

## Safety Data Sheet

according to the Work Health and Safety (WHS) Regulations Issue date: 3/01/2017 Revision date: 12/05/2022 Supersedes: 13/07/2021 Version: 6.0

SECTION 1: Product identifier	
1.1. GHS Product identifier	
Product form Trade name Product code	: Mixture : RAPTOR LINER - BLACK : RLB/1
1.2. Other means of identification	
Other means of identification	: Component of: RLB/S1, RLB/S4
1.3. Recommended use of the chemical and	d restrictions on use
Recommended use Restrictions on use	: Coating : Consumer uses: Private households (= general public = consumers)
1.4. Details of manufacturer or importer	
Supplier U-POL Australia Pty Limited Ltd 55 Leland Street Penrith NSW 2750 Australia T 02 4731 2655 - F 02 4731 2611 info@u-pol.com.au - www.u-pol.com	<b>Supplier</b> U-POL New Zealand Limited Ltd c/o Lindsay & Associates Unit H, 12 Amera Place, East Tamaki Manukau City Auckland 2013 New Zealand T + 612 4731 2655 / 027 630 3691 - F + 612 4731 2611 info@u-pol.co.nz - www.u-pol.com
1.5. Emergency phone number	
Emergency number	: Australia (CHEMTREC): + (61) - 290372994 ; New Zealand (National Poisons Centre): 0800 764 766
SECTION 2: Hazard identification	
2.1. Classification of the hazardous chemic	al
Classification according to the model Work Healt	th and Safety Regulations (WHS Regulations)
Flammable liquids, Category 2 Serious eye damage/eye irritation, Category 2A Skin sensitisation, Category 1	H225 H319 H317

2.2. GHS Label elements, including precautionary statements

Specific target organ toxicity - Single exposure, Category 3, Narcosis

Hazard pictograms (GHS AU)	
	Flame Exclamation mark
Signal word (GHS AU)	: Danger
Contains	: acetone (10 – 30 %); n-butyl acetate (< 10 %); reaction mass of bis(1,2,2,6,6-pentamethyl- 4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate (< 10 %); reaction mass of $\alpha$ -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- $\omega$ - hydroxypoly(oxyethylene) and $\alpha$ -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4- hydroxyphenyl)propionyl- $\omega$ -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4- hydroxyphenyl)propionyl- $\omega$ -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4- hydroxyphenyl)propionyl- $\omega$ -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-
Hazard statements (GHS AU)	<ul> <li>H225 - Highly flammable liquid and vapour</li> <li>H317 - May cause an allergic skin reaction</li> <li>H319 - Causes serious eye irritation</li> <li>H336 - May cause drowsiness or dizziness</li> </ul>

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Precautionary statements (GHS AU)	<ul> <li>P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</li> <li>P240 - