ppm
	STEL	1,750 mg/m <sup>3</sup>
	TWA	1,400 mg/m <sup>3</sup>

#### 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: yellow    Odour: Characteristic Paint Odor    Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	116 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	8.0 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.01 g/cm <sup>3</sup>	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**

not hazardous

**Acute dermal toxicity**

not hazardous

**Acute inhalation toxicity**

not hazardous

% of unknown composition 0 %

**Skin corrosion/irritation**

n-butyl acetate	Category 3
low boiling point naphtha (<0,1% benzene)	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
toluene	Category 2
xylene	Category 2
ethylbenzene	Category 3
octane	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**

Not classified according to GHS criteria

**Germ cell mutagenicity**

Not classified according to GHS criteria

**Carcinogenicity**

low boiling point naphtha (<0,1% benzene)	Category 1B
Naphthalene	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**

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.

**Chronic aquatic toxicity**

Solvent naphtha (petroleum), heavy arom.	Category 2
Naphthalene	Category 1
octane	Category 1
1-Hexadecanaminium, N,N,N-trimethyl-, chloride (1:1)	Category 1

% of unknown composition 24.5%

**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: 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	
Skin corrosion/irritation	Category 6.3B
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Flammable liquids	Category 3.1B
Chronic aquatic toxicity	Category 9.1C

## 16. Other information

### Revision Note

Version	Changes
1.0	



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Version    Changes

Revision Date: 2015-01-29  
B12771255

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

End of Safety Data Sheet

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

<b>Product name</b>	430-47 Ful-Base Blue Pearl
<b>Product code</b>	430-47
<b>Intended use of the substance/preparation</b>	Coating for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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
Carcinogenicity	Category 6.7B
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 mild skin irritation. Suspected of causing cancer. 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. 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 ardous	Haz-
123-86-4	n-butyl acetate	20 - 30%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	10 - 20%	✓	
13463-67-7	Titanium dioxide	5 - 10%		
108-88-3	toluene	5 - 10%	✓	
12001-26-2	Mica	3 - 5%		
64742-94-5	Solvent naphtha (petroleum), heavy arom.	1 - 3%	✓	
111-76-2	2-butoxyethanol	1 - 3%	✓	
1330-20-7	xylene	1 - 3%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
1317-65-3	Limestone (calcium carbonate)	0.3 - 1.0%		
91-20-3	Naphthalene	0.1 - 0.3%	✓	
111-65-9	octane	0.1 - 0.3%	✓	
18282-10-5	Tin oxide	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 (CO<sub>2</sub>), 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 <sup>3</sup>
Titanium dioxide	TWA	713 mg/m <sup>3</sup>
	TWA	10 mg/m <sup>3</sup>
toluene	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
Mica	TWA	3 mg/m <sup>3</sup>
2-butoxyethanol	TWA	25 ppm
	TWA	121 mg/m <sup>3</sup>
xylene	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m <sup>3</sup>
Limestone (calcium carbonate)	TWA	434 mg/m <sup>3</sup>
	TWA	10 mg/m <sup>3</sup>
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m <sup>3</sup>
octane	TWA	52 mg/m <sup>3</sup>
	TWA	300 ppm
	STEL	375 ppm
Tin oxide	STEL	1,750 mg/m <sup>3</sup>
	TWA	1,400 mg/m <sup>3</sup>
Tin oxide	STEL	0.2 mg/m <sup>3</sup>
	TWA	0.1 mg/m <sup>3</sup>

### 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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
2-butoxyethanol	Viton (R) <sup>®</sup>	0.7 mm	480 min
	Nitrile rubber	0.33 mm	480 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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	109 °C	
Flash point	10 °C	
Evapouration rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	8.8 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.04 g/cm <sup>3</sup>	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	224 °C	DIN 51794

Decomposition temperature	Not applicable.	ISO 2431-1993
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

not hazardous

% of unknown composition 0 %

### Skin corrosion/irritation

n-butyl acetate	Category 3
low boiling point naphtha (<0,1% benzene)	Category 2
toluene	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
2-butoxyethanol	Category 2
xylene	Category 2
ethylbenzene	Category 3
octane	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**

low boiling point naphtha (<0,1% benzene)	Category 1B
Naphthalene	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**

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.

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

**Mobility in soil**

No information available.

**Other adverse effects**

No information available.

## 13. DISPOSAL 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	
Skin corrosion/irritation	Category 6.3B
Carcinogenicity	Category 6.7B
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	



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Version	Changes
Revision Date: B12771265	2015-01-29

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

End of Safety Data Sheet

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

<b>Product name</b>	430-48 Ful-Base X-Fine Hi-Pak Alum
<b>Product code</b>	430-48
<b>Intended use of the substance/preparation</b>	Coating for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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
Carcinogenicity	Category 6.7B
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. Suspected of causing cancer. 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.  
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%	✓	
1332-37-2	Red iron oxide light	10 - 20%		
8032-32-4	low boiling point naphtha (<0,1% benzene)	10 - 20%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	3 - 5%	✓	
108-88-3	toluene	3 - 5%	✓	
1330-20-7	xylene	3 - 5%	✓	
100-41-4	ethylbenzene	1 - 3%	✓	
142-82-5	heptane (mixture of isomers)	1 - 3%	✓	
1317-65-3	Limestone (calcium carbonate)	0.3 - 1.0%		
91-20-3	Naphthalene	0.1 - 0.3%	✓	
111-65-9	octane	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 (CO<sub>2</sub>), 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
	TWA	713 mg/m3
Red iron oxide light	TWA	1 mg/m3
toluene	TWA	50 ppm
	TWA	188 mg/m3
xylene	TWA	50 ppm
	TWA	217 mg/m3
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m3
heptane (mixture of isomers)	TWA	434 mg/m3
	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m3
Limestone (calcium carbonate)	TWA	1,640 mg/m3
	TWA	10 mg/m3
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m3
	TWA	52 mg/m3
octane	TWA	300 ppm
	STEL	375 ppm
	STEL	1,750 mg/m3
	TWA	1,400 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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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	116 °C
Flash point	10 °C
Evaporation rate	Slower than Ether
Flammability	
Upper explosion limit	10.3 %
Lower explosion limit	0.9 %
Vapour pressure	9.2 hPa
Solubility(ies)	partly miscible
Vapour density	no data available
Density	1.06 g/cm <sup>3</sup> 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**

n-butyl acetate	Category 3
Red iron oxide light	Category 2
low boiling point naphtha (<0,1% benzene)	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
toluene	Category 2
xylene	Category 2
ethylbenzene	Category 3
heptane (mixture of isomers)	Category 2
octane	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**

low boiling point naphtha (<0,1% benzene)	Category 1B
Naphthalene	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**

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**

n-butyl acetate	Category 3
toluene	Category 2
xylene	Category 3
ethylbenzene	Category 2
heptane (mixture of isomers)	Category 1
Naphthalene	Category 1
octane	Category 1

**Chronic aquatic toxicity**

Solvent naphtha (petroleum), heavy arom.	Category 2
heptane (mixture of isomers)	Category 1
Naphthalene	Category 1
octane	Category 1

% 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: 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	HSR002669
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Skin corrosion/irritation	Category 6.3A
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 9.1B
Chronic aquatic toxicity	Category 9.1B

## 16. Other information

## Revision Note

Version	Changes
1.0	
Revision Date:	2015-01-29
B12917999	

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

End of Safety Data Sheet

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

<b>Product name</b>	430-49 Ful-Base Fine Bright Aluminum
<b>Product code</b>	430-49
<b>Intended use of the substance/preparation</b>	Coating for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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
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. 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. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection.</p>

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 ardous	Haz-
123-86-4	n-butyl acetate	20 - 30%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	10 - 20%	✓	
7429-90-5	aluminium powder (stabilized)	5 - 10%	✓	
142-82-5	heptane (mixture of isomers)	5 - 10%	✓	
64742-48-9	Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	3 - 5%	✓	
108-88-3	toluene	3 - 5%	✓	
1330-20-7	xylene	1 - 3%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
95-63-6	1,2,4-trimethylbenzene	0.1 - 0.3%	✓	
108-87-2	methylcyclohexane	0.1 - 0.3%	✓	
111-65-9	octane	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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>
aluminium powder (stabilized)	TWA	5 mg/m <sup>3</sup>
heptane (mixture of isomers)	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m <sup>3</sup>
	TWA	1,640 mg/m <sup>3</sup>
toluene	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
xylene	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m <sup>3</sup>
1,2,4-trimethylbenzene	TWA	434 mg/m <sup>3</sup>
	TWA	25 ppm
	TWA	123 mg/m <sup>3</sup>
methylcyclohexane	TWA	400 ppm
	TWA	1,610 mg/m <sup>3</sup>
octane	TWA	300 ppm
	STEL	375 ppm
	STEL	1,750 mg/m <sup>3</sup>
	TWA	1,400 mg/m <sup>3</sup>

**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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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 Paint Odor    Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	92 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	12.8 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	0.97 g/cm <sup>3</sup>	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

n-butyl acetate	Category 3
low boiling point naphtha (<0,1% benzene)	Category 2
heptane (mixture of isomers)	Category 2
Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	Category 3
toluene	Category 2
xylene	Category 2
ethylbenzene	Category 3
1,2,4-trimethylbenzene	Category 2
methylcyclohexane	Category 2
octane	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**

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
heptane (mixture of isomers)	Category 1
toluene	Category 2
xylene	Category 3
ethylbenzene	Category 2
1,2,4-trimethylbenzene	Category 2
methylcyclohexane	Category 2
octane	Category 1

**Chronic aquatic toxicity**

aluminium powder (stabilized)	Category 4
heptane (mixture of isomers)	Category 1
1,2,4-trimethylbenzene	Category 2
methylcyclohexane	Category 2
octane	Category 1

% of unknown composition 13.5%

**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: 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
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:	2015-01-29
B12771390	

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

End of Safety Data Sheet

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

<b>Product name</b>	430-50 Ful-Base Bronze Pearl
<b>Product code</b>	430-50
<b>Intended use of the substance/preparation</b>	Coating for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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
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

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. 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.
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. 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 ardous	Haz-
123-86-4	n-butyl acetate	10 - 20%	✓	
12001-26-2	Mica	10 - 20%		
8032-32-4	low boiling point naphtha (<0,1% benzene)	10 - 20%	✓	
1309-37-1	Iron oxide	5 - 10%	✓	
108-88-3	toluene	5 - 10%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	1 - 3%	✓	
111-76-2	2-butoxyethanol	1 - 3%	✓	
1330-20-7	xylene	1 - 3%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
1317-65-3	Limestone (calcium carbonate)	0.3 - 1.0%		
91-20-3	Naphthalene	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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>
Mica	TWA	3 mg/m <sup>3</sup>
Iron oxide	TWA	5 mg/m <sup>3</sup>
toluene	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
2-butoxyethanol	TWA	25 ppm
	TWA	121 mg/m <sup>3</sup>
xylene	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m <sup>3</sup>
Limestone (calcium carbonate)	TWA	434 mg/m <sup>3</sup>
	TWA	10 mg/m <sup>3</sup>
	TWA	10 ppm
Naphthalene	STEL	15 ppm
	STEL	79 mg/m <sup>3</sup>
	TWA	52 mg/m <sup>3</sup>

**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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
2-butoxyethanol	Viton (R) <sup>®</sup>	0.7 mm	480 min
	Nitrile rubber	0.33 mm	480 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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	109 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	7.4 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.13 g/cm <sup>3</sup>	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.

#### Ingestion

May result in gastrointestinal distress.

#### Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may 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
low boiling point naphtha (<0,1% benzene)	Category 2
Iron oxide	Category 2
toluene	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
2-butoxyethanol	Category 2
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**

Not classified according to GHS criteria

**Germ cell mutagenicity**

Not classified according to GHS criteria

**Carcinogenicity**

low boiling point naphtha (<0,1% benzene)	Category 1B
Naphthalene	Category 2

**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**

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
Iron oxide	Category 3
toluene	Category 2
xylene	Category 3
ethylbenzene	Category 2
Naphthalene	Category 1

% of unknown composition 12.6%

**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	HSR002669
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Skin corrosion/irritation	Category 6.3B
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

**16. Other information**

## Revision Note

Version	Changes
1.0	

Revision Date: 2015-01-29  
B12771274

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

End of Safety Data Sheet



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

<b>Product name</b>	430-51 Ful-Base Green Pearl
<b>Product code</b>	430-51
<b>Intended use of the substance/preparation</b>	Coating for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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
Carcinogenicity	Category 6.7B
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. Suspected of causing cancer. 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. 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%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	10 - 20%	✓	
13463-67-7	Titanium dioxide	5 - 10%		
108-88-3	toluene	5 - 10%	✓	
12001-26-2	Mica	3 - 5%		
64742-94-5	Solvent naphtha (petroleum), heavy arom.	1 - 3%	✓	
111-76-2	2-butoxyethanol	1 - 3%	✓	
1330-20-7	xylene	1 - 3%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
1317-65-3	Limestone (calcium carbonate)	0.3 - 1.0%		
91-20-3	Naphthalene	0.1 - 0.3%	✓	
111-65-9	octane	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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>
Titanium dioxide	TWA	10 mg/m <sup>3</sup>
toluene	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
Mica	TWA	3 mg/m <sup>3</sup>
2-butoxyethanol	TWA	25 ppm
	TWA	121 mg/m <sup>3</sup>
xylene	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m <sup>3</sup>
	TWA	434 mg/m <sup>3</sup>
Limestone (calcium carbonate)	TWA	10 mg/m <sup>3</sup>
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m <sup>3</sup>
	TWA	52 mg/m <sup>3</sup>
octane	TWA	300 ppm
	STEL	375 ppm
	STEL	1,750 mg/m <sup>3</sup>
	TWA	1,400 mg/m <sup>3</sup>

### 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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
2-butoxyethanol	Viton (R) <sup>®</sup>	0.7 mm	480 min
	Nitrile rubber	0.33 mm	480 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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	109 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	8.5 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.07 g/cm <sup>3</sup>	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.

#### Ingestion

May result in gastrointestinal distress.

#### Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may 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
low boiling point naphtha (<0,1% benzene)	Category 2
toluene	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
2-butoxyethanol	Category 2
xylene	Category 2
ethylbenzene	Category 3
octane	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**

low boiling point naphtha (<0,1% benzene)	Category 1B
Naphthalene	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**

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.

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

**Mobility in soil**

No information available.

**Other adverse effects**

No information available.

## 13. DISPOSAL 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	
Skin corrosion/irritation	Category 6.3A
Carcinogenicity	Category 6.7B
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	





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Version	Changes
Revision Date: 2430-26922	2015-01-29

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

End of Safety Data Sheet

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

<b>Product name</b>	430-52 Ful-Base Deep Bright Red
<b>Product code</b>	430-52
<b>Intended use of the substance/preparation</b>	Coating for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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; 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
123-86-4	n-butyl acetate	20 - 30%	✓	
1330-20-7	xylene	20 - 30%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	3 - 5%	✓	
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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>
xylene	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m <sup>3</sup>
	TWA	434 mg/m <sup>3</sup>
pentyl acetate	TWA	100 ppm
	TWA	532 mg/m <sup>3</sup>
methyl methacrylate	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m <sup>3</sup>
	TWA	208 mg/m <sup>3</sup>
toluene	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>

**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    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	7.4 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	0.96 g/cm <sup>3</sup>	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**

not hazardous

**Acute dermal toxicity**

not hazardous

**Acute inhalation toxicity**

xylene	Category 4
ethylbenzene	Category 4
low boiling point naphtha (<0,1% benzene)	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

**Skin corrosion/irritation**

n-butyl acetate	Category 3
xylene	Category 2
ethylbenzene	Category 3
low boiling point naphtha (<0,1% benzene)	Category 2
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**

n-butyl acetate	Category 3
xylene	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 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: 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: 2015-01-29  
B12771674

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

End of Safety Data Sheet

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

<b>Product name</b>	430-53 Ful-Base Crystal Frost White Pearl
<b>Product code</b>	430-53
<b>Intended use of the substance/preparation</b>	Coating for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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

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.
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 ardous	Haz-
123-86-4	n-butyl acetate	30 - 40%	✓	
13463-67-7	Titanium dioxide	20 - 30%		
8032-32-4	low boiling point naphtha (<0,1% benzene)	5 - 10%	✓	
1344-28-1	Aluminum oxide (Al <sub>2</sub> O <sub>3</sub> )	1 - 3%		
1330-20-7	xylene	1 - 3%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
1314-23-4	Zirconium oxide	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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>
Titanium dioxide	TWA	10 mg/m <sup>3</sup>

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 Chemical Name
 

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Aluminum oxide (Al <sub>2</sub> O <sub>3</sub> )	TWA	2 mg/m <sup>3</sup>
xylene	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m <sup>3</sup>
	TWA	434 mg/m <sup>3</sup>
Zirconium oxide	STEL	10 mg/m <sup>3</sup>
	TWA	5 mg/m <sup>3</sup>

**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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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	116 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	6.9 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.26 g/cm <sup>3</sup>	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**

not hazardous

**Acute dermal toxicity**

not hazardous

**Acute inhalation toxicity**

not hazardous

% of unknown composition 0 %

**Skin corrosion/irritation**

n-butyl acetate	Category 3
low boiling point naphtha (<0,1% benzene)	Category 2
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**

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

% of unknown composition 8.2%

### 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: 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  
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  
B12771290

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

End of Safety Data Sheet

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

<b>Product name</b>	430-54 Ful-Base Purple Pearl
<b>Product code</b>	430-54
<b>Intended use of the substance/preparation</b>	Coating for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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
Carcinogenicity	Category 6.7B
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 mild skin irritation. Suspected of causing cancer. 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. 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 ardous	Haz-
123-86-4	n-butyl acetate	20 - 30%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	10 - 20%	✓	
12001-26-2	Mica	5 - 10%		
13463-67-7	Titanium dioxide	5 - 10%		
108-88-3	toluene	5 - 10%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	1 - 3%	✓	
111-76-2	2-butoxyethanol	1 - 3%	✓	
1330-20-7	xylene	1 - 3%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
1317-65-3	Limestone (calcium carbonate)	0.3 - 1.0%		
91-20-3	Naphthalene	0.1 - 0.3%	✓	
18282-10-5	Tin oxide	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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>
Mica	TWA	3 mg/m <sup>3</sup>
Titanium dioxide	TWA	10 mg/m <sup>3</sup>
toluene	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
2-butoxyethanol	TWA	25 ppm
	TWA	121 mg/m <sup>3</sup>
xylene	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m <sup>3</sup>
Limestone (calcium carbonate)	TWA	434 mg/m <sup>3</sup>
	TWA	10 mg/m <sup>3</sup>
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m <sup>3</sup>
Tin oxide	TWA	52 mg/m <sup>3</sup>
	STEL	0.2 mg/m <sup>3</sup>
	TWA	0.1 mg/m <sup>3</sup>

#### 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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
2-butoxyethanol	Viton (R) <sup>®</sup>	0.7 mm	480 min
	Nitrile rubber	0.33 mm	480 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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    Odour: Characteristic Paint Odor    Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	109 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	7.7 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.1 g/cm <sup>3</sup>	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.

#### Ingestion

May result in gastrointestinal distress.

#### Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may 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
low boiling point naphtha (<0,1% benzene)	Category 2
toluene	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
2-butoxyethanol	Category 2
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**

Not classified according to GHS criteria

**Germ cell mutagenicity**

Not classified according to GHS criteria

**Carcinogenicity**

low boiling point naphtha (<0,1% benzene)	Category 1B
Naphthalene	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**

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.

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

**Mobility in soil**

No information available.

**Other adverse effects**

No information available.

## 13. DISPOSAL 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	
Skin corrosion/irritation	Category 6.3B
Carcinogenicity	Category 6.7B
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	



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Version	Changes
Revision Date: B12771302	2015-01-29

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

End of Safety Data Sheet

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

<b>Product name</b>	430-55 Ful-Base Fine Bright Hi-Pal Alum
<b>Product code</b>	430-55
<b>Intended use of the substance/preparation</b>	Coating for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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
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. 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.  
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%	✓	
7429-90-5	aluminium powder (stabilized)	10 - 20%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	10 - 20%	✓	
64742-81-0	Kerosine (petroleum), hydrodesulfurized	5 - 10%	✓	
142-82-5	heptane (mixture of isomers)	3 - 5%	✓	
108-88-3	toluene	3 - 5%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	1 - 3%	✓	
1330-20-7	xylene	1 - 3%	✓	
95-63-6	1,2,4-trimethylbenzene	0.3 - 1.0%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
108-67-8	mesitylene	0.1 - 0.3%	✓	
108-87-2	methylcyclohexane	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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>
aluminium powder (stabilized)	TWA	5 mg/m <sup>3</sup>
heptane (mixture of isomers)	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m <sup>3</sup>
	TWA	1,640 mg/m <sup>3</sup>
toluene	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
xylene	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m <sup>3</sup>
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m <sup>3</sup>
	TWA	434 mg/m <sup>3</sup>
mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m <sup>3</sup>
	TWA	123 mg/m <sup>3</sup>
methylcyclohexane	TWA	400 ppm
	TWA	1,610 mg/m <sup>3</sup>

**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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) <sup>®</sup>	0.7 mm	30 min
	Nitrile rubber	0.33 mm	30 min
xylene	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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 Paint Odor    Odor Threshold : no data available

pH	not applicable
Freezing point	Not applicable.
Boiling point	92 °C
Flash point	10 °C
Evaporation rate	Slower than Ether
Flammability	
Upper explosion limit	10.3 %
Lower explosion limit	0.9 %
Vapour pressure	10.0 hPa



Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.06 g/cm <sup>3</sup>	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**

n-butyl acetate	Category 3
low boiling point naphtha (<0,1% benzene)	Category 2
Kerosine (petroleum), hydrodesulfurized	Category 2
heptane (mixture of isomers)	Category 2
toluene	Category 2
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
methylcyclohexane	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**

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
heptane (mixture of isomers)	Category 1
toluene	Category 2
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
methylcyclohexane	Category 2

**Chronic aquatic toxicity**

aluminium powder (stabilized)	Category 4
Kerosine (petroleum), hydrodesulfurized	Category 2
heptane (mixture of isomers)	Category 1
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
methylcyclohexane	Category 2

% of unknown composition 10.4%

**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: 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
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: 2015-01-29  
 B12771317

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

End of Safety Data Sheet

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

<b>Product name</b>	430-56 Ful-Base Red Violet Tinter
<b>Product code</b>	430-56
<b>Intended use of the substance/preparation</b>	Coating for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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	2015-02-01

## 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
Carcinogenicity	Category 6.7B
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 mild skin irritation. Suspected of causing cancer. 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. 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 ardous	Haz-
123-86-4	n-butyl acetate	20 - 30%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	10 - 20%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	1 - 3%	✓	
1330-20-7	xylene	1 - 3%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
1332-58-7	Kaolin	0.3 - 1.0%		
1317-65-3	Limestone (calcium carbonate)	0.3 - 1.0%		
91-20-3	Naphthalene	0.1 - 0.3%	✓	
111-65-9	octane	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 (CO<sub>2</sub>), 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 <sup>3</sup>
xylene	TWA	713 mg/m <sup>3</sup>
	TWA	50 ppm
ethylbenzene	TWA	217 mg/m <sup>3</sup>
	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m <sup>3</sup>
Kaolin	TWA	434 mg/m <sup>3</sup>
	TWA	2 mg/m <sup>3</sup>
Limestone (calcium carbonate)	TWA	10 mg/m <sup>3</sup>
	TWA	10 ppm
Naphthalene	STEL	15 ppm
	STEL	79 mg/m <sup>3</sup>
	TWA	52 mg/m <sup>3</sup>
	TWA	300 ppm
octane	STEL	375 ppm
	STEL	1,750 mg/m <sup>3</sup>
	TWA	1,400 mg/m <sup>3</sup>
	TWA	1,400 mg/m <sup>3</sup>

**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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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	116 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	7.4 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.02 g/cm <sup>3</sup>	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**

not hazardous

**Acute dermal toxicity**

not hazardous

**Acute inhalation toxicity**

not hazardous

% of unknown composition 0 %

**Skin corrosion/irritation**

n-butyl acetate	Category 3
low boiling point naphtha (<0,1% benzene)	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
xylene	Category 2
ethylbenzene	Category 3
octane	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**

low boiling point naphtha (<0,1% benzene)	Category 1B
Naphthalene	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**

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
Naphthalene	Category 1
octane	Category 1

% of unknown composition 13.5%

**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: 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

Skin corrosion/irritation Category 6.3B

Carcinogenicity Category 6.7B

Flammable liquids Category 3.1B

Acute aquatic toxicity Category 9.1C

## 16. Other information

**Revision Note**

Version	Changes
1.0	
Revision Date:	2015-02-01
B12771065	



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

End of Safety Data Sheet

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

<b>Product name</b>	435-01 Nason Industrial Inter-Thane Gloss Binder
<b>Product code</b>	435-01
<b>Intended use of the substance/preparation</b>	Coating for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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 9.1B
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. May cause an allergic skin reaction. 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.</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.  
 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

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-
108-65-6	2-methoxy-1-methylethyl acetate	10 - 20%	✓	
123-86-4	n-butyl acetate	5 - 10%	✓	
763-69-9	ethyl 3-ethoxypropionate	5 - 10%	✓	
142-82-5	heptane (mixture of isomers)	5 - 10%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	5 - 10%	✓	
141-78-6	ethyl acetate	3 - 5%	✓	
108-88-3	toluene	3 - 5%	✓	
1330-20-7	xylene	3 - 5%	✓	
78-93-3	butanone	1 - 3%	✓	
108-10-1	4-methylpentan-2-one	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%	✓	
110-43-0	heptan-2-one	0.3 - 1.0%	✓	
108-87-2	methylcyclohexane	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. 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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>
heptane (mixture of isomers)	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m <sup>3</sup>
	TWA	1,640 mg/m <sup>3</sup>
ethyl acetate	TWA	200 ppm
	TWA	720 mg/m <sup>3</sup>
toluene	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
xylene	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>
butanone	TWA	150 ppm

Chemical Name		
4-methylpentan-2-one	STEL	300 ppm
	STEL	890 mg/m <sup>3</sup>
	TWA	445 mg/m <sup>3</sup>
	TWA	50 ppm
	STEL	75 ppm
	STEL	307 mg/m <sup>3</sup>
ethylbenzene	TWA	205 mg/m <sup>3</sup>
	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m <sup>3</sup>
heptan-2-one	TWA	434 mg/m <sup>3</sup>
	TWA	50 ppm
	TWA	233 mg/m <sup>3</sup>
methylcyclohexane	TWA	400 ppm
	TWA	1,610 mg/m <sup>3</sup>

#### 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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
ethyl acetate	Nitrile rubber	0.33 mm	10 min
	Viton (R) <sup>®</sup>	0.7 mm	480 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	0.7 mm	480 min
butanone	Viton (R) <sup>®</sup>	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	No data available.	
Freezing point	Not applicable.	
Boiling point	92 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	14.7 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	0.97 g/cm <sup>3</sup>	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**

not hazardous

% of unknown composition 0 %

**Skin corrosion/irritation**

n-butyl acetate	Category 3
ethyl 3-ethoxypropionate	Category 3
heptane (mixture of isomers)	Category 2
low boiling point naphtha (<0,1% benzene)	Category 2
ethyl acetate	Category 3
toluene	Category 2
xylene	Category 2
butanone	Category 3
4-methylpentan-2-one	Category 3
ethylbenzene	Category 3
heptan-2-one	Category 2
methylcyclohexane	Category 2

**Serious eye damage/eye irritation**

2-methoxy-1-methylethyl acetate	Category 2A
heptane (mixture of isomers)	Category 2A
low boiling point naphtha (<0,1% benzene)	Category 2A
ethyl acetate	Category 2A
toluene	Category 2B
xylene	Category 2A
butanone	Category 2A
4-methylpentan-2-one	Category 2A
ethylbenzene	Category 2B
heptan-2-one	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

**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
ethyl 3-ethoxypropionate	Category 3
heptane (mixture of isomers)	Category 1
toluene	Category 2
xylene	Category 3
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
ethylbenzene	Category 2
heptan-2-one	Category 3
methylcyclohexane	Category 2
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1

**Chronic aquatic toxicity**

heptane (mixture of isomers)	Category 1
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
methylcyclohexane	Category 2
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1

% of unknown composition 6.2%

**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: 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 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 9.1B
Chronic aquatic toxicity	Category 9.1B

## 16. Other information

## Revision Note

Version	Changes
1.0	

Revision Date: 2015-01-29  
B12773527

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

End of Safety Data Sheet

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

<b>Product name</b>	435-02 Nason Industrial Inter-Thane Matt Binder
<b>Product code</b>	435-02
<b>Intended use of the substance/preparation</b>	Coating for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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
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.  
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.  
 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. 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%	✓	
108-65-6	2-methoxy-1-methylethyl acetate	10 - 20%	✓	
763-69-9	ethyl 3-ethoxypropionate	5 - 10%	✓	
141-78-6	ethyl acetate	3 - 5%	✓	
64742-89-8	naphtha (petroleum), hydrotreated light (<0,1% benzene)	3 - 5%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	3 - 5%	✓	
78-93-3	butanone	1 - 3%	✓	
108-10-1	4-methylpentan-2-one	1 - 3%	✓	
108-88-3	toluene	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%	✓	
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 (CO<sub>2</sub>), 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 <sup>3</sup>
ethyl acetate	TWA	713 mg/m <sup>3</sup>
	TWA	200 ppm
	TWA	720 mg/m <sup>3</sup>
butanone	TWA	150 ppm
	STEL	300 ppm
	STEL	890 mg/m <sup>3</sup>
	TWA	445 mg/m <sup>3</sup>
4-methylpentan-2-one	TWA	50 ppm
	STEL	75 ppm
	STEL	307 mg/m <sup>3</sup>
toluene	TWA	205 mg/m <sup>3</sup>
	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
xylene	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>
ethylbenzene	TWA	100 ppm

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 Chemical Name
 

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STEL	125 ppm
STEL	543 mg/m <sup>3</sup>
TWA	434 mg/m <sup>3</sup>

**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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
ethyl acetate	Nitrile rubber	0.33 mm	10 min
	Viton (R) <sup>®</sup>	0.7 mm	480 min
butanone	Viton (R) <sup>®</sup>	0.7 mm	10 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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	No data available.	
Freezing point	Not applicable.	
Boiling point	93 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	13.0 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	0.99 g/cm <sup>3</sup>	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**

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 3-ethoxypropionate	Category 3
ethyl acetate	Category 3
naphtha (petroleum), hydrotreated light (<0,1% benzene)	Category 2
low boiling point naphtha (<0,1% benzene)	Category 2
butanone	Category 3
4-methylpentan-2-one	Category 3
toluene	Category 2
xylene	Category 2
ethylbenzene	Category 3

**Serious eye damage/eye irritation**

2-methoxy-1-methylethyl acetate	Category 2A
ethyl acetate	Category 2A
low boiling point naphtha (<0,1% benzene)	Category 2A
butanone	Category 2A
4-methylpentan-2-one	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

**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
ethyl 3-ethoxypropionate	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

**Chronic aquatic toxicity**

naphtha (petroleum), hydrotreated light (<0,1% benzene)	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 4.7%

**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: 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
Chronic aquatic toxicity	Category 9.1C

## 16. Other information

### Revision Note

Version	Changes
1.0	

Revision Date: 2015-01-29  
B12956313

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





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in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

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

<b>Product name</b>	435-90 Ful-Base Enamel Binder
<b>Product code</b>	435-90
<b>Intended use of the substance/preparation</b>	Intermediate
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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	2015-02-01

## 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
Carcinogenicity	Category 6.7B

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. Suspected of causing cancer.
Precautionary statements	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: bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate; 2-butanone oxime; methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate; A mixture of:  $\alpha$ -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- $\omega$ -hydroxypoly(oxyethylene);  $\alpha$ -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- $\omega$ -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene). 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%	✓	
763-69-9	ethyl 3-ethoxypropionate	5 - 10%	✓	
64742-48-9	Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	5 - 10%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	5 - 10%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	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%	✓	
141-78-6	ethyl acetate	0.3 - 1.0%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
96-29-7	2-butanone oxime	0.3 - 1.0%	✓	
95-63-6	1,2,4-trimethylbenzene	0.1 - 0.3%	✓	
108-67-8	mesitylene	0.1 - 0.3%	✓	
122-99-6	2-phenoxyethanol	0.1 - 0.3%	✓	
82919-37-7	methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	0.1 - 0.3%	✓	
27253-32-3	Manganese neodecanoate	0.1 - 0.3%		
91-20-3	Naphthalene	0.1 - 0.3%	✓	
104810-47-1	A mixture of: $\alpha$ -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- $\omega$ -hydroxypoly(oxyethylene); $\alpha$ -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- $\omega$ -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene)	0.1 - 0.3%	✓	
22464-99-9	Zirconium octoate	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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	1,185 mg/m <sup>3</sup>
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>
xylene	TWA	50 ppm

Chemical Name		
	TWA	217 mg/m <sup>3</sup>
ethyl acetate	TWA	200 ppm
	TWA	720 mg/m <sup>3</sup>
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m <sup>3</sup>
	TWA	434 mg/m <sup>3</sup>
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m <sup>3</sup>
mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m <sup>3</sup>
	TWA	123 mg/m <sup>3</sup>
Manganese neodecanoate	TWA	1 mg/m <sup>3</sup>
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m <sup>3</sup>
	TWA	52 mg/m <sup>3</sup>
Zirconium octoate	STEL	10 mg/m <sup>3</sup>
	TWA	5 mg/m <sup>3</sup>

#### 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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

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

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product 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	116 °C	
Flash point	-4 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	12.8 %	
Lower explosion limit	0.5 %	
Vapour pressure	42.5 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	0.93 g/cm <sup>3</sup>	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. 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**

acetone	Category 3
n-butyl acetate	Category 3
ethyl 3-ethoxypropionate	Category 3
Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	Category 3
low boiling point naphtha (<0,1% benzene)	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
xylene	Category 2
ethyl acetate	Category 3
ethylbenzene	Category 3
2-butanone oxime	Category 3
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 3

**Serious eye damage/eye irritation**

acetone	Category 2A
low boiling point naphtha (<0,1% benzene)	Category 2A
xylene	Category 2A



ethyl acetate	Category 2A
ethylbenzene	Category 2B
2-butanone oxime	Category 1
1,2,4-trimethylbenzene	Category 2A
mesitylene	Category 2A
2-phenoxyethanol	Category 2A

**Respiratory sensitisation**

Not classified according to GHS criteria

**Skin sensitisation**

bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate

2-butanone oxime

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

A mixture of:  $\alpha$ -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- $\omega$ -hydroxypoly(oxyethylene);  $\alpha$ -3-(3-(2H-benzotriazol-2-yl)-5-tert-b

**Germ cell mutagenicity**

Not classified according to GHS criteria

**Carcinogenicity**

low boiling point naphtha (<0,1% benzene)	Category 1B
2-butanone oxime	Category 2
Naphthalene	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**

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	HSR002669
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
Carcinogenicity	Category 6.7B
Flammable liquids	Category 3.1B

**16. Other information**

## Revision Note

Version	Changes
1.1	11

Revision Date: 2015-02-01  
B13041375

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

End of Safety Data Sheet

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

<b>Product name</b>	435-91 Nason Industrial Ful-Thane Urethane Binder
<b>Product code</b>	435-91
<b>Intended use of the substance/preparation</b>	Coating for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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 9.1B
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. May cause an allergic skin reaction. 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.</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.  
 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

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-
108-65-6	2-methoxy-1-methylethyl acetate	10 - 20%	✓	
123-86-4	n-butyl acetate	5 - 10%	✓	
763-69-9	ethyl 3-ethoxypropionate	5 - 10%	✓	
142-82-5	heptane (mixture of isomers)	5 - 10%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	5 - 10%	✓	
141-78-6	ethyl acetate	3 - 5%	✓	
108-88-3	toluene	3 - 5%	✓	
1330-20-7	xylene	3 - 5%	✓	
78-93-3	butanone	1 - 3%	✓	
108-10-1	4-methylpentan-2-one	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%	✓	
110-43-0	heptan-2-one	0.3 - 1.0%	✓	
108-87-2	methylcyclohexane	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. 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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>
heptane (mixture of isomers)	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m <sup>3</sup>
	TWA	1,640 mg/m <sup>3</sup>
ethyl acetate	TWA	200 ppm
	TWA	720 mg/m <sup>3</sup>
toluene	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
xylene	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>
butanone	TWA	150 ppm

Chemical Name		
4-methylpentan-2-one	STEL	300 ppm
	STEL	890 mg/m <sup>3</sup>
	TWA	445 mg/m <sup>3</sup>
	TWA	50 ppm
	STEL	75 ppm
	STEL	307 mg/m <sup>3</sup>
ethylbenzene	TWA	205 mg/m <sup>3</sup>
	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m <sup>3</sup>
heptan-2-one	TWA	434 mg/m <sup>3</sup>
	TWA	50 ppm
	TWA	233 mg/m <sup>3</sup>
methylcyclohexane	TWA	400 ppm
	TWA	1,610 mg/m <sup>3</sup>

#### 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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
ethyl acetate	Nitrile rubber	0.33 mm	10 min
	Viton (R) <sup>®</sup>	0.7 mm	480 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	0.7 mm	480 min
butanone	Viton (R) <sup>®</sup>	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	No data available.	
Freezing point	Not applicable.	
Boiling point	92 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	14.7 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	0.97 g/cm <sup>3</sup>	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**

not hazardous

% of unknown composition 0 %

**Skin corrosion/irritation**

n-butyl acetate	Category 3
ethyl 3-ethoxypropionate	Category 3
heptane (mixture of isomers)	Category 2
low boiling point naphtha (<0,1% benzene)	Category 2
ethyl acetate	Category 3
toluene	Category 2
xylene	Category 2
butanone	Category 3
4-methylpentan-2-one	Category 3
ethylbenzene	Category 3
heptan-2-one	Category 2
methylcyclohexane	Category 2

**Serious eye damage/eye irritation**

2-methoxy-1-methylethyl acetate	Category 2A
heptane (mixture of isomers)	Category 2A
low boiling point naphtha (<0,1% benzene)	Category 2A
ethyl acetate	Category 2A
toluene	Category 2B
xylene	Category 2A
butanone	Category 2A
4-methylpentan-2-one	Category 2A
ethylbenzene	Category 2B
heptan-2-one	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

**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**

n-butyl acetate	Category 3
ethyl 3-ethoxypropionate	Category 3
heptane (mixture of isomers)	Category 1
toluene	Category 2
xylene	Category 3
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
ethylbenzene	Category 2
heptan-2-one	Category 3
methylcyclohexane	Category 2
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1

**Chronic aquatic toxicity**

heptane (mixture of isomers)	Category 1
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
methylcyclohexane	Category 2
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1

% of unknown composition 6.2%

**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: 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 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 9.1B
Chronic aquatic toxicity	Category 9.1B

## 16. Other information

## Revision Note

Version	Changes
1.0	

Revision Date: 2015-01-29  
B12773527

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

End of Safety Data Sheet

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

<b>Product name</b>	435-93 Ful-Base Basecoat Fixe
<b>Product code</b>	435-93
<b>reference number</b>	435-93
<b>Intended use of the substance/preparation</b> Coating for professional use	
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency telephone number	NZ Poisons Information Centre Ph: 0800 764 766 24-hour Emergency Number: (64)-9526 2501
Importer	ULTRA PAINTS LTD.
Street/Box	994 Great South Road, Penrose, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 525 0426
Date of preparation	2013-08-28

## 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
Acute inhalation toxicity	Category 6.1D
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Target Organ Systemic Toxicant - Single 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.  
Harmful if swallowed.  
Harmful if inhaled.  
Causes skin irritation.  
Causes serious eye irritation.  
Causes damage to organs.  
Harmful to aquatic life.

Precautionary statements

Keep container tightly closed.  
Avoid release to the environment.  
Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
Do not eat, drink or smoke when using this product.  
Ground/bond container and receiving equipment.  
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.



Take precautionary measures against static discharge.  
Use explosion-proof electrical/ventilating/lighting equipment.  
Use only non-sparking tools.  
Use only outdoors or in a well-ventilated area.  
Wash hands after handling.  
Wear protective gloves/ eye protection/ face protection.  
IF exposed: Call a POISON CENTER or doctor/ physician.  
If eye irritation persists: 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: Remove to fresh air and keep at rest in a position comfortable for breathing.  
IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
If skin irritation occurs, seek medical advice/attention.  
IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.  
Specific treatment (see supplemental first aid instructions on this label).  
Store in a well-ventilated place. Keep cool.  
Store locked up.  
Dispose of contents/container in accordance with local regulation.

**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	50 - 60%	✓	
110-43-0	heptan-2-one	20 - 30%	✓	
123-86-4	n-butyl acetate	1 - 3%	✓	
1330-20-7	xylene	1 - 3%	✓	
95-63-6	1,2,4-trimethylbenzene	0.3 - 1.0%	✓	
100-41-4	ethylbenzene	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. 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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	205 mg/m <sup>3</sup>
heptan-2-one	TWA	50 ppm
	TWA	233 mg/m <sup>3</sup>
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>
xylene	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m <sup>3</sup>
	TWA	100 ppm
	STEL	125 ppm
ethylbenzene	STEL	543 mg/m <sup>3</sup>
	TWA	434 mg/m <sup>3</sup>

**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	114 °C	
Flash point	-13 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	7.9 %	
Lower explosion limit	1.1 %	
Vapour pressure	12.9 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.84 g/cm <sup>3</sup>	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	370 °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**

4-methylpentan-2-one	Category 5
heptan-2-one	Category 4
xylene	Category 5
1,2,4-trimethylbenzene	Category 5
ethylbenzene	Category 5

**Acute dermal toxicity**

not hazardous

**Acute inhalation toxicity**

4-methylpentan-2-one	Category 4
heptan-2-one	Category 4
xylene	Category 4
1,2,4-trimethylbenzene	Category 4
ethylbenzene	Category 4

% of unknown composition 0 %

**Skin corrosion/irritation**

4-methylpentan-2-one	Category 3
heptan-2-one	Category 2
n-butyl acetate	Category 3
xylene	Category 2
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 3

**Serious eye damage/eye irritation**

4-methylpentan-2-one	Category 2
heptan-2-one	Category 2B
xylene	Category 2
1,2,4-trimethylbenzene	Category 2
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****• Inhalation**

- airway sensitivity** heptan-2-one
- Narcotic effects** heptan-2-one
- Respiratory system** 1,2,4-trimethylbenzene
- Central nervous system** 1,2,4-trimethylbenzene

**• Ingestion**

- Respiratory tract irritation** heptan-2-one
- Narcotic effects** heptan-2-one

**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
n-butyl acetate	Category 3
xylene	Category 3
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 2

% of unknown composition 11.3%

**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	HSR002662
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Acute oral toxicity	Category 6.1D
Acute inhalation toxicity	Category 6.1D
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Target Organ Systemic Toxicant - Single exposure	Category 6.9B
Flammable liquids	Category 3.1B
Acute aquatic toxicity	Category 9.1C

## 16. Other information

### Revision Note

Version	Changes
2.1	2, 5, 8, 9, 11, 12, 16

Revision Date: 2013-08-26  
NRK-19077

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

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

**Product name** FUL-CRYL II ACRYLIC BINDER

**Product code** 435-94

**reference number** 435-94

**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 telephone number** NZ Poisons Information Centre Ph: 0800 764 766  
24-hour Emergency Number: (64)-9526 2501

**Importer** Resene Paints Ltd.  
**Street/Box** 4 Te Apunga Place, Mt Wellington,  
Auckland, NZ

**Nat.-Code/Postal code/City**  
**Telephone** +64 (09) 259 2738

**Date of preparation** 2013-08-28

## 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 6.3A
Serious eye damage/eye irritation	Category 6.4A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
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** Highly flammable liquid and vapour.  
May be harmful if swallowed.  
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.  
Causes damage to organs.  
May cause damage to organs through prolonged or repeated exposure.  
Harmful to aquatic life.



Precautionary statements	Contaminated work clothing should not be allowed out of the workplace. Keep container tightly closed. Avoid release to the environment. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Do not eat, drink or smoke when using this product. Ground/bond container and receiving equipment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Take precautionary measures against static discharge. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Wash hands after handling. Wear protective gloves/ eye protection/ face protection. IF exposed: Call a POISON CENTER or doctor/ physician. If eye irritation persists: 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: Call a POISON CENTER or doctor/ physician if you feel unwell. IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. If skin irritation or rash occurs: Get medical advice/ attention. Specific treatment (see supplemental first aid instructions on this label). Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local regulation.
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**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	10 - 20%	✓	
763-69-9	ethyl 3-ethoxypropionate	10 - 20%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	10 - 20%	✓	
110-43-0	heptan-2-one	5 - 10%	✓	
141-78-6	ethyl acetate	3 - 5%	✓	
1330-20-7	xylene	3 - 5%	✓	
100-41-4	ethylbenzene	1 - 3%	✓	
112-07-2	2-butoxyethyl acetate	1 - 3%	✓	
108-10-1	4-methylpentan-2-one	1 - 3%	✓	
108-88-3	toluene	1 - 3%	✓	
80-62-6	methyl methacrylate	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 (CO<sub>2</sub>), 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 <sup>3</sup>
heptan-2-one	TWA	713 mg/m <sup>3</sup>
	TWA	50 ppm
ethyl acetate	TWA	233 mg/m <sup>3</sup>
	TWA	200 ppm
xylene	TWA	720 mg/m <sup>3</sup>
	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m <sup>3</sup>
	TWA	434 mg/m <sup>3</sup>
4-methylpentan-2-one	TWA	50 ppm
	STEL	75 ppm
	STEL	307 mg/m <sup>3</sup>



## Chemical Name

	TWA	205 mg/m3
toluene	TWA	50 ppm
	TWA	188 mg/m3
methyl methacrylate	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m3
	TWA	208 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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
ethyl acetate	Nitrile rubber	0.33 mm	10 min
	Viton (R) <sup>®</sup>	0.7 mm	480 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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	116 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.2 %	
Lower explosion limit	0.9 %	
Vapour pressure	9.9 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.96 g/cm <sup>3</sup>	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. 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
ethylbenzene	Category 5
2-butoxyethyl acetate	Category 5
4-methylpentan-2-one	Category 5

**Acute dermal toxicity**

not hazardous

**Acute inhalation toxicity**

low boiling point naphtha (<0,1% benzene)	Category 4
heptan-2-one	Category 4
xylene	Category 4
ethylbenzene	Category 4
2-butoxyethyl acetate	Category 4
4-methylpentan-2-one	Category 4
toluene	Category 5

% of unknown composition 0 %

**Skin corrosion/irritation**

n-butyl acetate	Category 3
ethyl 3-ethoxypropionate	Category 3
low boiling point naphtha (<0,1% benzene)	Category 2
heptan-2-one	Category 2
ethyl acetate	Category 3
xylene	Category 2
ethylbenzene	Category 3
2-butoxyethyl acetate	Category 3
4-methylpentan-2-one	Category 3
toluene	Category 2
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2

**Serious eye damage/eye irritation**

low boiling point naphtha (<0,1% benzene)	Category 2A
heptan-2-one	Category 2B
ethyl acetate	Category 2
xylene	Category 2
ethylbenzene	Category 2B
2-butoxyethyl acetate	Category 2A
4-methylpentan-2-one	Category 2
toluene	Category 2B
n-butyl methacrylate	Category 2

**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****• Skin Absorption****Narcotic effects** toluene**• Inhalation****airway sensitivity** heptan-2-one**Narcotic effects** heptan-2-one**Respiratory system** methyl methacrylate**Central nervous system** low boiling point naphtha (<0,1% benzene)**reproductive organs** ethyl acetate**• Ingestion****Respiratory tract irritation** heptan-2-one**Narcotic effects** heptan-2-one**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 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
ethyl 3-ethoxypropionate	Category 3
heptan-2-one	Category 3
xylene	Category 3
ethylbenzene	Category 2
2-butoxyethyl acetate	Category 3
toluene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 2



% of unknown composition 10.9%

**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: 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 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
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Single exposure	Category 6.9B
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: 2013-08-26  
1250004245

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



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

<b>Product name</b>	435-95 Ful-Thane 3.5 VOC HS Binder
<b>Product code</b>	435-95
<b>Intended use of the substance/preparation</b>	Intermediate
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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
Skin sensitisation	Category 6.5B
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	<p>Highly flammable liquid and vapour. May be harmful if inhaled. Causes mild 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.</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. 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: bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate; methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate; A mixture of:  $\alpha$ -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- $\omega$ -hydroxypoly(oxyethylene);  $\alpha$ -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- $\omega$ -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene). 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	10 - 20%	✓	
763-69-9	ethyl 3-ethoxypropionate	3 - 5%	✓	
112-07-2	2-butoxyethyl acetate	3 - 5%	✓	
108-10-1	4-methylpentan-2-one	3 - 5%	✓	
108-88-3	toluene	3 - 5%	✓	
123-86-4	n-butyl acetate	1 - 3%	✓	
141-78-6	ethyl acetate	1 - 3%	✓	
1330-20-7	xylene	1 - 3%	✓	
122-99-6	2-phenoxyethanol	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%	✓	
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%	✓	
104810-47-1	A mixture of: $\alpha$ -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- $\omega$ -hydroxypoly(oxyethylene); $\alpha$ -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- $\omega$ -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene)	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. 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 (CO<sub>2</sub>), 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
4-methylpentan-2-one	TWA	233 mg/m <sup>3</sup>
	TWA	50 ppm
	STEL	75 ppm
	STEL	307 mg/m <sup>3</sup>
toluene	TWA	205 mg/m <sup>3</sup>
	TWA	50 ppm
n-butyl acetate	TWA	188 mg/m <sup>3</sup>
	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m <sup>3</sup>
ethyl acetate	TWA	713 mg/m <sup>3</sup>
	TWA	200 ppm
xylene	TWA	720 mg/m <sup>3</sup>
	TWA	50 ppm

Chemical Name		
	TWA	217 mg/m <sup>3</sup>
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m <sup>3</sup>
	TWA	434 mg/m <sup>3</sup>
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m <sup>3</sup>

### 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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
ethyl acetate	Nitrile rubber	0.33 mm	10 min
	Viton (R) <sup>®</sup>	0.7 mm	480 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	7.9 %	
Lower explosion limit	1.1 %	
Vapour pressure	5.3 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	1.02 g/cm <sup>3</sup>	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. 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
2-butoxyethyl acetate	Category 4
4-methylpentan-2-one	Category 4
toluene	Category 5
xylene	Category 4
2-phenoxyethanol	Category 4
ethylbenzene	Category 4
1,2,4-trimethylbenzene	Category 4

% of unknown composition 0 %

**Skin corrosion/irritation**

heptan-2-one	Category 2
ethyl 3-ethoxypropionate	Category 3
4-methylpentan-2-one	Category 3
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**

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

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

A mixture of:  $\alpha$ -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- $\omega$ -hydroxypoly(oxyethylene);  $\alpha$ -3-(3-(2H-benzotriazol-2-yl)-5-tert-b**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**Kidney** 2-phenoxyethanol**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 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 inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3B
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

## 16. Other information

### Revision Note

Version	Changes
1.0	
Revision Date:	2015-01-29
	B12857373

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the



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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

<b>Product name</b>	435-96 Nason Industrial Enamel Binder
<b>Product code</b>	435-96
<b>Intended use of the substance/preparation</b>	Intermediate
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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
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

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. 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>
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 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-
123-86-4	n-butyl acetate	20 - 30%	✓	
78-93-3	butanone	5 - 10%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	5 - 10%	✓	
141-78-6	ethyl acetate	3 - 5%	✓	
108-88-3	toluene	3 - 5%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	1 - 3%	✓	
64742-48-9	Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	1 - 3%	✓	
96-29-7	2-butanone oxime	0.3 - 1.0%	✓	
1330-20-7	xylene	0.3 - 1.0%	✓	
95-63-6	1,2,4-trimethylbenzene	0.1 - 0.3%	✓	
122-99-6	2-phenoxyethanol	0.1 - 0.3%	✓	
100-41-4	ethylbenzene	0.1 - 0.3%	✓	
27253-32-3	Manganese neodecanoate	0.1 - 0.3%		
71-36-3	n-butanol	0.1 - 0.3%	✓	
91-20-3	Naphthalene	0.1 - 0.3%	✓	
22464-99-9	Zirconium octoate	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 (CO<sub>2</sub>), 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 <sup>3</sup>
butanone	TWA	713 mg/m <sup>3</sup>
	TWA	150 ppm
	STEL	300 ppm
	STEL	890 mg/m <sup>3</sup>
ethyl acetate	TWA	445 mg/m <sup>3</sup>
	TWA	200 ppm
toluene	TWA	720 mg/m <sup>3</sup>
	TWA	50 ppm
xylene	TWA	188 mg/m <sup>3</sup>
	TWA	50 ppm
1,2,4-trimethylbenzene	TWA	217 mg/m <sup>3</sup>
	TWA	25 ppm
ethylbenzene	TWA	123 mg/m <sup>3</sup>
	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m <sup>3</sup>

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 Chemical Name
 

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	TWA	434 mg/m3
Manganese neodecanoate	TWA	1 mg/m3
n-butanol	CEIL	150 mg/m3
	CEIL	50 ppm
Naphthalene	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m3
	TWA	52 mg/m3
Zirconium octoate	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
butanone	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	10 min
ethyl acetate	Viton (R) ®	0.7 mm	480 min
	Nitrile rubber	0.33 mm	30 min
xylene	Viton (R) ®	0.7 mm	480 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. 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	78 °C	
Flash point	10 °C	
Evapouration rate	Slower than Ether	
Flammability		
Upper explosion limit	11 %	
Lower explosion limit	0.9 %	
Vapour pressure	17.8 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.94 g/cm <sup>3</sup>	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**

not hazardous

**Acute dermal toxicity**

Not classified according to GHS criteria

**Acute inhalation toxicity**

not hazardous

% of unknown composition 0 %

**Skin corrosion/irritation**

n-butyl acetate	Category 3
butanone	Category 3
low boiling point naphtha (<0,1% benzene)	Category 2
ethyl acetate	Category 3
toluene	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	Category 3
2-butanone oxime	Category 3
xylene	Category 2
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 3
n-butanol	Category 2

**Serious eye damage/eye irritation**

Not classified according to GHS criteria

**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**

low boiling point naphtha (<0,1% benzene)	Category 1B
2-butanone oxime	Category 2
Naphthalene	Category 2

**Toxicity for reproduction**

toluene	Category 2
Zirconium octoate	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

**Kidney** 2-phenoxyethanol

**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 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
toluene	Category 2
2-butanone oxime	Category 3
xylene	Category 3
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 2
Naphthalene	Category 1

% of unknown composition 9.6%

**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	HSR002669
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
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

## 16. Other information

### Revision Note

Version	Changes
1.0	

Revision Date: 2015-01-29  
B12839164

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

End of Safety Data Sheet

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

<b>Product name</b>	Multi-Temp Synthetic Reducer- 1 Gal
<b>Product code</b>	441-00
<b>Intended use of the substance/preparation</b>	Thinner for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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
Carcinogenicity	Category 6.7B
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	Danger
Hazard statements	<p>Highly flammable liquid and vapour. Causes skin irritation. Causes serious eye irritation. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure. Very toxic to aquatic life. Very 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.  
 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
142-82-5	heptane (mixture of isomers)	30 - 40%	✓	
64742-48-9	Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	30 - 40%	✓	
67-63-0	propan-2-ol	10 - 20%	✓	
108-88-3	toluene	10 - 20%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	3 - 5%	✓	
95-63-6	1,2,4-trimethylbenzene	0.3 - 1.0%	✓	
108-67-8	mesitylene	0.3 - 1.0%	✓	
108-87-2	methylcyclohexane	0.3 - 1.0%	✓	
91-20-3	Naphthalene	0.3 - 1.0%	✓	
98-82-8	cumene	0.1 - 0.3%	✓	
100-41-4	ethylbenzene	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. 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 (CO<sub>2</sub>), 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		
heptane (mixture of isomers)	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m <sup>3</sup>
propan-2-ol	TWA	1,640 mg/m <sup>3</sup>
	TWA	400 ppm
	STEL	500 ppm
toluene	STEL	1,230 mg/m <sup>3</sup>
	TWA	983 mg/m <sup>3</sup>
	TWA	50 ppm
1,2,4-trimethylbenzene	TWA	188 mg/m <sup>3</sup>
	TWA	25 ppm
mesitylene	TWA	123 mg/m <sup>3</sup>
	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m <sup>3</sup>
methylcyclohexane	TWA	123 mg/m <sup>3</sup>
	TWA	400 ppm
Naphthalene	TWA	1,610 mg/m <sup>3</sup>
	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m <sup>3</sup>
cumene	TWA	52 mg/m <sup>3</sup>
	TWA	25 ppm



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 Chemical Name
 

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	STEL	75 ppm
	STEL	375 mg/m <sup>3</sup>
	TWA	125 mg/m <sup>3</sup>
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m <sup>3</sup>
	TWA	434 mg/m <sup>3</sup>

**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 Solvent Odor    Odor Threshold : no data available

pH	No data available.	
Freezing point	Not applicable.	
Boiling point	83 °C	
Flash point	10 °C	
Evapouration rate	Slower than Ether	
Flammability		
Upper explosion limit	12 %	
Lower explosion limit	0.5 %	
Vapour pressure	28.0 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	0.77 g/cm <sup>3</sup>	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**

not hazardous

% of unknown composition 0 %

**Skin corrosion/irritation**

heptane (mixture of isomers)	Category 2
Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	Category 3
propan-2-ol	Category 3
toluene	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 3
methylcyclohexane	Category 2
ethylbenzene	Category 3

**Serious eye damage/eye irritation**

heptane (mixture of isomers)	Category 2A
propan-2-ol	Category 2A
toluene	Category 2B
1,2,4-trimethylbenzene	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**

Naphthalene 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**

- **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**

heptane (mixture of isomers)	Category 1
toluene	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
methylcyclohexane	Category 2
Naphthalene	Category 1
cumene	Category 2
ethylbenzene	Category 2

**Chronic aquatic toxicity**

heptane (mixture of isomers)	Category 1
Solvent naphtha (petroleum), heavy arom.	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
methylcyclohexane	Category 2
Naphthalene	Category 1
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 [heptane (mixture of isomers)]  
 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 Control T	This product must be tracked.
HSNO Classification	
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
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 9.1A
Chronic aquatic toxicity	Category 9.1A

**16. Other information**

Revision Note

Version	Changes
1.0	



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Version	Changes
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Revision Date:	2015-01-29
	B10905467

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

End of Safety Data Sheet

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

<b>Product name</b>	HIGH TEMP SYNTHETIC REDUCER
<b>Product code</b>	441-01
<b>reference number</b>	441-01
<b>Intended use of the substance/preparation</b> Thinner for professional use	
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency telephone number	NZ Poisons Information Centre Ph: 0800 764 766 24-hour Emergency Number: (64)-9526 2501
Importer	ULTRA PAINTS LTD.
Street/Box	994 Great South Road, Penrose, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 525 0426
Date of preparation	2013-08-28

## 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
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9A
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.  
Harmful if inhaled.  
Causes skin irritation.  
Causes serious eye irritation.  
Suspected of causing cancer.  
Suspected of damaging fertility or the unborn child.  
Causes damage to organs through prolonged or repeated exposure.  
Harmful to aquatic life.  
Harmful to aquatic life with long lasting effects.

Precautionary statements

Keep container tightly closed.  
Avoid release to the environment.



Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
Do not eat, drink or smoke when using this product.  
Ground/bond container and receiving equipment.  
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
Obtain special instructions before use.  
Take precautionary measures against static discharge.  
Use explosion-proof electrical/ventilating/lighting equipment.  
Use only non-sparking tools.  
Use only outdoors or in a well-ventilated area.  
Wash hands after handling.  
Wear protective gloves/ eye protection/ face protection.  
Call a POISON CENTRE or doctor/physician if you feel unwell.  
If eye irritation persists: 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: Remove to fresh air and keep at rest in a position comfortable for breathing.  
IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
If skin irritation occurs, seek medical advice/attention.  
Specific treatment (see supplemental first aid instructions on this label).  
Store in a well-ventilated place. Keep container tightly closed.  
Store in a well-ventilated place. Keep cool.  
Store locked up.  
Dispose of contents/container in accordance with local regulation.

**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)	60 - 70%	✓	
67-63-0	propan-2-ol	10 - 20%	✓	
108-88-3	toluene	10 - 20%	✓	
95-63-6	1,2,4-trimethylbenzene	1 - 3%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	1 - 3%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	1 - 3%	✓	
111-76-2	2-butoxyethanol	1 - 3%	✓	
108-67-8	mesitylene	0.3 - 1.0%	✓	
98-82-8	cumene	0.1 - 0.3%	✓	
100-41-4	ethylbenzene	0.1 - 0.3%	✓	
91-20-3	Naphthalene	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. 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 (CO<sub>2</sub>), 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 <sup>3</sup>
toluene	TWA	983 mg/m <sup>3</sup>
	TWA	50 ppm
1,2,4-trimethylbenzene	TWA	188 mg/m <sup>3</sup>
	TWA	25 ppm
2-butoxyethanol	TWA	123 mg/m <sup>3</sup>
	TWA	25 ppm
mesitylene	TWA	121 mg/m <sup>3</sup>
	TWA	25 ppm
	TWA	25 ppm
cumene	TWA	123 mg/m <sup>3</sup>
	TWA	123 mg/m <sup>3</sup>
	TWA	25 ppm
	STEL	75 ppm
ethylbenzene	STEL	375 mg/m <sup>3</sup>
	TWA	125 mg/m <sup>3</sup>
	TWA	100 ppm
	STEL	125 ppm



Chemical Name		
Naphthalene	STEL	543 mg/m <sup>3</sup>
	TWA	434 mg/m <sup>3</sup>
	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m <sup>3</sup>
	TWA	52 mg/m <sup>3</sup>

#### 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-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	83 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	12.7 %	
Lower explosion limit	0.5 %	
Vapour pressure	11.2 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	0.8 g/cm <sup>3</sup>	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. 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**

Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	Category 4
toluene	Category 5
1,2,4-trimethylbenzene	Category 4
2-butoxyethanol	Category 4
ethylbenzene	Category 4

% of unknown composition 0 %

**Skin corrosion/irritation**

Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	Category 3
propan-2-ol	Category 3
toluene	Category 2
1,2,4-trimethylbenzene	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
2-butoxyethanol	Category 2
mesitylene	Category 3
ethylbenzene	Category 3
Naphthalene	Category 3

**Serious eye damage/eye irritation**

propan-2-ol	Category 2
toluene	Category 2B
1,2,4-trimethylbenzene	Category 2
2-butoxyethanol	Category 2
mesitylene	Category 2A
ethylbenzene	Category 2B
Naphthalene	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**

Naphthalene 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**

- **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**

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

**Chronic aquatic toxicity**

1,2,4-trimethylbenzene	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
mesitylene	Category 2
cumene	Category 2
Naphthalene	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	HSR002669
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
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9A
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: 2013-08-26  
NT-17005

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



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

<b>Product name</b>	ZEPHYR REDUCER (FAST)
<b>Product code</b>	441-02
<b>reference number</b>	441-02
<b>Intended use of the substance/preparation</b> Solvent for professional use	
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency telephone number	NZ Poisons Information Centre Ph: 0800 764 766 24-hour Emergency Number: (64)-9526 2501
Importer	ULTRA PAINTS LTD.
Street/Box	994 Great South Road, Penrose, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 525 0426
Date of preparation	2013-08-28

## 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
Carcinogenicity	Category 6.7B
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

Danger

Hazard statements

Highly flammable liquid and vapour.  
May be harmful if inhaled.  
Causes skin irritation.  
Causes serious eye irritation.  
Suspected of causing cancer.  
Suspected of damaging fertility or the unborn child.  
Causes damage to organs through prolonged or repeated exposure.  
Very toxic to aquatic life.  
Very toxic to aquatic life with long lasting effects.

Precautionary statements

Keep container tightly closed.  
Avoid release to the environment.



Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
Do not eat, drink or smoke when using this product.  
Ground/bond container and receiving equipment.  
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
Obtain special instructions before use.  
Take precautionary measures against static discharge.  
Use explosion-proof electrical/ventilating/lighting equipment.  
Use only non-sparking tools.  
Use only outdoors or in a well-ventilated area.  
Wash hands after handling.  
Wear protective gloves/ eye protection/ face protection.  
Call a POISON CENTRE or doctor/physician if you feel unwell.  
Collect spillage.  
If eye irritation persists: 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: Call a POISON CENTER or doctor/ physician if you feel unwell.  
IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.  
IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
If skin irritation occurs, seek medical advice/attention.  
Specific treatment (see supplemental first aid instructions on this label).  
Store in a well-ventilated place. Keep container tightly closed.  
Store in a well-ventilated place. Keep cool.  
Store locked up.  
Dispose of contents/container in accordance with local regulation.

**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-
142-82-5	heptane (mixture of isomers)	40 - 50%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	20 - 30%	✓	
108-88-3	toluene	10 - 20%	✓	
67-63-0	propan-2-ol	5 - 10%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	3 - 5%	✓	
64742-48-9	Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	3 - 5%	✓	
108-87-2	methylcyclohexane	1 - 3%	✓	
91-20-3	Naphthalene	0.3 - 1.0%	✓	
95-63-6	1,2,4-trimethylbenzene	0.1 - 0.3%	✓	
108-67-8	mesitylene	0.1 - 0.3%	✓	
98-82-8	cumene	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. 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 (CO<sub>2</sub>), 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		
heptane (mixture of isomers)	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m <sup>3</sup>
toluene	TWA	1,640 mg/m <sup>3</sup>
	TWA	50 ppm
propan-2-ol	TWA	188 mg/m <sup>3</sup>
	TWA	400 ppm
	STEL	500 ppm
methylcyclohexane	STEL	1,230 mg/m <sup>3</sup>
	TWA	983 mg/m <sup>3</sup>
	TWA	400 ppm
Naphthalene	TWA	1,610 mg/m <sup>3</sup>
	TWA	10 ppm
	STEL	15 ppm
1,2,4-trimethylbenzene	STEL	79 mg/m <sup>3</sup>
	TWA	52 mg/m <sup>3</sup>
	TWA	25 ppm
mesitylene	TWA	123 mg/m <sup>3</sup>
	TWA	25 ppm
	TWA	25 ppm



Chemical Name		
	TWA	123 mg/m3
	TWA	123 mg/m3
cumene	TWA	25 ppm
	STEL	75 ppm
	STEL	375 mg/m3
	TWA	125 mg/m3
octane	TWA	300 ppm
	STEL	375 ppm
	STEL	1,750 mg/m3
	TWA	1,400 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. 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	83 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	12.7 %	
Lower explosion limit	0.8 %	
Vapour pressure	36.9 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.75 g/cm <sup>3</sup>	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 classified according to GHS criteria

**Acute dermal toxicity**

Not classified according to GHS criteria

**Acute inhalation toxicity**

low boiling point naphtha (<0,1% benzene)	Category 4
toluene	Category 5
Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	Category 4
1,2,4-trimethylbenzene	Category 4

% of unknown composition 0 %

**Skin corrosion/irritation**

heptane (mixture of isomers)	Category 2
low boiling point naphtha (<0,1% benzene)	Category 2
toluene	Category 2
propan-2-ol	Category 3
Solvent naphtha (petroleum), heavy arom.	Category 2
Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	Category 3
methylcyclohexane	Category 2
Naphthalene	Category 3
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 3
octane	Category 2

**Serious eye damage/eye irritation**

heptane (mixture of isomers)	Category 2A
low boiling point naphtha (<0,1% benzene)	Category 2A
toluene	Category 2B
propan-2-ol	Category 2
Naphthalene	Category 2A
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2A
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**

Naphthalene 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**• **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**

heptane (mixture of isomers)	Category 1
toluene	Category 2
methylcyclohexane	Category 2
Naphthalene	Category 1
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
cumene	Category 2
octane	Category 1

**Chronic aquatic toxicity**

heptane (mixture of isomers)	Category 1
Solvent naphtha (petroleum), heavy arom.	Category 2
methylcyclohexane	Category 2
Naphthalene	Category 1
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
cumene	Category 2
octane	Category 1

% of unknown composition 21.4%

**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 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 [heptane (mixture of isomers)]  
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 Control T	This product must be tracked.
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
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 9.1A
Chronic aquatic toxicity	Category 9.1A

## 16. Other information

Revision Note

Version	Changes
1.0	



**SAFETY DATA SHEET**

441-02 v1.0  
Revision Date: 2013-08-26  
Print Date: 2013-08-28  
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Version	Changes
Revision Date: NT-17006	2013-08-26

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

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

<b>Product name</b>	441-05 Silicone And Wax Remover
<b>Product code</b>	441-05
<b>Intended use of the substance/preparation</b>	Solvent for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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
Carcinogenicity	Category 6.7B
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. Suspected of causing cancer. 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.  
 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
64742-48-9	Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	70 - 80%	✓	
142-82-5	heptane (mixture of isomers)	10 - 20%	✓	
108-88-3	toluene	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%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
1330-20-7	xylene	0.3 - 1.0%	✓	
98-82-8	cumene	0.1 - 0.3%	✓	
108-87-2	methylcyclohexane	0.1 - 0.3%	✓	
91-20-3	Naphthalene	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 (CO<sub>2</sub>), 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		
heptane (mixture of isomers)	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m <sup>3</sup>
toluene	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m <sup>3</sup>
mesitylene	TWA	25 ppm
	TWA	25 ppm
ethylbenzene	TWA	123 mg/m <sup>3</sup>
	TWA	123 mg/m <sup>3</sup>
	TWA	100 ppm
	STEL	125 ppm
xylene	STEL	543 mg/m <sup>3</sup>
	TWA	434 mg/m <sup>3</sup>
	TWA	50 ppm
cumene	TWA	217 mg/m <sup>3</sup>
	TWA	25 ppm
methylcyclohexane	STEL	75 ppm
	STEL	375 mg/m <sup>3</sup>
	TWA	125 mg/m <sup>3</sup>
	TWA	125 mg/m <sup>3</sup>
Naphthalene	TWA	400 ppm
	TWA	1,610 mg/m <sup>3</sup>
	TWA	10 ppm
	STEL	15 ppm
	STEL	79 mg/m <sup>3</sup>

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
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	109 °C
Flash point	14 °C
Evapouration rate	Slower than Ether
Flammability	

Upper explosion limit	6.7 %	
Lower explosion limit	0.5 %	
Vapour pressure	11.6 hPa	
Solubility(ies)	nil	
Vapour density	no data available	
Density	0.78 g/cm <sup>3</sup>	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**

Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	Category 3
heptane (mixture of isomers)	Category 2
toluene	Category 2
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
mesitylene	Category 3
ethylbenzene	Category 3
xylene	Category 2
methylcyclohexane	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**

Naphthalene 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**

- **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 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**

heptane (mixture of isomers)	Category 1
toluene	Category 2
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
mesitylene	Category 2
ethylbenzene	Category 2
xylene	Category 3
cumene	Category 2
methylcyclohexane	Category 2
Naphthalene	Category 1

**Chronic aquatic toxicity**

heptane (mixture of isomers)	Category 1
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
mesitylene	Category 2
cumene	Category 2
methylcyclohexane	Category 2
Naphthalene	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: yes [heptane (mixture of isomers)]  
 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	
Skin corrosion/irritation	Category 6.3A
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 9.1B
Chronic aquatic toxicity	Category 9.1B

**16. Other information**

## Revision Note

Version	Changes
1.0	

Revision Date: 2015-01-29  
 1250002576

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

End of Safety Data Sheet

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

<b>Product name</b>	441-20 Ful-Base Fast Reducer
<b>Product code</b>	441-20
<b>Intended use of the substance/preparation</b>	Thinner for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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 9.1A
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	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. Very toxic to aquatic life. Very 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
142-82-5	heptane (mixture of isomers)	30 - 40%	✓	
67-64-1	acetone	20 - 30%	✓	
108-88-3	toluene	20 - 30%	✓	
763-69-9	ethyl 3-ethoxypropionate	10 - 20%	✓	
1330-20-7	xylene	1 - 3%	✓	
108-87-2	methylcyclohexane	0.3 - 1.0%	✓	
100-41-4	ethylbenzene	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. 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 (CO<sub>2</sub>), 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		
heptane (mixture of isomers)	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m <sup>3</sup>
	TWA	1,640 mg/m <sup>3</sup>
acetone	TWA	500 ppm
	STEL	1,000 ppm
	STEL	2,375 mg/m <sup>3</sup>
	TWA	1,185 mg/m <sup>3</sup>
toluene	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
xylene	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>
methylcyclohexane	TWA	400 ppm
	TWA	1,610 mg/m <sup>3</sup>
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m <sup>3</sup>
	TWA	434 mg/m <sup>3</sup>

**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	No data available.	
Freezing point	Not applicable.	
Boiling point	92 °C	
Flash point	10 °C	
Evapouration rate	Slower than Ether	
Flammability		
Upper explosion limit	12.8 %	
Lower explosion limit	1 %	
Vapour pressure	90.7 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	0.8 g/cm <sup>3</sup>	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

not hazardous

% of unknown composition 0 %

#### Skin corrosion/irritation

heptane (mixture of isomers)	Category 2
acetone	Category 3
toluene	Category 2
ethyl 3-ethoxypropionate	Category 3
xylene	Category 2
methylcyclohexane	Category 2
ethylbenzene	Category 3

#### Serious eye damage/eye irritation

heptane (mixture of isomers)	Category 2A
acetone	Category 2A
toluene	Category 2B
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 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
toluene	Category 2
ethyl 3-ethoxypropionate	Category 3
xylene	Category 3
methylcyclohexane	Category 2
ethylbenzene	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 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 [heptane (mixture of isomers)]

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 Control T	This product must be tracked.
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 9.1A
Chronic aquatic toxicity	Category 9.1A

## 16. Other information

### Revision Note

Version	Changes
1.0	

Revision Date: 2015-01-29  
B12979635

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

End of Safety Data Sheet

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

<b>Product name</b>	441-21 Ful-Base Medium Reducer
<b>Product code</b>	441-21
<b>Intended use of the substance/preparation</b>	Thinner for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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 9.1A
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	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. Very toxic to aquatic life. Very 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
142-82-5	heptane (mixture of isomers)	30 - 40%	✓	
67-64-1	acetone	20 - 30%	✓	
763-69-9	ethyl 3-ethoxypropionate	10 - 20%	✓	
108-88-3	toluene	10 - 20%	✓	
123-86-4	n-butyl acetate	5 - 10%	✓	
1330-20-7	xylene	3 - 5%	✓	
100-41-4	ethylbenzene	1 - 3%	✓	
108-87-2	methylcyclohexane	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. 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 (CO<sub>2</sub>), 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		
heptane (mixture of isomers)	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m <sup>3</sup>
	TWA	1,640 mg/m <sup>3</sup>
acetone	TWA	500 ppm
	STEL	1,000 ppm
	STEL	2,375 mg/m <sup>3</sup>
	TWA	1,185 mg/m <sup>3</sup>
toluene	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>
xylene	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m <sup>3</sup>
	TWA	434 mg/m <sup>3</sup>
methylcyclohexane	TWA	400 ppm
	TWA	1,610 mg/m <sup>3</sup>

**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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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	92 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	12.8 %	
Lower explosion limit	1 %	
Vapour pressure	74.5 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	0.8 g/cm <sup>3</sup>	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

not hazardous

% of unknown composition 0 %

**Skin corrosion/irritation**

heptane (mixture of isomers)	Category 2
acetone	Category 3
ethyl 3-ethoxypropionate	Category 3
toluene	Category 2
n-butyl acetate	Category 3
xylene	Category 2
ethylbenzene	Category 3
methylcyclohexane	Category 2

**Serious eye damage/eye irritation**

heptane (mixture of isomers)	Category 2A
acetone	Category 2A
toluene	Category 2B
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 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
ethyl 3-ethoxypropionate	Category 3
toluene	Category 2
n-butyl acetate	Category 3
xylene	Category 3
ethylbenzene	Category 2
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 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 [heptane (mixture of isomers)]

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 Control T	This product must be tracked.
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 9.1A
Chronic aquatic toxicity	Category 9.1A

**16. Other information**

## Revision Note

Version	Changes
1.0	

Revision Date: 2015-01-29  
 B12976589

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

End of Safety Data Sheet

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

<b>Product name</b>	441-22 Ful-Base Slow Reducer
<b>Product code</b>	441-22
<b>Intended use of the substance/preparation</b>	Thinner for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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 9.1A
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	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. Very toxic to aquatic life. Very 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
763-69-9	ethyl 3-ethoxypropionate	20 - 30%	✓	
142-82-5	heptane (mixture of isomers)	20 - 30%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
108-88-3	toluene	10 - 20%	✓	
67-64-1	acetone	5 - 10%	✓	
112-07-2	2-butoxyethyl acetate	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%	✓	
108-87-2	methylcyclohexane	0.3 - 1.0%	✓	
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. 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 (CO<sub>2</sub>), 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		
heptane (mixture of isomers)	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m <sup>3</sup>
	TWA	1,640 mg/m <sup>3</sup>
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m <sup>3</sup>
toluene	TWA	713 mg/m <sup>3</sup>
	TWA	50 ppm
acetone	TWA	188 mg/m <sup>3</sup>
	TWA	500 ppm
	STEL	1,000 ppm
1,2,4-trimethylbenzene	STEL	2,375 mg/m <sup>3</sup>
	TWA	1,185 mg/m <sup>3</sup>
	TWA	25 ppm
mesitylene	TWA	123 mg/m <sup>3</sup>
	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m <sup>3</sup>
methylcyclohexane	TWA	123 mg/m <sup>3</sup>
	TWA	400 ppm
	TWA	1,610 mg/m <sup>3</sup>
cumene	TWA	25 ppm

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 Chemical Name
 

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	STEL	75 ppm
	STEL	375 mg/m <sup>3</sup>
	TWA	125 mg/m <sup>3</sup>
xylene	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>

**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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) <sup>®</sup>	0.7 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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	-95 – -65 °C	
Boiling point	92 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	12.8 %	
Lower explosion limit	0.5 %	
Vapour pressure	44.1 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	0.83 g/cm <sup>3</sup>	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**

not hazardous

% of unknown composition 0 %

**Skin corrosion/irritation**

ethyl 3-ethoxypropionate	Category 3
heptane (mixture of isomers)	Category 2
n-butyl acetate	Category 3
toluene	Category 2
acetone	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 3
methylcyclohexane	Category 2
xylene	Category 2

**Serious eye damage/eye irritation**

heptane (mixture of isomers)	Category 2A
toluene	Category 2B
acetone	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**

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**

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**

ethyl 3-ethoxypropionate	Category 3
heptane (mixture of isomers)	Category 1
n-butyl acetate	Category 3
toluene	Category 2
2-butoxyethyl acetate	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
methylcyclohexane	Category 2
cumene	Category 2
xylene	Category 3

**Chronic aquatic toxicity**

heptane (mixture of isomers)	Category 1
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
methylcyclohexane	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 [heptane (mixture of isomers)]  
 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 Control T	This product must be tracked.
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 9.1A
Chronic aquatic toxicity	Category 9.1A

**16. Other information**

Revision Note

Version	Changes
1.0	



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Version    Changes

Revision Date: 2015-01-29  
B13028508

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End of Safety Data Sheet

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

<b>Product name</b>	441-29 Ful-Base Super-Flo Reducer
<b>Product code</b>	441-29
<b>Intended use of the substance/preparation</b>	Thinner for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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 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 swallowed. 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
763-69-9	ethyl 3-ethoxypropionate	30 - 40%	✓	
123-86-4	n-butyl acetate	20 - 30%	✓	
112-07-2	2-butoxyethyl acetate	10 - 20%	✓	
78-93-3	butanone	10 - 20%	✓	
108-88-3	toluene	5 - 10%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	3 - 5%	✓	
1330-20-7	xylene	3 - 5%	✓	
100-41-4	ethylbenzene	1 - 3%	✓	
111-76-2	2-butoxyethanol	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 (CO<sub>2</sub>), 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 <sup>3</sup>	
butanone	TWA	713 mg/m <sup>3</sup>	
	TWA	150 ppm	
	STEL	300 ppm	
toluene	STEL	890 mg/m <sup>3</sup>	
	TWA	445 mg/m <sup>3</sup>	
	TWA	50 ppm	
xylene	TWA	188 mg/m <sup>3</sup>	
	TWA	50 ppm	
ethylbenzene	TWA	217 mg/m <sup>3</sup>	
	TWA	100 ppm	
	STEL	125 ppm	
2-butoxyethanol	STEL	543 mg/m <sup>3</sup>	
	TWA	434 mg/m <sup>3</sup>	
	TWA	25 ppm	
	TWA	121 mg/m <sup>3</sup>	

#### 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) <sup>®</sup>	0.7 mm	10 min

Chemical Name	Glove material	Glove thickness	Break through time
	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
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	-95 – -65 °C	
Boiling point	78 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	11 %	
Lower explosion limit	0.5 %	
Vapour pressure	20.3 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	0.89 g/cm <sup>3</sup>	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**

2-butoxyethyl acetate	Category 4
butanone	Category 5
xylene	Category 5
ethylbenzene	Category 5
2-butoxyethanol	Category 4

**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
butanone	Category 3
toluene	Category 2
low boiling point naphtha (<0,1% benzene)	Category 2
xylene	Category 2
ethylbenzene	Category 3
2-butoxyethanol	Category 2

**Serious eye damage/eye irritation**

butanone	Category 2A
toluene	Category 2B
low boiling point naphtha (<0,1% benzene)	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**

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**

ethyl 3-ethoxypropionate	Category 3
n-butyl acetate	Category 3
2-butoxyethyl acetate	Category 3
toluene	Category 2
xylene	Category 3
ethylbenzene	Category 2

% of unknown composition 4.8%

**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: 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 6.3A
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:	2015-01-29
B12771455	

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

End of Safety Data Sheet



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

<b>Product name</b>	441-43 Activator/Reducer
<b>Product code</b>	441-43
<b>Intended use of the substance/preparation</b>	Thinner for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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 6.1D
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 ardous	Haz-
71-36-3	n-butanol	80 - 90%	✓	
64-17-5	ethanol	10 - 20%	✓	
7664-38-2	phosphoric acid	1 - 3%	✓	
67-56-1	methanol	0.3 - 1.0%	✓	
108-10-1	4-methylpentan-2-one	0.3 - 1.0%	✓	
141-78-6	ethyl acetate	0.1 - 0.3%	✓	
142-82-5	heptane (mixture of isomers)	0.1 - 0.3%	✓	
78-83-1	iso-butanol	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 (CO<sub>2</sub>), 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 <sup>3</sup>
	CEIL	50 ppm
ethanol	TWA	1,000 ppm
	TWA	1,880 mg/m <sup>3</sup>
phosphoric acid	TWA	1 mg/m <sup>3</sup>
methanol	TWA	200 ppm
	STEL	250 ppm
	STEL	328 mg/m <sup>3</sup>
4-methylpentan-2-one	TWA	262 mg/m <sup>3</sup>
	TWA	50 ppm
	STEL	75 ppm
	STEL	307 mg/m <sup>3</sup>
ethyl acetate	TWA	205 mg/m <sup>3</sup>
	TWA	200 ppm
	TWA	720 mg/m <sup>3</sup>
heptane (mixture of isomers)	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m <sup>3</sup>
	TWA	1,640 mg/m <sup>3</sup>
iso-butanol	TWA	50 ppm
	TWA	152 mg/m <sup>3</sup>

**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) <sup>®</sup>	0.7 mm	480 min
	Nitrile rubber	0.33 mm	480 min
ethyl acetate	Nitrile rubber	0.33 mm	10 min
	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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	21 %	
Lower explosion limit	1.4 %	
Vapour pressure	14.0 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	0.82 g/cm <sup>3</sup>	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**

n-butanol	Category 4
phosphoric acid	Category 4
methanol	Category 3
4-methylpentan-2-one	Category 5
iso-butanol	Category 5

**Acute dermal toxicity**

not hazardous

**Acute inhalation toxicity**

not hazardous

% of unknown composition 0 %

**Skin corrosion/irritation**

n-butanol	Category 2
phosphoric acid	Category 1A
4-methylpentan-2-one	Category 3
ethyl acetate	Category 3
heptane (mixture of isomers)	Category 2
iso-butanol	Category 2

**Serious eye damage/eye irritation**

n-butanol	Category 1
ethanol	Category 2A
phosphoric acid	Category 1
methanol	Category 2A
4-methylpentan-2-one	Category 2A
ethyl acetate	Category 2A
heptane (mixture of isomers)	Category 2A
iso-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**

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: 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	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:	2015-01-29
1250001897	



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

End of Safety Data Sheet

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

**Product name** NASON\* THINNER

**Product code** 441-49

**reference number** 441-49

**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 telephone number** NZ Poisons Information Centre Ph: 0800 764 766  
24-hour Emergency Number: (64)-9526 2501

**Importer** ULTRA PAINTS LTD.  
**Street/Box** 994 Great South Road, Penrose,  
Auckland, NZ

**Nat.-Code/Postal code/City**  
**Telephone** +64 (09) 525 0426

**Date of preparation** 2013-08-28

## 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
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** Warning

**Hazard statements** Flammable liquid and vapour.  
Causes mild skin irritation.  
Causes serious eye irritation.  
May cause damage to organs.  
May cause damage to organs through prolonged or repeated exposure.  
Harmful to aquatic life.

**Precautionary statements** Keep container tightly closed.  
Avoid release to the environment.  
Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
Do not eat, drink or smoke when using this product.  
Ground/bond container and receiving equipment.  
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
Take precautionary measures against static discharge.  
Use explosion-proof electrical/ventilating/lighting equipment.



Use only non-sparking tools.  
Wash hands after handling.  
Wear protective gloves/ eye protection/ face protection.  
Call a POISON CENTRE or doctor/physician if you feel unwell.  
If eye irritation persists: 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 ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
If skin irritation occurs: Get medical advice/ attention.  
Store in a well-ventilated place. Keep cool.  
Store locked up.  
Dispose of contents/container in accordance with local regulation.

**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
763-69-9	ethyl 3-ethoxypropionate	70 - 80%	✓	
112-07-2	2-butoxyethyl acetate	10 - 20%	✓	
1119-40-0	Dimethyl glutarate	3 - 5%	✓	
111-76-2	2-butoxyethanol	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 (CO<sub>2</sub>), 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.



Chemical Name

## 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 <sup>3</sup>

### 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) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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	-82 – -65 °C



Boiling point	185 °C	
Flash point	50 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	8.8 %	
Lower explosion limit	0.5 %	
Vapour pressure	0.9 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.96 g/cm <sup>3</sup>	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 classified according to GHS criteria

#### Acute dermal toxicity

not hazardous

#### Acute inhalation toxicity

not hazardous

% of unknown composition 1 %

**Skin corrosion/irritation**

ethyl 3-ethoxypropionate	Category 3
2-butoxyethyl acetate	Category 3
2-butoxyethanol	Category 2

**Serious eye damage/eye irritation**

2-butoxyethyl acetate	Category 2A
Dimethyl glutarate	Category 2B
2-butoxyethanol	Category 2

**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** Dimethyl glutarate

**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**

ethyl 3-ethoxypropionate	Category 3
2-butoxyethyl acetate	Category 3
Dimethyl glutarate	Category 3



% of unknown composition 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	
Skin corrosion/irritation	Category 6.3B
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
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C

**16. Other information**

## Revision Note

Version	Changes
1.0	

Revision Date: 2013-08-26  
1250018035

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

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

<b>Product name</b>	483-08 Kwik-Kure Enamel Hardner
<b>Product code</b>	483-08
<b>Intended use of the substance/preparation</b>	Hardener for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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
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>Highly 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. Keep container tightly closed. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray.</p>

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:  
 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 ardous	Haz-
123-86-4	n-butyl acetate	40 - 50%	✓	
53880-05-0	3-Isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate, oligomers	30 - 40%	✓	
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	1 - 3%	✓	
79-20-9	methyl acetate	1 - 3%	✓	
108-67-8	mesitylene	0.3 - 1.0%	✓	
98-82-8	cumene	0.1 - 0.3%	✓	
4098-71-9	3-isocyanatomethyl-3,5,5-trimethylcyclohexylisocyanate	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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m <sup>3</sup>
methyl acetate	TWA	200 ppm
	STEL	250 ppm
	STEL	757 mg/m <sup>3</sup>
	TWA	606 mg/m <sup>3</sup>
mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m <sup>3</sup>
	TWA	123 mg/m <sup>3</sup>
	TWA	123 mg/m <sup>3</sup>
cumene	TWA	25 ppm
	STEL	75 ppm
	STEL	375 mg/m <sup>3</sup>
	TWA	125 mg/m <sup>3</sup>

Chemical Name			
3-isocyanatomethyl-3,5,5-trimethylcyclohexylisocyanate	STEL		0.07 mg/m3
	TWA		0.02 mg/m3
xylene	TWA		50 ppm
	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
n-butyl acetate	Viton (R) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) <sup>®</sup>	0.7 mm	30 min
	Nitrile rubber	0.33 mm	30 min
xylene	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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	18 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	13.3 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.98 g/cm <sup>3</sup>	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 CO<sub>2</sub>. Evolution of CO<sub>2</sub> 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
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
1,2,4-trimethylbenzene	Category 2
ethyl 3-ethoxypropionate	Category 3
methyl acetate	Category 2
mesitylene	Category 3
3-isocyanatomethyl-3,5,5-trimethylcyclohexylisocyanate	Category 2
xylene	Category 2

**Serious eye damage/eye irritation**

Not classified according to GHS criteria

**Respiratory sensitisation**

3-isocyanatomethyl-3,5,5-trimethylcyclohexylisocyanate Category 1

**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**

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
ethyl 3-ethoxypropionate	Category 3
mesitylene	Category 2
cumene	Category 2
3-isocyanatomethyl-3,5,5-trimethylcyclohexylisocyanate	Category 3
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
3-isocyanatomethyl-3,5,5-trimethylcyclohexylisocyanate	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

Respiratory sensitisation Category 6.5A

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	

Revision Date: 2015-01-29  
B12791378

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



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End of Safety Data Sheet

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

<b>Product name</b>	FUL-CRYL CATII CATALYST
<b>Product code</b>	483-11
<b>reference number</b>	483-11
<b>Intended use of the substance/preparation</b> Hardener for professional use	
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency telephone number	NZ Poisons Information Centre Ph: 0800 764 766 24-hour Emergency Number: (64)-9526 2501
Importer	ULTRA PAINTS LTD.
Street/Box	994 Great South Road, Penrose, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 525 0426
Date of preparation	2013-08-28

## 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
Toxicity for reproduction	Category 6.8B
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	Highly flammable liquid and vapour. Causes mild skin irritation. Causes serious eye irritation. Suspected of damaging fertility or the unborn child. May cause damage to organs. May cause damage to organs through prolonged or repeated exposure. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
Precautionary statements	Keep container tightly closed. Avoid release to the environment. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Do not eat, drink or smoke when using this product.



Ground/bond container and receiving equipment.  
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
Obtain special instructions before use.  
Take precautionary measures against static discharge.  
Use explosion-proof electrical/ventilating/lighting equipment.  
Use only non-sparking tools.  
Wash hands after handling.  
Wear protective gloves/ eye protection/ face protection.  
Call a POISON CENTRE or doctor/physician if you feel unwell.  
If eye irritation persists: 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 ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
If skin irritation occurs: Get medical advice/ attention.  
Store in a well-ventilated place. Keep cool.  
Store locked up.  
Dispose of contents/container in accordance with local regulation.

**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	Hazardous
28182-81-2	Hexamethylene diisocyanate, oligomers	70 - 80%		
108-88-3	toluene	5 - 10%	✓	
123-86-4	n-butyl acetate	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%	✓	
112-07-2	2-butoxyethyl acetate	1 - 3%	✓	
108-67-8	mesitylene	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.

**Notes to physician**

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 (CO<sub>2</sub>), 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/m3
	TWA	0.02 mg/m3
toluene	TWA	50 ppm
	TWA	188 mg/m3
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m3
1,2,4-trimethylbenzene	TWA	713 mg/m3
	TWA	25 ppm
	TWA	123 mg/m3
mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m3
	TWA	123 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
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	109 °C	
Flash point	10 °C	
Evapouration rate	Slower than Ether	
Flammability		
Upper explosion limit	7.1 %	
Lower explosion limit	1.1 %	
Vapour pressure	3.4 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	1.09 g/cm <sup>3</sup>	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 and strongly acid or alkaline materials. Amines and alcohols cause exothermic reactions. Mixture reacts slowly with water resulting in evolution of CO<sub>2</sub>. Evolution of CO<sub>2</sub> 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**

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

**Serious eye damage/eye irritation**

toluene	Category 2B
2-methoxy-1-methylethyl acetate	Category 2
1,2,4-trimethylbenzene	Category 2
2-butoxyethyl acetate	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**

toluene Category 2

**Target Organ Systemic Toxicant - Single exposure**• **Skin Absorption****Narcotic effects** toluene• **Inhalation****Respiratory system** 2-methoxy-1-methylethyl acetate, 1,2,4-trimethylbenzene**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**

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**

toluene	Category 2
n-butyl acetate	Category 3
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
2-butoxyethyl acetate	Category 3
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: 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
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Single exposure	Category 6.9B
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:	2013-08-26
1250001759	

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

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

<b>Product name</b>	GLOSS-E ADDITIVE
<b>Product code</b>	483-13
<b>reference number</b>	483-13
<b>Intended use of the substance/preparation</b> Hardener for professional use	
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency telephone number	NZ Poisons Information Centre Ph: 0800 764 766 24-hour Emergency Number: (64)-9526 2501
Importer	Resene Paints Ltd.
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2013-08-28

## 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
Respiratory sensitisation	Category 6.5A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
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

Highly flammable liquid and vapour.  
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.  
Causes damage to organs.  
May cause damage to organs through prolonged or repeated exposure.  
Harmful to aquatic life.  
Harmful to aquatic life with long lasting effects.



Precautionary statements	<p>Contaminated work clothing should not be allowed out of the workplace. Keep container tightly closed. Avoid release to the environment. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Do not eat, drink or smoke when using this product. Ground/bond container and receiving equipment. In case of inadequate ventilation wear respiratory protection. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Take precautionary measures against static discharge. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Wash hands after handling. Wear protective gloves/ eye protection/ face protection. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/ physician. IF exposed: Call a POISON CENTER or doctor/ physician. If eye irritation persists: 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 ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. If skin irritation or rash occurs: Get medical advice/ attention. Specific treatment (see supplemental first aid instructions on this label). Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local regulation.</p>
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**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
123-86-4	n-butyl acetate	50 - 60%	✓
108-88-3	toluene	5 - 10%	✓
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%	✓
9038-95-3	Glycols, polyethylene polypropylene, monobutyl ether	1 - 3%	✓
79-20-9	methyl 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%	✓
78-83-1	iso-butanol	0.3 - 1.0%	✓
4098-71-9	3-isocyanatomethyl-3,5,5- trimethylcyclohexylisocyanate	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. 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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>
toluene	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m <sup>3</sup>
methyl acetate	TWA	200 ppm
	STEL	250 ppm
	STEL	757 mg/m <sup>3</sup>
	TWA	606 mg/m <sup>3</sup>





Chemical Name		
xylene	TWA	50 ppm
	TWA	217 mg/m3
mesitylene	TWA	25 ppm
	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
iso-butanol	TWA	50 ppm
	TWA	152 mg/m3
3-isocyanatomethyl-3,5,5-trimethylcyclohexylisocyanate	STEL	0.07 mg/m3
	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
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	109 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	7.6 %	
Lower explosion limit	0.9 %	
Vapour pressure	16.4 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.93 g/cm <sup>3</sup>	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	370 °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 CO<sub>2</sub>. Evolution of CO<sub>2</sub> 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**

n-butyl acetate	Category 3
toluene	Category 2
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
ethyl 3-ethoxypropionate	Category 3
methyl acetate	Category 2
xylene	Category 2
mesitylene	Category 3
ethylbenzene	Category 3
iso-butanol	Category 2
3-isocyanatomethyl-3,5,5-trimethylcyclohexylisocyanate	Category 2

**Serious eye damage/eye irritation**

toluene	Category 2B
1,2,4-trimethylbenzene	Category 2
methyl acetate	Category 1
xylene	Category 2
mesitylene	Category 2A
ethylbenzene	Category 2B
iso-butanol	Category 1
3-isocyanatomethyl-3,5,5-trimethylcyclohexylisocyanate	Category 2

**Respiratory sensitisation**

3-isocyanatomethyl-3,5,5-trimethylcyclohexylisocyanate	Category 1
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**Skin sensitisation**

3-isocyanatomethyl-3,5,5-trimethylcyclohexylisocyanate	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****• Skin Absorption****Narcotic effects** toluene**• Inhalation****Respiratory system** 1,2,4-trimethylbenzene, methyl acetate**Central nervous system** iso-butanol, 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**

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
toluene	Category 2
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
ethylbenzene	Category 2
3-isocyanatomethyl-3,5,5-trimethylcyclohexylisocyanate	Category 3

**Chronic aquatic toxicity**

1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
mesitylene	Category 2
3-isocyanatomethyl-3,5,5-trimethylcyclohexylisocyanate	Category 2



% of unknown composition 1.2%

**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: 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
Respiratory sensitisation	Category 6.5A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Single exposure	Category 6.9B
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:	2013-08-26
NFG-17039	

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

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

<b>Product name</b>	FAST GLOSS-E ADDITIVE
<b>Product code</b>	483-14
<b>reference number</b>	483-14
<b>Intended use of the substance/preparation</b> Hardener for professional use	
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency telephone number	NZ Poisons Information Centre Ph: 0800 764 766 24-hour Emergency Number: (64)-9526 2501
Importer	Resene Paints Ltd.
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2013-08-28

## 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
Respiratory sensitisation	Category 6.5A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
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

Highly flammable liquid and vapour.  
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.  
Causes damage to organs.  
May cause damage to organs through prolonged or repeated exposure.  
Harmful to aquatic life.  
Harmful to aquatic life with long lasting effects.



Precautionary statements	<p>Contaminated work clothing should not be allowed out of the workplace. Keep container tightly closed. Avoid release to the environment. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Do not eat, drink or smoke when using this product. Ground/bond container and receiving equipment. In case of inadequate ventilation wear respiratory protection. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Take precautionary measures against static discharge. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Wash hands after handling. Wear protective gloves/ eye protection/ face protection. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/ physician. IF exposed: Call a POISON CENTER or doctor/ physician. If eye irritation persists: 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 ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. If skin irritation or rash occurs: Get medical advice/ attention. Specific treatment (see supplemental first aid instructions on this label). Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local regulation.</p>
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**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	Haz- ardous
123-86-4	n-butyl acetate	50 - 60%	✓	
108-88-3	toluene	5 - 10%	✓	
95-63-6	1,2,4-trimethylbenzene	1 - 3%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	1 - 3%	✓	
9038-95-3	Glycols, polyethylene polypropylene, monobutyl ether	1 - 3%	✓	
79-20-9	methyl 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%	✓	
78-83-1	iso-butanol	0.3 - 1.0%	✓	
4098-71-9	3-isocyanatomethyl-3,5,5- trimethylcyclohexylisocyanate	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. 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 (CO<sub>2</sub>), 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/m3
	TWA	713 mg/m3
toluene	TWA	50 ppm
	TWA	188 mg/m3
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m3
methyl acetate	TWA	200 ppm
	STEL	250 ppm
	STEL	757 mg/m3
	TWA	606 mg/m3



Chemical Name		
xylene	TWA	50 ppm
	TWA	217 mg/m3
mesitylene	TWA	25 ppm
	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
iso-butanol	TWA	50 ppm
	TWA	152 mg/m3
3-isocyanatomethyl-3,5,5-trimethylcyclohexylisocyanate	STEL	0.07 mg/m3
	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
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	109 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	7.6 %	
Lower explosion limit	0.9 %	
Vapour pressure	16.5 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.93 g/cm <sup>3</sup>	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	370 °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 CO<sub>2</sub>. Evolution of CO<sub>2</sub> 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**

n-butyl acetate	Category 3
toluene	Category 2
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
methyl acetate	Category 2
xylene	Category 2
mesitylene	Category 3
ethylbenzene	Category 3
iso-butanol	Category 2
3-isocyanatomethyl-3,5,5-trimethylcyclohexylisocyanate	Category 2

**Serious eye damage/eye irritation**

toluene	Category 2B
1,2,4-trimethylbenzene	Category 2
methyl acetate	Category 1
xylene	Category 2
mesitylene	Category 2A
ethylbenzene	Category 2B
iso-butanol	Category 1
3-isocyanatomethyl-3,5,5-trimethylcyclohexylisocyanate	Category 2

**Respiratory sensitisation**

3-isocyanatomethyl-3,5,5-trimethylcyclohexylisocyanate	Category 1
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**Skin sensitisation**

3-isocyanatomethyl-3,5,5-trimethylcyclohexylisocyanate	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****• Skin Absorption****Narcotic effects** toluene**• Inhalation****Respiratory system** 1,2,4-trimethylbenzene, methyl acetate**Central nervous system** iso-butanol, 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**

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
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
3-isocyanatomethyl-3,5,5-trimethylcyclohexylisocyanate	Category 3

**Chronic aquatic toxicity**

1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
mesitylene	Category 2
3-isocyanatomethyl-3,5,5-trimethylcyclohexylisocyanate	Category 2



% of unknown composition 1.5%

**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	
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
Target Organ Systemic Toxicant - Single exposure	Category 6.9B
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: 2013-08-26  
NFG-17040

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



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

<b>Product name</b>	483-15 Ful-Thane 2K Urethane Catalyst
<b>Product code</b>	483-15
<b>Intended use of the substance/preparation</b>	Hardener for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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

Flammable liquids	Category 3.1D
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	Combustible liquid 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 with long lasting effects.
Precautionary statements	Keep away from open flames/hot surfaces. - No smoking. Avoid release to the environment. In case of inadequate ventilation wear respiratory protection. 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	80 - 90%	✓	
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%	✓	
108-67-8	mesitylene	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.

**Notes to physician**

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 (CO<sub>2</sub>), 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 <sup>3</sup>	
	TWA	0.02 mg/m <sup>3</sup>	
n-butyl acetate	TWA	150 ppm	
	STEL	200 ppm	
	STEL	950 mg/m <sup>3</sup>	
1,2,4-trimethylbenzene	TWA	713 mg/m <sup>3</sup>	
	TWA	25 ppm	
mesitylene	TWA	123 mg/m <sup>3</sup>	
	TWA	25 ppm	
	TWA	25 ppm	
	TWA	123 mg/m <sup>3</sup>	
	TWA	123 mg/m <sup>3</sup>	

**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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) <sup>®</sup>	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	203 °C	
Flash point	65 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	Not applicable.	
Lower explosion limit	Not applicable.	
Vapour pressure	1.0 hPa	
Solubility(ies)	nil	
Vapour density	no data available	
Density	1.13 g/cm <sup>3</sup>	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 and strongly acid or alkaline materials. Amines and alcohols cause exothermic reactions. Mixture reacts slowly with water resulting in evolution of CO<sub>2</sub>. Evolution of CO<sub>2</sub> 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

#### 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.

**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

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	HSR002657
HSNO Classification	
Skin corrosion/irritation	Category 6.3B
Respiratory sensitisation	Category 6.5A
Skin sensitisation	Category 6.5B
Flammable liquids	Category 3.1D
Chronic aquatic toxicity	Category 9.1C

## 16. Other information

Revision Note

Version	Changes
1.0	

Revision Date: 2015-01-29  
B12791366

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

End of Safety Data Sheet



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

<b>Product name</b>	483-18 Ful-Thane Accelerator
<b>Product code</b>	483-18
<b>Intended use of the substance/preparation</b>	Hardener for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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 6.1D
Acute dermal toxicity	Category 6.1C
Acute inhalation toxicity	Category 6.1C
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	Highly flammable liquid and vapour. Harmful if swallowed. Toxic in contact with skin. Toxic if inhaled. May cause an allergic skin reaction. May damage 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.  
 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

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-
123-54-6	pentane-2,4-dione	90 - 100%	✓	
77-58-7	dibutylbis((1-oxododecyl)oxy)stannane	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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	0.1 mg/m <sup>3</sup>

### 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	10 °C
Evaporation rate	Slower than Ether
Flammability	
Upper explosion limit	11.6 %
Lower explosion limit	1.7 %
Vapour pressure	9.0 hPa

Solubility(ies)	appreciable	
Vapour density	no data available	
Density	0.98 g/cm <sup>3</sup>	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.

#### Ingestion

May result in gastrointestinal distress.

#### Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may 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**

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**

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 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

% 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	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 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
1.0	

Revision Date: 2015-01-29  
B11636690

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

End of Safety Data Sheet



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

<b>Product name</b>	483-19 Ful-Poxy Catalyst
<b>Product code</b>	483-19
<b>Intended use of the substance/preparation</b>	
Hardener for professional use	
<b>Supplier</b>	
Street address	Axalta Coating Systems Australia Pty Limited 15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	
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 6.3A
Serious eye damage/eye irritation	Category 8.3A
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	<p>Highly flammable liquid and vapour. May be harmful if swallowed. 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.</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. IF exposed or concerned: Get medical advice/ attention.</p>

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
107-98-2	1-methoxy-2-propanol	30 - 40%	✓	
71-36-3	n-butanol	20 - 30%	✓	
108-88-3	toluene	10 - 20%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	10 - 20%	✓	
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.

**Ingestion**

May result in gastrointestinal distress.

**Skin 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 (CO<sub>2</sub>), 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
1-methoxy-2-propanol	TWA	100 ppm
	STEL	150 ppm
	STEL	553 mg/m <sup>3</sup>
	TWA	369 mg/m <sup>3</sup>
n-butanol	CEIL	150 mg/m <sup>3</sup>
	CEIL	50 ppm
toluene	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>

**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) <sup>®</sup>	0.7 mm	480 min
	Nitrile rubber	0.33 mm	480 min
n-butyl acetate	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier

on use, storage, maintenance and replacement must be followed. 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	109 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	13.7 %	
Lower explosion limit	0.9 %	
Vapour pressure	11.8 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	0.87 g/cm <sup>3</sup>	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**

1-methoxy-2-propanol	Category 5
n-butanol	Category 4

**Acute dermal toxicity**

Not classified according to GHS criteria

**Acute inhalation toxicity**

not hazardous

% of unknown composition 0 %

**Skin corrosion/irritation**

1-methoxy-2-propanol	Category 3
n-butanol	Category 2
toluene	Category 2
low boiling point naphtha (<0,1% benzene)	Category 2
n-butyl acetate	Category 3

**Serious eye damage/eye irritation**

1-methoxy-2-propanol	Category 2B
n-butanol	Category 1
toluene	Category 2B
low boiling point naphtha (<0,1% benzene)	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**

- **Skin Absorption**

**Central nervous system** 1-methoxy-2-propanol

- **Inhalation**

**Respiratory system** 1-methoxy-2-propanol

**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: 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 6.3A
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

**16. Other information**

## Revision Note

Version	Changes
1.0	

Revision Date: 2015-01-29  
 B10365139

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

End of Safety Data Sheet



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

<b>Product name</b>	483-30 Ful-Base Basecoat Activator
<b>Product code</b>	483-30
<b>Intended use of the substance/preparation</b>	Hardener for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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
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>Highly 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. Keep container tightly closed. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray.</p>

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 ardous	Haz-
28182-81-2	Hexamethylene diisocyanate, oligomers	60 - 70%	✓	
123-86-4	n-butyl acetate	30 - 40%	✓	
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%	✓	

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 (CO<sub>2</sub>), 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/m3
	TWA	0.02 mg/m3
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m3
1,2,4-trimethylbenzene	TWA	713 mg/m3
	TWA	25 ppm
mesitylene	TWA	123 mg/m3
	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m3
	TWA	123 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) <sup>®</sup>	0.7 mm	10 min

Chemical Name	Glove material	Glove thickness	Break through time
	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	203 °C	
Flash point	10 °C	
Evapouration rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1.2 %	
Vapour pressure	5.5 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.04 g/cm <sup>3</sup>	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 and strongly acid or alkaline materials. Amines and alcohols cause exothermic reactions. Mixture reacts slowly with water resulting in evolution of CO<sub>2</sub>. Evolution of CO<sub>2</sub> 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

### 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 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**

n-butyl acetate	Category 3
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	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: 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
Respiratory sensitisation	Category 6.5A
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	

Revision Date: 2015-01-29  
B12791383

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

End of Safety Data Sheet

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

<b>Product name</b>	483-35 Ful-Poxy HS Fast Accelerator
<b>Product code</b>	483-35
<b>Intended use of the substance/preparation</b>	Hardener for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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

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.
Precautionary statements	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 ardous	Haz-
67-64-1	acetone	30 - 40%	✓	
71-36-3	n-butanol	10 - 20%	✓	
110-12-3	5-methylhexan-2-one	5 - 10%	✓	
1330-20-7	xylene	3 - 5%	✓	
79-20-9	methyl acetate	1 - 3%	✓	
100-41-4	ethylbenzene	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 (CO<sub>2</sub>), 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 <sup>3</sup>

Chemical Name		
	TWA	1,185 mg/m <sup>3</sup>
n-butanol	CEIL	150 mg/m <sup>3</sup>
	CEIL	50 ppm
5-methylhexan-2-one	TWA	50 ppm
	TWA	234 mg/m <sup>3</sup>
xylene	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>
methyl acetate	TWA	200 ppm
	STEL	250 ppm
	STEL	757 mg/m <sup>3</sup>
	TWA	606 mg/m <sup>3</sup>
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m <sup>3</sup>
	TWA	434 mg/m <sup>3</sup>

### 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) <sup>®</sup>	0.7 mm	480 min
	Nitrile rubber	0.33 mm	480 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to

use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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: amber    Odor Threshold : no data available

pH	No data available.	
Freezing point	Not applicable.	
Boiling point	117 °C	
Flash point	-13 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	12.8 %	
Lower explosion limit	1 %	
Vapour pressure	95.7 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	0.87 g/cm <sup>3</sup>	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**

not hazardous

% of unknown composition 0 %

**Skin corrosion/irritation**

acetone	Category 3
n-butanol	Category 2
5-methylhexan-2-one	Category 3
xylene	Category 2
methyl acetate	Category 2
ethylbenzene	Category 3

**Serious eye damage/eye irritation**

acetone	Category 2A
n-butanol	Category 1
5-methylhexan-2-one	Category 2A
xylene	Category 2A
methyl acetate	Category 1
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**

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 8.3A
Flammable liquids	Category 3.1B

## 16. Other information

### Revision Note

Version	Changes
1.0	

Revision Date: 2015-01-29  
NFG-35995

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



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End of Safety Data Sheet

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

<b>Product name</b>	CLEAR CATALYST
<b>Product code</b>	483-38
<b>reference number</b>	483-38
<b>Intended use of the substance/preparation</b> Hardener for professional use	
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency telephone number	NZ Poisons Information Centre Ph: 0800 764 766 24-hour Emergency Number: (64)-9526 2501
Importer	Resene Paints Ltd.
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2013-08-28

## 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
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 inhaled. Causes serious eye irritation.
Precautionary statements	Keep container tightly closed. Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. Ground/bond container and receiving equipment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Take precautionary measures against static discharge. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Use only outdoors or in a well-ventilated area. Wash hands after handling. Wear protective gloves/ eye protection/ face protection. Call a POISON CENTRE or doctor/physician if you feel unwell. If eye irritation persists: 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: Call a POISON CENTER or doctor/ physician if you feel unwell.



IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.  
IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
Store in a well-ventilated place. Keep container tightly closed.  
Store in a well-ventilated place. Keep cool.  
Store locked up.  
Dispose of contents/container in accordance with local regulation.

**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%		
108-10-1	4-methylpentan-2-one	20 - 30%	✓	

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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	0.02 mg/m <sup>3</sup>
4-methylpentan-2-one	TWA	50 ppm
	STEL	75 ppm
	STEL	307 mg/m <sup>3</sup>
	TWA	205 mg/m <sup>3</sup>

**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.

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	not applicable	
Freezing point	Not applicable.	
Boiling point	114 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	7.5 %	
Lower explosion limit	1.2 %	
Vapour pressure	5.4 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	1.04 g/cm <sup>3</sup>	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	445 °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 CO<sub>2</sub>. Evolution of CO<sub>2</sub> 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
4-methylpentan-2-one	Category 4

% of unknown composition 0 %

**Skin corrosion/irritation**

Not classified according to GHS criteria

**Serious eye damage/eye irritation**

4-methylpentan-2-one Category 2

**Respiratory sensitisation**

Not classified according to GHS criteria

**Skin sensitisation**

Not classified according to GHS criteria

**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 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 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 inhalation toxicity	Category 6.1E
Serious eye damage/eye irritation	Category 6.4A
Flammable liquids	Category 3.1B



## 16. Other information

Revision Note

Version	Changes
1.0	

Revision Date: 2013-08-26  
1250001768

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

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

<b>Product name</b>	483-45 Ful-Poxy HS Slow Activator
<b>Product code</b>	483-45
<b>Intended use of the substance/preparation</b>	Hardener for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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	2015-02-01

## 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 6.3A
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	Highly 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. 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 ardous	Haz-
71-36-3	n-butanol	20 - 30%	✓	
110-12-3	5-methylhexan-2-one	5 - 10%	✓	
1330-20-7	xylene	5 - 10%	✓	
100-41-4	ethylbenzene	1 - 3%	✓	
79-20-9	methyl acetate	1 - 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 (CO<sub>2</sub>), 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 <sup>3</sup>
	CEIL	50	ppm
5-methylhexan-2-one	TWA	50	ppm
	TWA	234	mg/m <sup>3</sup>
xylene	TWA	50	ppm

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 Chemical Name
 

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	TWA	217 mg/m <sup>3</sup>
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m <sup>3</sup>
methyl acetate	TWA	434 mg/m <sup>3</sup>
	TWA	200 ppm
	STEL	250 ppm
	STEL	757 mg/m <sup>3</sup>
	TWA	606 mg/m <sup>3</sup>

**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) <sup>®</sup>	0.7 mm	480 min
	Nitrile rubber	0.33 mm	480 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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: amber    Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	117 °C	
Flash point	21 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	11.2 %	
Lower explosion limit	1 %	
Vapour pressure	6.8 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.92 g/cm <sup>3</sup>	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**

n-butanol	Category 4
5-methylhexan-2-one	Category 5
xylene	Category 5
ethylbenzene	Category 5

**Acute dermal toxicity**

not hazardous

**Acute inhalation toxicity**

not hazardous

% of unknown composition 0 %

**Skin corrosion/irritation**

n-butanol	Category 2
5-methylhexan-2-one	Category 3
xylene	Category 2
ethylbenzene	Category 3
methyl acetate	Category 2

**Serious eye damage/eye irritation**

n-butanol	Category 1
5-methylhexan-2-one	Category 2A
xylene	Category 2A
ethylbenzene	Category 2B
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 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	
Acute oral toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 8.3A
Flammable liquids	Category 3.1B

## 16. Other information

## Revision Note

Version	Changes
1.0	

Revision Date: 2015-02-01  
NFG-35996

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

End of Safety Data Sheet

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

<b>Product name</b>	483-52 3.5 VOC HS Ful-Thane Activator
<b>Product code</b>	483-52
<b>Intended use of the substance/preparation</b>	Hardener for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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
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
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 mild 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 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.</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.

### 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%	✓	
108-88-3	toluene	5 - 10%	✓	
123-86-4	n-butyl acetate	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%	✓	
112-07-2	2-butoxyethyl acetate	1 - 3%	✓	
108-67-8	mesitylene	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.

**Notes to physician**

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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	0.02 mg/m <sup>3</sup>
toluene	TWA	50 ppm
	TWA	188 mg/m <sup>3</sup>
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m <sup>3</sup>
1,2,4-trimethylbenzene	TWA	713 mg/m <sup>3</sup>
	TWA	25 ppm
	TWA	123 mg/m <sup>3</sup>
mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m <sup>3</sup>
	TWA	123 mg/m <sup>3</sup>

### 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. 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	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	7 %	
Lower explosion limit	1.1 %	
Vapour pressure	3.5 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	1.09 g/cm <sup>3</sup>	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 and strongly acid or alkaline materials. Amines and alcohols cause exothermic reactions. Mixture reacts slowly with water resulting in evolution of CO<sub>2</sub>. Evolution of CO<sub>2</sub> 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

toluene	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



**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**

- **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.

**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: 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
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
Chronic aquatic toxicity	Category 9.1C

**16. Other information**

## Revision Note

Version	Changes
1.0	
Revision Date:	2015-01-29
B12857385	

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

End of Safety Data Sheet

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

<b>Product name</b>	483-54 Low VOC Ful-Thane Accelerator
<b>Product code</b>	483-54
<b>Intended use of the substance/preparation</b>	Intermediate
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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 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	Flammable liquid and vapour. Harmful if swallowed. Toxic in contact with skin. Toxic if inhaled. Causes skin irritation. Causes serious eye irritation.

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.  
 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 INHALED: Remove person to fresh air and keep comfortable for breathing.  
 If eye irritation persists: Get medical advice/ attention.  
 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	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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	0.1 mg/m <sup>3</sup>

### 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	34 °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**

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 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: 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	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 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
1.0	

Revision Date: 2015-01-29  
B12857399

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

End of Safety Data Sheet

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

<b>Product name</b>	483-78 Activator
<b>Product code</b>	483-78
<b>Intended use of the substance/preparation</b>	Hardener for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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
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	Highly flammable liquid and vapour. 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.
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.

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 ardous	Haz-
28182-81-2	Hexamethylene diisocyanate, oligomers	40 - 50%	✓	
108-10-1	4-methylpentan-2-one	30 - 40%	✓	
108-65-6	2-methoxy-1-methylethyl acetate	10 - 20%	✓	
624-54-4	pentyl propionate	3 - 5%	✓	
123-86-4	n-butyl acetate	1 - 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 (CO<sub>2</sub>), 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 <sup>3</sup>	
	TWA	0.02 mg/m <sup>3</sup>	
4-methylpentan-2-one	TWA	50 ppm	
	STEL	75 ppm	
	STEL	307 mg/m <sup>3</sup>	
	TWA	205 mg/m <sup>3</sup>	
n-butyl acetate	TWA	150 ppm	
	STEL	200 ppm	
	STEL	950 mg/m <sup>3</sup>	
	TWA	713 mg/m <sup>3</sup>	

**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) <sup>®</sup>	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	No data available.	
Freezing point	Not applicable.	
Boiling point	114 °C	
Flash point	18 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	7.5 %	
Lower explosion limit	1.2 %	
Vapour pressure	8.6 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	0.95 g/cm <sup>3</sup>	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 and strongly acid or alkaline materials. Amines and alcohols cause exothermic reactions. Mixture reacts slowly with water resulting in evolution of CO<sub>2</sub>. Evolution of CO<sub>2</sub> 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
4-methylpentan-2-one	Category 4

% of unknown composition 0 %

#### Skin corrosion/irritation

4-methylpentan-2-one	Category 3
n-butyl acetate	Category 3

#### Serious eye damage/eye irritation

4-methylpentan-2-one	Category 2A
2-methoxy-1-methylethyl acetate	Category 2A

#### 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 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**

pentyl propionate	Category 2
n-butyl acetate	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: 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
Respiratory sensitisation	Category 6.5A
Skin sensitisation	Category 6.5B
Flammable liquids	Category 3.1B
Acute aquatic toxicity	Category 9.1C

**16. Other information**

Revision Note

Version	Changes
1.0	



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Version	Changes
Revision Date: B12773532	2015-01-29

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

End of Safety Data Sheet

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

<b>Product name</b>	483-79 Slow Activator
<b>Product code</b>	483-79
<b>Intended use of the substance/preparation</b>	Hardener for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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
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	Flammable liquid and vapour. Causes 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. Toxic 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. Wear protective gloves/protective clothing/eye protection/face protection.

Avoid breathing dust/ vapours/ spray.  
 Collect spillage.  
 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. 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
28182-81-2	Hexamethylene diisocyanate, oligomers	40 - 50%	✓	
95-63-6	1,2,4-trimethylbenzene	10 - 20%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	10 - 20%	✓	
763-69-9	ethyl 3-ethoxypropionate	10 - 20%	✓	
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%	✓	
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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	0.02 mg/m <sup>3</sup>
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m <sup>3</sup>
mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m <sup>3</sup>
cumene	TWA	123 mg/m <sup>3</sup>
	TWA	25 ppm
	STEL	75 ppm
	STEL	375 mg/m <sup>3</sup>
xylene	TWA	125 mg/m <sup>3</sup>
	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>

**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
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	-82 – -65 °C	
Boiling point	149 °C	
Flash point	47 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	8.8 %	
Lower explosion limit	0.5 %	
Vapour pressure	2.1 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	1 g/cm <sup>3</sup>	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 CO<sub>2</sub>. Evolution of CO<sub>2</sub> 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**

1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
ethyl 3-ethoxypropionate	Category 3
mesitylene	Category 3
n-propylbenzene	Category 3
xylene	Category 2
4-isocyanatosulphonyltoluene	Category 2

**Serious eye damage/eye irritation**

1,2,4-trimethylbenzene	Category 2A
mesitylene	Category 2A
xylene	Category 2A
4-isocyanatosulphonyltoluene	Category 2A

**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

1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
ethyl 3-ethoxypropionate	Category 3
2-butoxyethyl acetate	Category 3
mesitylene	Category 2
n-propylbenzene	Category 2
cumene	Category 2
xylene	Category 3
4-isocyanatosulphonyltoluene	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
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: 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	
Skin corrosion/irritation	Category 6.3A
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 9.1B

## 16. Other information

Revision Note

Version	Changes
1.0	

Revision Date: 2015-01-29  
B12775850

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

End of Safety Data Sheet

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

<b>Product name</b>	483-87 Selectprime 2K Urethane Primer Act.
<b>Product code</b>	483-87
<b>Intended use of the substance/preparation</b>	Hardener for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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
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. 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. 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.          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 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.</p>
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#### 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	30 - 40%	✓	
141-78-6	ethyl acetate	20 - 30%	✓	
1330-20-7	xylene	20 - 30%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
108-88-3	toluene	5 - 10%	✓	
123-86-4	n-butyl acetate	1 - 3%	✓	
78-93-3	butanone	1 - 3%	✓	
95-63-6	1,2,4-trimethylbenzene	0.3 - 1.0%	✓	
108-67-8	mesitylene	0.1 - 0.3%	✓	
4083-64-1	4-isocyanatosulphonyltoluene	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. 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 (CO<sub>2</sub>), 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/m3
	TWA	0.02 mg/m3
ethyl acetate	TWA	200 ppm
	TWA	720 mg/m3
xylene	TWA	50 ppm
	TWA	217 mg/m3
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m3
toluene	TWA	434 mg/m3
	TWA	50 ppm
	TWA	188 mg/m3
n-butyl acetate	TWA	150 ppm

Chemical Name		
butanone	STEL	200 ppm
	STEL	950 mg/m3
	TWA	713 mg/m3
	TWA	150 ppm
	STEL	300 ppm
	STEL	890 mg/m3
1,2,4-trimethylbenzene	TWA	445 mg/m3
	TWA	25 ppm
	TWA	123 mg/m3
mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m3
	TWA	123 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
ethyl acetate	Nitrile rubber	0.33 mm	10 min
	Viton (R) <sup>®</sup>	0.7 mm	480 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	0.7 mm	480 min
n-butyl acetate	Viton (R) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
butanone	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the

product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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	
Evapouration rate	Slower than Ether	
Flammability		
Upper explosion limit	11 %	
Lower explosion limit	1 %	
Vapour pressure	29.1 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.96 g/cm <sup>3</sup>	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 and strongly acid or alkaline materials. Amines and alcohols cause exothermic reactions. Mixture reacts slowly with water resulting in evolution of CO<sub>2</sub>. Evolution of CO<sub>2</sub> 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
1,2,4-trimethylbenzene	Category 4

% of unknown composition 0 %

#### Skin corrosion/irritation

ethyl acetate	Category 3
xylene	Category 2
ethylbenzene	Category 3
toluene	Category 2
n-butyl acetate	Category 3
butanone	Category 3
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 3
4-isocyanatosulphonyltoluene	Category 2

#### Serious eye damage/eye irritation

ethyl acetate	Category 2A
xylene	Category 2A
ethylbenzene	Category 2B
toluene	Category 2B
butanone	Category 2A
1,2,4-trimethylbenzene	Category 2A
mesitylene	Category 2A
4-isocyanatosulphonyltoluene	Category 2A

**Respiratory sensitisation**

Hexamethylene diisocyanate, oligomers    Category 1  
4-isocyanatosulphonyltoluene            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**

- **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**

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
ethylbenzene	Category 2
toluene	Category 2
n-butyl acetate	Category 3
1,2,4-trimethylbenzene	Category 2
mesitylene	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: 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
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:	2015-01-29
B12771817	

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

End of Safety Data Sheet



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

<b>Product name</b>	491-12 U-Primer Grey Primer
<b>Product code</b>	491-12
<b>Intended use of the substance/preparation</b>	Coating for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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	2015-02-01

## 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
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. 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.</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.  
 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

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-
98-56-6	4-chloro-a,a,a-trifluorotoluene	20 - 30%	✓	
25068-38-6	epoxy resin (number average molecular weight 700 $\leq$ 1200 )	10 - 20%	✓	
13983-17-0	Wollastonite	10 - 20%	✓	
67-64-1	acetone	5 - 10%	✓	
7727-43-7	barium sulphate, natural	5 - 10%		
1317-65-3	Limestone (calcium carbonate)	5 - 10%		
7779-90-0	trizinc bis(orthophosphate)	5 - 10%	✓	
71-36-3	n-butanol	1 - 3%	✓	
13463-67-7	Titanium dioxide	1 - 3%		
1330-20-7	xylene	1 - 3%	✓	
1314-13-2	zinc oxide	1 - 3%	✓	
25068-38-6	epoxy resin (number average molecular weight $\leq$ 700)	0.3 - 1.0%	✓	
1333-86-4	carbon black	0.3 - 1.0%		
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
123-86-4	n-butyl acetate	0.1 - 0.3%	✓	
123-42-2	4-hydroxy-4-methylpentan-2-one	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 (CO<sub>2</sub>), 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. 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

Persons with a history of skin 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		
4-chloro-a,a,a-trifluorotoluene	TWA	2.5 mg/m <sup>3</sup>
acetone	TWA	500 ppm
	STEL	1,000 ppm
	STEL	2,375 mg/m <sup>3</sup>
	TWA	1,185 mg/m <sup>3</sup>
barium sulphate, natural	TWA	10 mg/m <sup>3</sup>
Limestone (calcium carbonate)	TWA	10 mg/m <sup>3</sup>
trizinc bis(orthophosphate)	TWA	10 mg/m <sup>3</sup>
n-butanol	CEIL	150 mg/m <sup>3</sup>
	CEIL	50 ppm
Titanium dioxide	TWA	10 mg/m <sup>3</sup>
xylene	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>

Chemical Name		
zinc oxide	STEL	10 mg/m3
	TWA	5 mg/m3
carbon black	TWA	3 mg/m3
	TWA	100 ppm
ethylbenzene	STEL	125 ppm
	STEL	543 mg/m3
	TWA	434 mg/m3
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m3
	TWA	713 mg/m3
4-hydroxy-4-methylpentan-2-one	TWA	50 ppm
	TWA	238 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
n-butanol	Viton (R) <sup>®</sup>	0.7 mm	480 min
	Nitrile rubber	0.33 mm	480 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	0.7 mm	480 min
n-butyl acetate	Viton (R) <sup>®</sup>	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	56 °C	
Flash point	-7 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.5 %	
Lower explosion limit	0.9 %	
Vapour pressure	18.0 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	1.57 g/cm <sup>3</sup>	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

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

epoxy resin (number average molecular weight 700 <= 1200 )	Category 2
Wollastonite	Category 3
acetone	Category 3
n-butanol	Category 2
xylene	Category 2
epoxy resin (number average molecular weight <= 700)	Category 2
ethylbenzene	Category 3
n-butyl acetate	Category 3
4-hydroxy-4-methylpentan-2-one	Category 3
toluene	Category 2

### Serious eye damage/eye irritation

epoxy resin (number average molecular weight 700 <= 1200 )	Category 2A
Wollastonite	Category 2B
acetone	Category 2A
n-butanol	Category 1
xylene	Category 2A
epoxy resin (number average molecular weight <= 700)	Category 2A
ethylbenzene	Category 2B
4-hydroxy-4-methylpentan-2-one	Category 2A
toluene	Category 2B

### Respiratory sensitisation

Not classified according to GHS criteria

### Skin sensitisation

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

**Germ cell mutagenicity**

Not classified according to GHS criteria

**Carcinogenicity**

Not classified according to GHS criteria

**Toxicity for reproduction**

4-hydroxy-4-methylpentan-2-one	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. 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**

epoxy resin (number average molecular weight 700 <= 1200 )	Category 1
trizinc bis(orthophosphate)	Category 1
Titanium dioxide	Category 3
xylene	Category 3
zinc oxide	Category 1
epoxy resin (number average molecular weight <= 700)	Category 1
ethylbenzene	Category 2
n-butyl acetate	Category 3
toluene	Category 2

**Chronic aquatic toxicity**

4-chloro-a,a,a-trifluorotoluene	Category 3
epoxy resin (number average molecular weight 700 <= 1200 )	Category 2
trizinc bis(orthophosphate)	Category 1
zinc oxide	Category 1
epoxy resin (number average molecular weight <= 700)	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 6.3A
Serious eye damage/eye irritation	Category 6.4A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
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:	2014-09-08
1250033299	

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

End of Safety Data Sheet

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

<b>Product name</b>	491-16 Ful-Poxy Primer
<b>Product code</b>	491-16
<b>Intended use of the substance/preparation</b>	Coating for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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	2015-02-01

## 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
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 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. Keep container tightly closed. 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**

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
13463-67-7	Titanium dioxide	20 - 30%		
25068-38-6	epoxy resin (number average molecular weight 700 <= 1200 )	10 - 20%	✓	
67-64-1	acetone	5 - 10%	✓	
14807-96-6	Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> )	5 - 10%		
1332-58-7	Kaolin	5 - 10%		
1317-65-3	Limestone (calcium carbonate)	5 - 10%		
110-12-3	5-methylhexan-2-one	5 - 10%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	3 - 5%	✓	
25068-38-6	epoxy resin (number average molecular weight <= 700)	3 - 5%	✓	
7779-90-0	trizinc bis(orthophosphate)	3 - 5%	✓	
95-63-6	1,2,4-trimethylbenzene	1 - 3%	✓	
71-36-3	n-butanol	1 - 3%	✓	
1330-20-7	xylene	1 - 3%	✓	
108-67-8	mesitylene	0.3 - 1.0%	✓	
21645-51-2	aluminium hydroxide	0.3 - 1.0%		
123-86-4	n-butyl acetate	0.3 - 1.0%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
628-63-7	pentyl acetate	0.3 - 1.0%	✓	
1333-86-4	carbon black	0.1 - 0.3%		
98-82-8	cumene	0.1 - 0.3%	✓	
1309-37-1	Iron oxide	0.1 - 0.3%	✓	
69-72-7	salicylic 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 (CO<sub>2</sub>), 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 <sup>3</sup>
acetone	TWA	500 ppm
	STEL	1,000 ppm
	STEL	2,375 mg/m <sup>3</sup>
	TWA	1,185 mg/m <sup>3</sup>
Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> )	TWA	2 mg/m <sup>3</sup>
Kaolin	TWA	2 mg/m <sup>3</sup>
Limestone (calcium carbonate)	TWA	10 mg/m <sup>3</sup>
5-methylhexan-2-one	TWA	50 ppm
	TWA	234 mg/m <sup>3</sup>
trizinc bis(orthophosphate)	TWA	10 mg/m <sup>3</sup>

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 Chemical Name
 

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1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m3
n-butanol	CEIL	150 mg/m3
	CEIL	50 ppm
xylene	TWA	50 ppm
	TWA	217 mg/m3
mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m3
	TWA	123 mg/m3
aluminium hydroxide	TWA	2 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
pentyl acetate	TWA	100 ppm
	TWA	532 mg/m3
carbon black	TWA	3 mg/m3
cumene	TWA	25 ppm
	STEL	75 ppm
	STEL	375 mg/m3
	TWA	125 mg/m3
Iron oxide	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
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
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: grey    Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	56 °C	
Flash point	-4 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	12.8 %	
Lower explosion limit	0.9 %	
Vapour pressure	24.7 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	1.42 g/cm <sup>3</sup>	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	301 °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**

epoxy resin (number average molecular weight 700 <= 1200 )	Category 2
acetone	Category 3
5-methylhexan-2-one	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
epoxy resin (number average molecular weight <= 700)	Category 2
1,2,4-trimethylbenzene	Category 2
n-butanol	Category 2
xylene	Category 2
mesitylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 3
pentyl acetate	Category 3
Iron oxide	Category 2
salicylic acid	Category 1C

**Serious eye damage/eye irritation**

epoxy resin (number average molecular weight 700 <= 1200 )	Category 2A
acetone	Category 2A
5-methylhexan-2-one	Category 2A
epoxy resin (number average molecular weight <= 700)	Category 2A
1,2,4-trimethylbenzene	Category 2A
n-butanol	Category 1
xylene	Category 2A
mesitylene	Category 2A
ethylbenzene	Category 2B
pentyl acetate	Category 2A
Iron oxide	Category 1
salicylic acid	Category 1

**Respiratory sensitisation**

Not classified according to GHS criteria

**Skin sensitisation**

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

**Germ cell mutagenicity**

Not classified according to GHS criteria

**Carcinogenicity**

Not classified according to GHS criteria

**Toxicity for reproduction**

salicylic acid 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
epoxy resin (number average molecular weight 700 <= 1200 )	Category 1
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
epoxy resin (number average molecular weight <= 700)	Category 1
trizinc bis(orthophosphate)	Category 1
1,2,4-trimethylbenzene	Category 2
xylene	Category 3
mesitylene	Category 2
aluminium hydroxide	Category 1
n-butyl acetate	Category 3
ethylbenzene	Category 2
cumene	Category 2
Iron oxide	Category 3
salicylic acid	Category 3

### Chronic aquatic toxicity

epoxy resin (number average molecular weight 700 <= 1200 )	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
epoxy resin (number average molecular weight <= 700)	Category 2
trizinc bis(orthophosphate)	Category 1
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
aluminium hydroxide	Category 1
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: 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
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
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	



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Version	Changes
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Revision Date:	2014-09-08
	2491-37646

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

End of Safety Data Sheet

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

<b>Product name</b>	491-17 Etch Primer
<b>Product code</b>	491-17
<b>Intended use of the substance/preparation</b>	Coating for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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 6.3B
Serious eye damage/eye irritation	Category 8.3A
Skin sensitisation	Category 6.5B
Carcinogenicity	Category 6.7A
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. May be harmful if swallowed. Causes mild skin irritation. Causes serious eye damage. May cause an allergic skin reaction. May cause cancer. Toxic to aquatic life. Toxic 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.</p>

Keep container tightly closed.  
 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

None known.

