

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

Product name	Caterpillar Yellow Super-Flow QD Enamel RFU Slow
Product code	36375525
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

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

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Skin sensitisation	Category 6.5B
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	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. Suspected of 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.
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: 2-butanone oxime. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
1330-20-7	xylene	20 - 30%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
51274-00-1	Light yellow lemon yellow oxide pigment	5 - 10%		
13463-67-7	Titanium dioxide	5 - 10%		
64742-89-8	naphtha (petroleum), hydrotreated light (<0,1% benzene)	3 - 5%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	1 - 3%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	1 - 3%	✓	
123-86-4	n-butyl acetate	1 - 3%	✓	
64742-48-9	Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	1 - 3%	✓	
64742-88-7	solvent naphtha (petroleum), medium aliph.	1 - 3%	✓	
71-36-3	n-butanol	1 - 3%	✓	
110-54-3	n-hexane	1 - 3%	✓	
108-65-6	2-methoxy-1-methylethyl acetate	1 - 3%	✓	
108-88-3	toluene	1 - 3%	✓	
95-63-6	1,2,4-trimethylbenzene	0.3 - 1.0%	✓	
78-83-1	iso-butanol	0.3 - 1.0%	✓	
96-29-7	2-butanone oxime	0.3 - 1.0%	✓	
108-67-8	mesitylene	0.1 - 0.3%	✓	
21645-51-2	aluminium hydroxide	0.1 - 0.3%		
7631-86-9	amorphous Silica	0.1 - 0.3%		

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
1309-37-1	Iron oxide	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 (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

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

Special Protective Equipment and Fire Fighting Procedures

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

6. Accidental release measures

Personal precautions

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

Environmental precautions

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

Methods for cleaning up

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

7. Handling and storage

Handling

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

Safe handling advice

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

Storage**Suitable storage conditions**

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

Suitable container and packaging materials for safe storage

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

8. Exposure controls/personal protection

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

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

Chemical Name		
xylene	TWA	50 ppm
		217 mg/m3
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m3
	TWA	434 mg/m3
Light yellow lemon yellow oxide pigment	TWA	1 mg/m3

Chemical Name		
Titanium dioxide	TWA	10 mg/m3
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m3
	TWA	713 mg/m3
n-butanol	CEIL	150 mg/m3
	CEIL	50 ppm
n-hexane	TWA	20 ppm
	TWA	72 mg/m3
toluene	TWA	50 ppm
	TWA	188 mg/m3
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m3
iso-butanol	TWA	50 ppm
	TWA	152 mg/m3
mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m3
	TWA	123 mg/m3
aluminium hydroxide	TWA	2 mg/m3
amorphous Silica	TWA	10 mg/m3
Iron oxide	TWA	5 mg/m3
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
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) ®	0.7 mm	30 min
	Viton (R) ®	0.7 mm	10 min
n-butyl acetate	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
solvent naphtha (petroleum), medium aliph.	Nitrile rubber	0.33 mm	480 min
	Viton (R) ®	0.7 mm	480 min
n-butanol	Viton (R) ®	0.7 mm	480 min
	Nitrile rubber	0.33 mm	480 min

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

Skin and body protection

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

Hygiene measures

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

9. Physical and chemical properties

Appearance

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

pH	not applicable
Freezing point	Not applicable.
Boiling point	66 °C
Flash point	26 °C
Evaporation rate	Slower than Ether
Flammability	
Upper explosion limit	7 %
Lower explosion limit	0.9 %
Vapour pressure	7.9 hPa
Solubility(ies)	moderate

Vapour density	no data available	
Density	1.05 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	231 °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
Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	Category 4
n-butanol	Category 5
toluene	Category 5
1,2,4-trimethylbenzene	Category 4
2-butanone oxime	Category 4

% of unknown composition 17.3 %

Skin corrosion/irritation

xylene	Category 2
ethylbenzene	Category 3
naphtha (petroleum), hydrotreated light (<0,1% benzene)	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
n-butyl acetate	Category 3
Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	Category 3
solvent naphtha (petroleum), medium aliph.	Category 3
n-butanol	Category 2
n-hexane	Category 2
toluene	Category 2
1,2,4-trimethylbenzene	Category 2
iso-butanol	Category 2
2-butanone oxime	Category 3
mesitylene	Category 3
Iron oxide	Category 2

Serious eye damage/eye irritation

xylene	Category 2A
ethylbenzene	Category 2B
n-butanol	Category 1
n-hexane	Category 2B
2-methoxy-1-methylethyl acetate	Category 2A
toluene	Category 2B
1,2,4-trimethylbenzene	Category 2A
iso-butanol	Category 1
2-butanone oxime	Category 1
mesitylene	Category 2A
Iron oxide	Category 1

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

2-butanone oxime Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

2-butanone oxime Category 2
Naphthalene Category 2

Toxicity for reproduction

solvent naphtha (petroleum), medium aliph.	Category 2
n-hexane	Category 2
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**

Testes n-hexane, solvent naphtha (petroleum), medium aliph.

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

xylene	Category 3
ethylbenzene	Category 2
Titanium dioxide	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
n-butyl acetate	Category 3
n-hexane	Category 2
toluene	Category 2
1,2,4-trimethylbenzene	Category 2
2-butanone oxime	Category 3
mesitylene	Category 2
aluminium hydroxide	Category 1
Iron oxide	Category 3
Naphthalene	Category 1

Chronic aquatic toxicity

naphtha (petroleum), hydrotreated light (<0,1% benzene)	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
solvent naphtha (petroleum), medium aliph.	Category 2
n-hexane	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
aluminium hydroxide	Category 1
Naphthalene	Category 1

% of unknown composition 17.3%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

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

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Matters needing attention for transportation

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

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002669
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Skin sensitisation	Category 6.5B
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Flammable liquids	Category 3.1C
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
B12752265

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

End of Safety Data Sheet

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

Product name	Caterpillar Yellow QD Enamel RFU
Product code	38375519
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

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

HSNO Classification

Flammable liquids	Category 3.1B
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

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

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	<p>Highly flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. 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.</p>

Precautionary statements Avoid release to the environment.
 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
 Keep container tightly closed.
 Obtain special instructions before use.
 Wear protective gloves/protective clothing/eye protection/face protection.
 IF exposed or concerned: Get medical advice/ attention.
 If 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-
51274-00-1	Light yellow lemon yellow oxide pigment	10 - 20%		
64742-89-8	naphtha (petroleum), hydrotreated light (<0,1% benzene)	10 - 20%	✓	
1330-20-7	xylene	10 - 20%	✓	
110-54-3	n-hexane	5 - 10%	✓	
108-88-3	toluene	5 - 10%	✓	
100-41-4	ethylbenzene	3 - 5%	✓	
64742-88-7	solvent naphtha (petroleum), medium aliph.	3 - 5%	✓	
64742-82-1	naphtha (petroleum), hydrodesulfurized heavy (<0,1% benzene)	1 - 3%	✓	
13463-67-7	Titanium dioxide	1 - 3%		
78-83-1	iso-butanol	0.3 - 1.0%	✓	
96-29-7	2-butanone oxime	0.3 - 1.0%	✓	
71-36-3	n-butanol	0.3 - 1.0%	✓	
95-63-6	1,2,4-trimethylbenzene	0.1 - 0.3%	✓	

Non-regulated ingredients 30 - 40%

4. First aid measures

Eye contact

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

Skin contact

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

Inhalation

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

Ingestion

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

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

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

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

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

Notes to physician

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

5. Firefighting measures

Suitable extinguishing media

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

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

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

Special Protective Equipment and Fire Fighting Procedures

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

6. Accidental release measures

Personal precautions

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

Environmental precautions

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

Methods for cleaning up

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

7. Handling and storage

Handling

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

Safe handling advice

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

Storage

Suitable storage conditions

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

Suitable container and packaging materials for safe storage

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

8. Exposure controls/personal protection

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

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
Light yellow lemon yellow oxide pigment	TWA	1 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
n-hexane	TWA	20 ppm
	TWA	72 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
Titanium dioxide	TWA	434 mg/m ³
	TWA	10 mg/m ³
iso-butanol	TWA	50 ppm
	TWA	152 mg/m ³
n-butanol	CEIL	150 mg/m ³
	CEIL	50 ppm
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m ³

Engineering measures

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

Protective equipment

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

Respiratory protection

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

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

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

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
solvent naphtha (petroleum), medium aliph.	Viton (R) ®	0.7 mm	480 min
	Nitrile rubber	0.33 mm	480 min
naphtha (petroleum), hydrodesulfurized heavy (<0,1% benzene)	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butanol	Viton (R) ®	0.7 mm	480 min
	Nitrile rubber	0.33 mm	480 min

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

Skin and body protection

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

Hygiene measures

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

9. Physical and chemical properties

Appearance

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

pH	not applicable
Freezing point	Not applicable.
Boiling point	66 °C

Flash point	7 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	7.6 %	
Lower explosion limit	0.9 %	
Vapour pressure	20.7 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	0.99 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	201 °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
toluene	Category 5
ethylbenzene	Category 4
2-butanone oxime	Category 4
n-butanol	Category 5
1,2,4-trimethylbenzene	Category 4

% of unknown composition 25.7 %

Skin corrosion/irritation

naphtha (petroleum), hydrotreated light (<0,1% benzene)	Category 2
xylene	Category 2
n-hexane	Category 2
toluene	Category 2
ethylbenzene	Category 3
solvent naphtha (petroleum), medium aliph.	Category 3
naphtha (petroleum), hydrodesulfurized heavy (<0,1% benzene)	Category 3
iso-butanol	Category 2
2-butanone oxime	Category 3
n-butanol	Category 2
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

2-butanone oxime Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

2-butanone oxime Category 2

Toxicity for reproduction

n-hexane	Category 2
toluene	Category 2
solvent naphtha (petroleum), medium aliph.	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

- **Skin Absorption**

Testes n-hexane, solvent naphtha (petroleum), medium aliph.

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

xylene	Category 3
n-hexane	Category 2
toluene	Category 2
ethylbenzene	Category 2
naphtha (petroleum), hydrodesulfurized heavy (<0,1% benzene)	Category 2
Titanium dioxide	Category 3
2-butanone oxime	Category 3
1,2,4-trimethylbenzene	Category 2

Chronic aquatic toxicity

naphtha (petroleum), hydrotreated light (<0,1% benzene)	Category 2
n-hexane	Category 2
solvent naphtha (petroleum), medium aliph.	Category 2
naphtha (petroleum), hydrodesulfurized heavy (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2

% 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
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
 B12783817



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

End of Safety Data Sheet

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

Product name	Caterpillar Yellow Hi-Flow QD Enamel RFU Slow
Product code	38375520
Intended use of the substance/preparation	
Coating for professional use	
Supplier	
Street address	Axalta Coating Systems Australia Pty Limited 15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	
Street/Box	Resene Automotive & Light Industrial 4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

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

HSNO Classification

Flammable liquids	Category 3.1B
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

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

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	<p>Highly flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. 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.</p>

Precautionary statements Avoid release to the environment.
 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
 Keep container tightly closed.
 Obtain special instructions before use.
 Wear protective gloves/protective clothing/eye protection/face protection.
 IF exposed or concerned: Get medical advice/ attention.
 If 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-
51274-00-1	Light yellow lemon yellow oxide pigment	10 - 20%		
64742-89-8	naphtha (petroleum), hydrotreated light (<0,1% benzene)	10 - 20%	✓	
1330-20-7	xylene	10 - 20%	✓	
110-54-3	n-hexane	5 - 10%	✓	
100-41-4	ethylbenzene	3 - 5%	✓	
64742-88-7	solvent naphtha (petroleum), medium aliph.	3 - 5%	✓	
108-88-3	toluene	3 - 5%	✓	
13463-67-7	Titanium dioxide	1 - 3%		
95-63-6	1,2,4-trimethylbenzene	0.3 - 1.0%	✓	
123-86-4	n-butyl acetate	0.3 - 1.0%	✓	
78-83-1	iso-butanol	0.3 - 1.0%	✓	
96-29-7	2-butanone oxime	0.3 - 1.0%	✓	
71-36-3	n-butanol	0.3 - 1.0%	✓	
108-65-6	2-methoxy-1-methylethyl acetate	0.3 - 1.0%	✓	
108-67-8	mesitylene	0.1 - 0.3%	✓	

Non-regulated ingredients 30 - 40%

4. First aid measures

Eye contact

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

Skin contact

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

Inhalation

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

Ingestion

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

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

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

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

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

Notes to physician

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

5. Firefighting measures

Suitable extinguishing media

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

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

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

Special Protective Equipment and Fire Fighting Procedures

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

6. Accidental release measures

Personal precautions

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

Environmental precautions

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

Methods for cleaning up

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

7. Handling and storage

Handling

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

Safe handling advice

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

Storage

Suitable storage conditions

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

Suitable container and packaging materials for safe storage

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

8. Exposure controls/personal protection

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

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
Light yellow lemon yellow oxide pigment	TWA	1 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
n-hexane	TWA	20 ppm
	TWA	72 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
toluene	TWA	434 mg/m ³
	TWA	50 ppm
Titanium dioxide	TWA	188 mg/m ³
	TWA	10 mg/m ³
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³

 Chemical Name

iso-butanol	TWA	50 ppm
	TWA	152 mg/m ³
n-butanol	CEIL	150 mg/m ³
	CEIL	50 ppm
mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m ³
	TWA	123 mg/m ³

Engineering measures

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

Protective equipment

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

Respiratory protection

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

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

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

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min
solvent naphtha (petroleum), medium aliph.	Viton (R) [®]	0.7 mm	480 min
	Nitrile rubber	0.33 mm	480 min
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
n-butanol	Viton (R) [®]	0.7 mm	480 min
	Nitrile rubber	0.33 mm	480 min

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

Skin and body protection

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

Hygiene measures

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

9. Physical and chemical properties**Appearance**

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

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	66 °C	
Flash point	7 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	Not applicable. %	
Lower explosion limit	0.9 %	
Vapour pressure	18.3 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	1 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	231 °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
toluene	Category 5
1,2,4-trimethylbenzene	Category 4
2-butanone oxime	Category 4
n-butanol	Category 5

% of unknown composition 27.1 %

Skin corrosion/irritation

naphtha (petroleum), hydrotreated light (<0,1% benzene)	Category 2
xylene	Category 2
n-hexane	Category 2
ethylbenzene	Category 3
solvent naphtha (petroleum), medium aliph.	Category 3
toluene	Category 2
1,2,4-trimethylbenzene	Category 2
n-butyl acetate	Category 3
iso-butanol	Category 2
2-butanone oxime	Category 3
n-butanol	Category 2
mesitylene	Category 3

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

2-butanone oxime Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

2-butanone oxime Category 2

Toxicity for reproduction

n-hexane	Category 2
solvent naphtha (petroleum), medium aliph.	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

- **Skin Absorption**

Testes n-hexane, solvent naphtha (petroleum), medium aliph.**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

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

Chronic aquatic toxicity

naphtha (petroleum), hydrotreated light (<0,1% benzene)	Category 2
n-hexane	Category 2
solvent naphtha (petroleum), medium aliph.	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2

% of unknown composition 27.1%

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
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
2.0	3, 8

Revision Date: 2015-01-29
B12783821

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

End of Safety Data Sheet

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

Product name	Caterpillar Yellow Hi-Flow HD/QD RFU
Product code	38375527
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

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

HSNO Classification

Flammable liquids	Category 3.1B
Skin corrosion/irritation	Category 6.3B
Skin sensitisation	Category 6.5B
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: 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	20 - 30%	✓	
64742-82-1	naphtha (petroleum), hydrodesulfurized heavy (<0,1% benzene)	5 - 10%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	5 - 10%	✓	
141-78-6	ethyl acetate	3 - 5%	✓	
51274-00-1	Light yellow lemon yellow oxide pigment	3 - 5%		
78-93-3	butanone	3 - 5%	✓	
108-88-3	toluene	3 - 5%	✓	
1330-20-7	xylene	3 - 5%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	1 - 3%	✓	
763-69-9	ethyl 3-ethoxypropionate	1 - 3%	✓	
112-07-2	2-butoxyethyl acetate	1 - 3%	✓	
13463-67-7	Titanium dioxide	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%	✓	
122-99-6	2-phenoxyethanol	0.1 - 0.3%	✓	
7631-86-9	amorphous Silica	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%	✓	
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 (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

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

Special Protective Equipment and Fire Fighting Procedures

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

6. Accidental release measures

Personal precautions

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

Environmental precautions

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

Methods for cleaning up

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

7. Handling and storage

Handling

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

Safe handling advice

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

Storage

Suitable storage conditions

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

Suitable container and packaging materials for safe storage

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

8. Exposure controls/personal protection

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

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
ethyl acetate	TWA	713 mg/m ³
	TWA	200 ppm
Light yellow lemon yellow oxide pigment	TWA	720 mg/m ³
	TWA	1 mg/m ³
	TWA	150 ppm
butanone	STEL	300 ppm
	STEL	890 mg/m ³
	TWA	445 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³

Chemical Name		
Titanium dioxide	TWA	10 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
amorphous Silica	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
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
naphtha (petroleum), hydrodesulfurized heavy (<0,1% benzene)	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
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min

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

Skin and body protection

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

Hygiene measures

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

9. Physical and chemical properties

Appearance

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

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	116 °C	
Flash point	7 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.7 %	
Vapour pressure	17.1 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.97 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	201 °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
naphtha (petroleum), hydrodesulfurized heavy (<0,1% benzene)	Category 3
low boiling point naphtha (<0,1% benzene)	Category 2
ethyl acetate	Category 3
butanone	Category 3
toluene	Category 2
xylene	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
ethyl 3-ethoxypropionate	Category 3
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 3
mesitylene	Category 3
2-butanone oxime	Category 3

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 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
naphtha (petroleum), hydrodesulfurized heavy (<0,1% benzene)	Category 2
toluene	Category 2
xylene	Category 3
ethyl 3-ethoxypropionate	Category 3

2-butoxyethyl acetate	Category 3
Titanium dioxide	Category 3
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 2
mesitylene	Category 2
2-butanone oxime	Category 3
Naphthalene	Category 1

Chronic aquatic toxicity

naphtha (petroleum), hydrodesulfurized heavy (<0,1% benzene)	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
Naphthalene	Category 1

% of unknown composition 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
B12900370

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

End of Safety Data Sheet

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

Product name	Caterpillar Yellow HD/QD Enamel RFU
Product code	38375528
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


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

HSNO Classification

Flammable liquids	Category 3.1B
Skin corrosion/irritation	Category 6.3B
Skin sensitisation	Category 6.5B
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	Haz- ardous
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%	✓	
763-69-9	ethyl 3-ethoxypropionate	3 - 5%	✓	
141-78-6	ethyl acetate	3 - 5%	✓	
51274-00-1	Light yellow lemon yellow oxide pigment	3 - 5%		
108-88-3	toluene	3 - 5%	✓	
64742-94-5	Solvent naphtha (petroleum), heavy arom.	1 - 3%	✓	
112-07-2	2-butoxyethyl acetate	1 - 3%	✓	
13463-67-7	Titanium dioxide	1 - 3%		
1330-20-7	xylene	1 - 3%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
122-99-6	2-phenoxyethanol	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%	✓	
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 (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

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

Special Protective Equipment and Fire Fighting Procedures

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

6. Accidental release measures

Personal precautions

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

Environmental precautions

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

Methods for cleaning up

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

7. Handling and storage

Handling

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

Safe handling advice

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

Storage

Suitable storage conditions

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

Suitable container and packaging materials for safe storage

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

8. Exposure controls/personal protection

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

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
butanone	TWA	713 mg/m ³
	TWA	150 ppm
	STEL	300 ppm
	STEL	890 mg/m ³
ethyl acetate	TWA	445 mg/m ³
	TWA	200 ppm
Light yellow lemon yellow oxide pigment	TWA	720 mg/m ³
	TWA	1 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³
Titanium dioxide	TWA	10 mg/m ³
	TWA	50 ppm
xylene	TWA	217 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
ethylbenzene	TWA	543 mg/m ³
	STEL	

 Chemical Name

	TWA	434 mg/m3
Manganese neodecanoate	TWA	1 mg/m3
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

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

Skin and body protection

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

Hygiene measures

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

9. Physical and chemical properties**Appearance**

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

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	78 °C	
Flash point	7 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	11 %	
Lower explosion limit	0.9 %	
Vapour pressure	16.0 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.99 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	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
butanone	Category 3
low boiling point naphtha (<0,1% benzene)	Category 2
ethyl 3-ethoxypropionate	Category 3
ethyl acetate	Category 3
toluene	Category 2
Solvent naphtha (petroleum), heavy arom.	Category 2
xylene	Category 2
ethylbenzene	Category 3
2-butanone oxime	Category 3

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

Aspiration toxicity

Not classified according to GHS criteria

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

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, 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
ethyl 3-ethoxypropionate	Category 3
toluene	Category 2
2-butoxyethyl acetate	Category 3
Titanium dioxide	Category 3
xylene	Category 3
ethylbenzene	Category 2
2-butanone oxime	Category 3
Naphthalene	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: 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

16. Other information

Revision Note

Version	Changes
1.0	

Revision Date: 2015-01-29
B12900388

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



End of Safety Data Sheet

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

Product name	Caterpillar Yellow 1K Etch Primer RFU
Product code	71975522
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


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

HSNO Classification

Flammable liquids	Category 3.1B
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 8.3A
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 skin irritation. Causes serious eye damage. May cause an allergic skin reaction. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.</p>
Precautionary statements	<p>Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p>

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

Other hazards which do not result in classification

Contains epoxy constituents. See information supplied by the manufacturer.

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%	✓	
108-65-6	2-methoxy-1-methylethyl acetate	10 - 20%	✓	
1330-20-7	xylene	10 - 20%	✓	
25068-38-6	epoxy resin (number average molecular weight ≤ 700)	5 - 10%	✓	
51274-00-1	Light yellow lemon yellow oxide pigment	5 - 10%		
71-23-8	propan-1-ol	5 - 10%	✓	
107-98-2	1-methoxy-2-propanol	5 - 10%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	3 - 5%	✓	
100-41-4	ethylbenzene	3 - 5%	✓	
95-63-6	1,2,4-trimethylbenzene	1 - 3%	✓	
763-69-9	ethyl 3-ethoxypropionate	1 - 3%	✓	
14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	1 - 3%		
13463-67-7	Titanium dioxide	1 - 3%		
108-67-8	mesitylene	0.3 - 1.0%	✓	
7664-38-2	phosphoric acid	0.3 - 1.0%	✓	
7631-86-9	amorphous Silica	0.1 - 0.3%		
98-82-8	cumene	0.1 - 0.3%	✓	
71-36-3	n-butanol	0.1 - 0.3%	✓	

Non-regulated ingredients 5 - 10%

4. First aid measures

Eye contact

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

Skin contact

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

Inhalation

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

Ingestion

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

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

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

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

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

Notes to physician

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

5. Firefighting measures

Suitable extinguishing media

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

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

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

Special Protective Equipment and Fire Fighting Procedures

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

6. Accidental release measures

Personal precautions

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

Environmental precautions

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

Methods for cleaning up

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

7. Handling and storage

Handling

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

Safe handling advice

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

Storage

Suitable storage conditions

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

Suitable container and packaging materials for safe storage

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

8. Exposure controls/personal protection

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

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
xylene	TWA	713 mg/m ³
	TWA	50 ppm
Light yellow lemon yellow oxide pigment	TWA	217 mg/m ³
	TWA	1 mg/m ³
	TWA	200 ppm
propan-1-ol	STEL	250 ppm
	STEL	614 mg/m ³
	TWA	492 mg/m ³
1-methoxy-2-propanol	TWA	100 ppm
	STEL	150 ppm
	STEL	553 mg/m ³
ethylbenzene	TWA	369 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³

 Chemical Name

	TWA	434 mg/m3
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m3
Talc (Mg3H2(SiO3)4)	TWA	2 mg/m3
Titanium dioxide	TWA	10 mg/m3
mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m3
	TWA	123 mg/m3
phosphoric acid	TWA	1 mg/m3
amorphous Silica	TWA	10 mg/m3
cumene	TWA	25 ppm
	STEL	75 ppm
	STEL	375 mg/m3
	TWA	125 mg/m3
n-butanol	CEIL	150 mg/m3
	CEIL	50 ppm

Engineering measures

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

Protective equipment

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

Respiratory protection

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

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

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

Chemical Name	Glove material	Glove thickness	Break through time
n-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
propan-1-ol	Viton (R) [®]	0.7 mm	480 min

Chemical Name	Glove material	Glove thickness	Break through time
	Nitrile rubber	0.33 mm	481 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) ®	0.7 mm	30 min
n-butanol	Viton (R) ®	0.7 mm	480 min
	Nitrile rubber	0.33 mm	480 min

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

Skin and body protection

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

Hygiene measures

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

9. Physical and chemical properties

Appearance

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

pH	No data available.	
Freezing point	Not applicable.	
Boiling point	97 °C	
Flash point	15 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	13.7 %	
Lower explosion limit	0.9 %	
Vapour pressure	7.5 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	1 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	270 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

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

Materials to avoid

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

Hazardous decomposition products

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

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

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

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

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

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

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

n-butyl acetate	Category 3
xylene	Category 2
epoxy resin (number average molecular weight <= 700)	Category 2
1-methoxy-2-propanol	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
ethylbenzene	Category 3
1,2,4-trimethylbenzene	Category 2
ethyl 3-ethoxypropionate	Category 3
mesitylene	Category 3
phosphoric acid	Category 1A
n-butanol	Category 2

Serious eye damage/eye irritation

2-methoxy-1-methylethyl acetate	Category 2A
xylene	Category 2A
epoxy resin (number average molecular weight <= 700)	Category 2A
propan-1-ol	Category 1
1-methoxy-2-propanol	Category 2B
ethylbenzene	Category 2B
1,2,4-trimethylbenzene	Category 2A
mesitylene	Category 2A
phosphoric acid	Category 1

n-butanol

Category 1

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisationepoxy resin (number average molecular weight \leq 700) Category 1**Germ cell mutagenicity**

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

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

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

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

12. Ecological information

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

Ecotoxicity effects

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

Acute aquatic toxicity

n-butyl acetate	Category 3
xylene	Category 3
epoxy resin (number average molecular weight \leq 700)	Category 1
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
ethylbenzene	Category 2
1,2,4-trimethylbenzene	Category 2
ethyl 3-ethoxypropionate	Category 3
Titanium dioxide	Category 3
mesitylene	Category 2
phosphoric acid	Category 3
cumene	Category 2

Chronic aquatic toxicity

epoxy resin (number average molecular weight \leq 700)	Category 2
solvent naphtha (petroleum), light arom. ($<0,1\%$ benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
cumene	Category 2

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

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

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: II

Hazchem Code: 3YE

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: II

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: II

Matters needing attention for transportation

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

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 8.3A
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
B12725306

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

End of Safety Data Sheet

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

Product name	Caterpillar Yellow VOC 1K Etch RFU
Product code	71975526
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


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

HSNO Classification

Flammable liquids	Category 3.1B
Acute oral toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 8.3A
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	Highly flammable liquid and vapour. May be harmful if swallowed. Causes skin irritation. Causes serious eye damage. May cause an allergic skin reaction. Harmful to aquatic life with long lasting effects.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

Other hazards which do not result in classification

Contains epoxy constituents. See information supplied by the manufacturer.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
67-64-1	acetone	20 - 30%	✓	
71-36-3	n-butanol	20 - 30%	✓	
25068-38-6	epoxy resin (number average molecular weight <= 700)	5 - 10%	✓	
51274-00-1	Light yellow lemon yellow oxide pigment	5 - 10%		
71-23-8	propan-1-ol	5 - 10%	✓	
107-98-2	1-methoxy-2-propanol	5 - 10%	✓	
763-69-9	ethyl 3-ethoxypropionate	3 - 5%	✓	
1330-20-7	xylene	3 - 5%	✓	
100-41-4	ethylbenzene	1 - 3%	✓	
14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	1 - 3%		
13463-67-7	Titanium dioxide	1 - 3%		
7664-38-2	phosphoric acid	0.3 - 1.0%	✓	
7631-86-9	amorphous Silica	0.1 - 0.3%		

Non-regulated ingredients 5 - 10%

4. First aid measures

Eye contact

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

Skin contact

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

Inhalation

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

Ingestion

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

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

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

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

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

Notes to physician

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

5. Firefighting measures

Suitable extinguishing media

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

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

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

Special Protective Equipment and Fire Fighting Procedures

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

6. Accidental release measures

Personal precautions

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

Environmental precautions

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

Methods for cleaning up

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

7. Handling and storage

Handling

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

Safe handling advice

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

Storage**Suitable storage conditions**

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

Suitable container and packaging materials for safe storage

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

8. Exposure controls/personal protection

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

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

Chemical Name		
acetone	TWA	500 ppm
	STEL	1,000 ppm
	STEL	2,375 mg/m ³
	TWA	1,185 mg/m ³
n-butanol	CEIL	150 mg/m ³
	CEIL	50 ppm
Light yellow lemon yellow oxide pigment	TWA	1 mg/m ³
propan-1-ol	TWA	200 ppm
	STEL	250 ppm
	STEL	614 mg/m ³
	TWA	492 mg/m ³
1-methoxy-2-propanol	TWA	100 ppm
	STEL	150 ppm
	STEL	553 mg/m ³
	TWA	369 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³

 Chemical Name

Talc (Mg ₃ H ₂ (SiO ₃) ₄)	TWA	2 mg/m ³
Titanium dioxide	TWA	10 mg/m ³
phosphoric acid	TWA	1 mg/m ³
amorphous Silica	TWA	10 mg/m ³

Engineering measures

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

Protective equipment

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

Respiratory protection

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

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

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

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

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

Skin and body protection

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

Hygiene measures

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

9. Physical and chemical properties

Appearance

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

pH	No data available.	
Freezing point	Not applicable.	
Boiling point	97 °C	
Flash point	15 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	13.7 %	
Lower explosion limit	1.4 %	
Vapour pressure	63.6 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	0.95 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	270 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

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

Materials to avoid

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

Hazardous decomposition products

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

11. Toxicological information

Information on likely routes of exposure

Inhalation

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

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

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

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

Acute oral toxicity

n-butanol	Category 4
propan-1-ol	Category 4
1-methoxy-2-propanol	Category 5
xylene	Category 5
ethylbenzene	Category 5
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	Category 4
phosphoric acid	Category 4

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

acetone	Category 3
n-butanol	Category 2
epoxy resin (number average molecular weight <= 700)	Category 2
1-methoxy-2-propanol	Category 3
ethyl 3-ethoxypropionate	Category 3
xylene	Category 2
ethylbenzene	Category 3
phosphoric acid	Category 1A

Serious eye damage/eye irritation

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

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

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

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

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

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

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

12. Ecological information

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

Ecotoxicity effects

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

Chronic aquatic toxicity

epoxy resin (number average molecular weight \leq 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: 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
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 8.3A
Skin sensitisation	Category 6.5B
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
B12900369	

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

End of Safety Data Sheet