### 3. Composition/information on ingredients

#### Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
78-93-3	butanone	30 - 40%	✓	
64-17-5	ethanol	10 - 20%	✓	
108-10-1	4-methylpentan-2-one	10 - 20%	✓	
71-36-3	n-butanol	5 - 10%	✓	
13530-65-9	zinc chromates	5 - 10%	✓	
13463-67-7	Titanium dioxide	3 - 5%		
141-78-6	ethyl acetate	0.3 - 1.0%	✓	
67-56-1	methanol	0.3 - 1.0%	✓	
108-95-2	phenol	0.3 - 1.0%	✓	
21645-51-2	aluminium hydroxide	0.1 - 0.3%		
1333-86-4	carbon black	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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	445 mg/m <sup>3</sup>
ethanol	TWA	1,000 ppm
	TWA	1,880 mg/m <sup>3</sup>
4-methylpentan-2-one	TWA	50 ppm
	STEL	75 ppm
	STEL	307 mg/m <sup>3</sup>
	TWA	205 mg/m <sup>3</sup>
n-butanol	CEIL	150 mg/m <sup>3</sup>
	CEIL	50 ppm
zinc chromates	TWA	0.01 mg/m <sup>3</sup>
	TWA	10 mg/m <sup>3</sup>
ethyl acetate	TWA	200 ppm
	TWA	720 mg/m <sup>3</sup>
methanol	TWA	200 ppm
	STEL	250 ppm
	STEL	328 mg/m <sup>3</sup>
	TWA	262 mg/m <sup>3</sup>
phenol	TWA	5 ppm

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 Chemical Name
 

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	TWA	19 mg/m3
aluminium hydroxide	TWA	2 mg/m3
carbon black	TWA	3 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
butanone	Viton (R) <sup>®</sup>	0.7 mm	10 min
n-butanol	Viton (R) <sup>®</sup>	0.7 mm	480 min
	Nitrile rubber	0.33 mm	480 min
ethyl acetate	Nitrile rubber	0.33 mm	10 min
	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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	No data available.	
Freezing point	Not applicable.	
Boiling point	75 °C	
Flash point	10 °C	
Evapouration rate	Slower than Ether	
Flammability		
Upper explosion limit	21.2 %	
Lower explosion limit	1 %	
Vapour pressure	47.0 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	0.94 g/cm <sup>3</sup>	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

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

butanone	Category 5
4-methylpentan-2-one	Category 5
n-butanol	Category 4
zinc chromates	Category 3
methanol	Category 3
phenol	Category 3

**Acute dermal toxicity**

not hazardous

**Acute inhalation toxicity**

not hazardous

% of unknown composition 0 %

**Skin corrosion/irritation**

butanone	Category 3
4-methylpentan-2-one	Category 3
n-butanol	Category 2
zinc chromates	Category 1B
ethyl acetate	Category 3
phenol	Category 1

**Serious eye damage/eye irritation**

butanone	Category 2A
ethanol	Category 2A
4-methylpentan-2-one	Category 2A
n-butanol	Category 1
zinc chromates	Category 1
ethyl acetate	Category 2A
methanol	Category 2A
phenol	Category 1

**Respiratory sensitisation**

Not classified according to GHS criteria

**Skin sensitisation**

zinc chromates Category 1

**Germ cell mutagenicity**

Not classified according to GHS criteria

**Carcinogenicity**

zinc chromates Category 1

**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

zinc chromates	Category 1
Titanium dioxide	Category 3
aluminium hydroxide	Category 1

### Chronic aquatic toxicity

zinc chromates	Category 1
aluminium hydroxide	Category 1

% 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: 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 [zinc chromates]  
 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 oral toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3B
Serious eye damage/eye irritation	Category 8.3A
Skin sensitisation	Category 6.5B
Carcinogenicity	Category 6.7A
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: 2015-01-29  
 B12771374

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

End of Safety Data Sheet

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

<b>Product name</b>	491-35 Ful-Poxy HS Epoxy Primer
<b>Product code</b>	491-35
<b>reference number</b>	491-35
<b>Intended use of the substance/preparation</b> Coating for professional use	
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency telephone number	NZ Poisons Information Centre Ph: 0800 764 766 24-hour Emergency Number: (64)-9526 2501
Importer	ULTRA PAINTS LTD.
Street/Box	994 Great South Road, Penrose, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 525 0426
Date of preparation	2013-08-28

## 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
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
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

Highly flammable liquid and vapour.  
Causes skin irritation.  
Causes serious eye damage.  
May cause an allergic skin reaction.  
Suspected of damaging fertility or the unborn child.  
Causes damage to organs.  
May cause damage to organs through prolonged or repeated exposure.  
Toxic to aquatic life.  
Toxic to aquatic life with long lasting effects.

Precautionary statements

Contaminated work clothing should not be allowed out of the workplace.  
Keep container tightly closed.



Avoid release to the environment.  
Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
Do not eat, drink or smoke when using this product.  
Ground/bond container and receiving equipment.  
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
Obtain special instructions before use.  
Take precautionary measures against static discharge.  
Use explosion-proof electrical/ventilating/lighting equipment.  
Use only non-sparking tools.  
Wash hands after handling.  
Wear protective gloves/ eye protection/ face protection.  
Collect spillage.  
IF exposed: 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.  
IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
If skin irritation or rash occurs: Get medical advice/ attention.  
Immediately call a POISON CENTER or doctor/ physician.  
Specific treatment (see supplemental first aid instructions on this label).  
Store in a well-ventilated place. Keep cool.  
Store locked up.  
Dispose of contents/container in accordance with local regulation.

**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
13463-67-7	Titanium dioxide	20 - 30%	✓	
67-64-1	acetone	5 - 10%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	5 - 10%	✓	
25068-38-6	epoxy resin (number average molecular weight 700 <= 1200 )	5 - 10%	✓	
25068-38-6	epoxy resin (number average molecular weight <= 700)	5 - 10%	✓	
14807-96-6	Talc (Mg3H2(SiO3)4)	5 - 10%		
1332-58-7	Kaolin	5 - 10%		
1317-65-3	Limestone (calcium carbonate)	5 - 10%		
95-63-6	1,2,4-trimethylbenzene	3 - 5%	✓	
110-12-3	5-methylhexan-2-one	3 - 5%	✓	
71-36-3	n-butanol	3 - 5%	✓	
7779-90-0	trizinc bis(orthophosphate)	3 - 5%	✓	
21645-51-2	aluminium hydroxide	1 - 3%		
1330-20-7	xylene	1 - 3%	✓	
108-67-8	mesitylene	0.3 - 1.0%	✓	
123-86-4	n-butyl acetate	0.3 - 1.0%	✓	





CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
27138-31-4	Oxydipropyl dibenzoate	0.3 - 1.0%	✓	
628-63-7	pentyl acetate	0.3 - 1.0%	✓	
98-82-8	cumene	0.1 - 0.3%	✓	
1309-37-1	Iron oxide	0.1 - 0.3%	✓	
546-93-0	magnesium carbonate	0.1 - 0.3%	✓	
69-72-7	salicylic acid	0.1 - 0.3%	✓	
13463-67-7	Titanium dioxide	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 (CO<sub>2</sub>), 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 <sup>3</sup>
acetone	TWA	500 ppm
	STEL	1,000 ppm
	STEL	2,375 mg/m <sup>3</sup>
	TWA	1,185 mg/m <sup>3</sup>
Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> )	TWA	2 mg/m <sup>3</sup>



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Chemical Name

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Kaolin	TWA	2 mg/m3
Limestone (calcium carbonate)	TWA	10 mg/m3
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m3
5-methylhexan-2-one	TWA	50 ppm
	TWA	234 mg/m3
n-butanol	CEIL	150 mg/m3
	CEIL	50 ppm
trizinc bis(orthophosphate)	TWA	10 mg/m3
aluminium hydroxide	TWA	2 mg/m3
xylene	TWA	50 ppm
	TWA	217 mg/m3
mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m3
	TWA	123 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
pentyl acetate	TWA	100 ppm
	TWA	532 mg/m3
cumene	TWA	25 ppm
	STEL	75 ppm
	STEL	375 mg/m3
	TWA	125 mg/m3
Iron oxide	TWA	5 mg/m3
magnesium carbonate	TWA	10 mg/m3
Titanium dioxide	TWA	10 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-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
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	56 °C
Flash point	10 °C
Evaporation rate	Slower than Ether
Flammability	
Upper explosion limit	12.8 %
Lower explosion limit	0.9 %



Vapour pressure	22.3 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	1.44 $g/cm^3$	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	301 °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
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
epoxy resin (number average molecular weight 700 <= 1200 )	Category 2
epoxy resin (number average molecular weight <= 700)	Category 2
1,2,4-trimethylbenzene	Category 2
5-methylhexan-2-one	Category 3
n-butanol	Category 2
xylene	Category 2
mesitylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 3
pentyl acetate	Category 3
Iron oxide	Category 2
salicylic acid	Category 1C

**Serious eye damage/eye irritation**

acetone	Category 2
epoxy resin (number average molecular weight 700 <= 1200 )	Category 2
epoxy resin (number average molecular weight <= 700)	Category 2
1,2,4-trimethylbenzene	Category 2
5-methylhexan-2-one	Category 2A
n-butanol	Category 1
xylene	Category 2
mesitylene	Category 2A
ethylbenzene	Category 2B
pentyl acetate	Category 2A
Iron oxide	Category 1
magnesium carbonate	Category 2A
salicylic acid	Category 1

**Respiratory sensitisation**

Not classified according to GHS criteria

**Skin sensitisation**

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

**Germ cell mutagenicity**

Not classified according to GHS criteria

**Carcinogenicity**

Not classified according to GHS criteria

**Toxicity for reproduction**

Oxydipropyl dibenzoate	Category 2
salicylic acid	Category 2

**Target Organ Systemic Toxicant - Single exposure****• Skin Absorption**

Liver salicylic acid

**• 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 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**

Titanium dioxide	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
epoxy resin (number average molecular weight 700 <= 1200 )	Category 1
epoxy resin (number average molecular weight <= 700)	Category 1
1,2,4-trimethylbenzene	Category 2
trizinc bis(orthophosphate)	Category 1
xylene	Category 3
mesitylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 2
Oxydipropyl dibenzoate	Category 2
cumene	Category 2
Iron oxide	Category 3
salicylic acid	Category 3
Titanium dioxide	Category 3

**Chronic aquatic toxicity**

solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
epoxy resin (number average molecular weight 700 <= 1200 )	Category 2
epoxy resin (number average molecular weight <= 700)	Category 2
1,2,4-trimethylbenzene	Category 2
trizinc bis(orthophosphate)	Category 1
mesitylene	Category 2
Oxydipropyl dibenzoate	Category 2
pentyl acetate	Category 4
cumene	Category 2

% of unknown composition 5.5%

**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: 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 8.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Single exposure	Category 6.9B
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
3.0	2, 3, 5, 8, 9, 11, 12, 15, 16

Revision Date: 2013-08-26  
B12774457

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

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

<b>Product name</b>	FUL-THANE FISHEYE ELIMINATOR
<b>Product code</b>	495-01
<b>reference number</b>	495-01
<b>Intended use of the substance/preparation</b>	Intermediate
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency telephone number	NZ Poisons Information Centre Ph: 0800 764 766 24-hour Emergency Number: (64)-9526 2501
Importer	Resene Paints Ltd.
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2013-08-28

## 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
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. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Keep container tightly closed. Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. Avoid release to the environment. Ground/bond container and receiving equipment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Take precautionary measures against static discharge. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Use only outdoors or in a well-ventilated area. Wear protective gloves/ eye protection/ face protection. Call a POISON CENTRE or doctor/physician if you feel unwell. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.



Store in a well-ventilated place. Keep container tightly closed.  
Store in a well-ventilated place. Keep cool.  
Store locked up.  
Dispose of contents/container in accordance with local regulation.

**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	90 - 100%	✓	
70131-67-8	Siloxanes and Silicones, di-Me, hydroxy-terminated	1 - 3%	✓	
556-67-2	octamethylcyclotetrasiloxane	1 - 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. 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 (CO<sub>2</sub>), 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 <sup>3</sup>



Chemical Name

TWA 713 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) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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	126 °C
Flash point	10 °C
Evapouration rate	Slower than Ether
Flammability	
Upper explosion limit	7.6 %
Lower explosion limit	1.7 %
Vapour pressure	12.2 hPa
Solubility(ies)	partly miscible
Vapour density	no data available



Density	0.88 g/cm <sup>3</sup>	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	370 °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 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**

octamethylcyclotetrasiloxane 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

% of unknown composition 1.2%

**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: 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  
Toxicity for reproduction Category 6.8B  
Flammable liquids Category 3.1B  
Acute aquatic toxicity Category 9.1C

## 16. Other information

Revision Note

Version	Changes
1.0	

Revision Date: 2013-08-26  
1250001695





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

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

<b>Product name</b>	496-00 Nason Select Clear
<b>Product code</b>	496-00
<b>reference number</b>	496-00
<b>Intended use of the substance/preparation</b> Coating for professional use	
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency telephone number	NZ Poisons Information Centre Ph: 0800 764 766 24-hour Emergency Number: (64)-9526 2501
Importer	ULTRA PAINTS LTD.
Street/Box	994 Great South Road, Penrose, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 525 0426
Date of preparation	2013-08-28

## 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 - Single exposure	Category 6.9A
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. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Causes damage to organs. May cause damage to organs through prolonged or repeated exposure. Harmful to aquatic life.
Precautionary statements	Contaminated work clothing should not be allowed out of the workplace. Keep container tightly closed. Avoid release to the environment. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.



Do not eat, drink or smoke when using this product.  
Ground/bond container and receiving equipment.  
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
Obtain special instructions before use.  
Take precautionary measures against static discharge.  
Use explosion-proof electrical/ventilating/lighting equipment.  
Use only non-sparking tools.  
Wash hands after handling.  
Wear protective gloves/ eye protection/ face protection.  
IF exposed: Call a POISON CENTER or doctor/ physician.  
If eye irritation persists: 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 ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
If skin irritation or rash occurs: Get medical advice/ attention.  
Specific treatment (see supplemental first aid instructions on this label).  
Store in a well-ventilated place. Keep cool.  
Store locked up.  
Dispose of contents/container in accordance with local regulation.

**Other hazards which do not result in classification**

Contains: 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	20 - 30%	✓	
123-86-4	n-butyl acetate	5 - 10%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
78-93-3	butanone	3 - 5%	✓	
110-12-3	5-methylhexan-2-one	3 - 5%	✓	
141-78-6	ethyl acetate	0.3 - 1.0%	✓	
97-86-9	isobutyl methacrylate	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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	1,185 mg/m <sup>3</sup>
xylene	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m <sup>3</sup>
ethylbenzene	TWA	713 mg/m <sup>3</sup>
	TWA	100 ppm
	STEL	125 ppm
butanone	STEL	543 mg/m <sup>3</sup>
	TWA	434 mg/m <sup>3</sup>
	TWA	150 ppm
5-methylhexan-2-one	STEL	300 ppm
	STEL	890 mg/m <sup>3</sup>
	TWA	445 mg/m <sup>3</sup>
ethyl acetate	TWA	50 ppm
	TWA	234 mg/m <sup>3</sup>
	TWA	200 ppm
	TWA	720 mg/m <sup>3</sup>



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
butanone	Viton (R) ®	0.7 mm	10 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

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pH	No data available.	
Freezing point	Not applicable.	
Boiling point	56 °C	
Flash point	-10 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	12.8 %	
Lower explosion limit	1 %	
Vapour pressure	67.0 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	0.91 g/cm <sup>3</sup>	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	370 °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**

acetone	Category 3
xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
butanone	Category 3
5-methylhexan-2-one	Category 3
ethyl acetate	Category 3
isobutyl methacrylate	Category 2
toluene	Category 2

**Serious eye damage/eye irritation**

acetone	Category 2
xylene	Category 2
ethylbenzene	Category 2B
butanone	Category 2
5-methylhexan-2-one	Category 2A
ethyl acetate	Category 2
isobutyl methacrylate	Category 2
toluene	Category 2B

**Respiratory sensitisation**

Not classified according to GHS criteria

**Skin sensitisation**

isobutyl methacrylate	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
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**Target Organ Systemic Toxicant - Single exposure**• **Skin Absorption****Narcotic effects** toluene• **Inhalation****reproductive organs** ethyl acetate**Target Organ Systemic Toxicant - Repeated exposure**• **Skin Absorption****Body weight effects** ethyl acetate• **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
isobutyl methacrylate	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: 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 - Single exposure	Category 6.9A
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	2, 4, 5, 8, 9, 11, 12, 13, 14, 15, 16

Revision Date: 2013-08-26  
B12823789

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

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

<b>Product name</b>	497-11 Select Overall Clearcoat
<b>Product code</b>	497-11
<b>Intended use of the substance/preparation</b>	Coating for professional use
<b>Supplier</b>	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
<b>Emergency Information</b>	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
<b>Importer</b>	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	2015-02-01

## 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	30 - 40%	✓	
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%	✓	
108-67-8	mesitylene	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%	✓	
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 (CO<sub>2</sub>), 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 <sup>3</sup>
	TWA	713 mg/m <sup>3</sup>
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m <sup>3</sup>
xylene	TWA	50 ppm
	TWA	217 mg/m <sup>3</sup>
mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m <sup>3</sup>
	TWA	123 mg/m <sup>3</sup>
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m <sup>3</sup>
	TWA	434 mg/m <sup>3</sup>
cumene	TWA	25 ppm
	STEL	75 ppm
	STEL	375 mg/m <sup>3</sup>
	TWA	125 mg/m <sup>3</sup>

### 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) <sup>®</sup>	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) <sup>®</sup>	0.7 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) <sup>®</sup>	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<sup>®</sup> glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. 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	6.3 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	0.97 g/cm <sup>3</sup>	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	29 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

**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**

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

**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
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 6.3A
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: 2015-01-29  
B12752948

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End of Safety Data Sheet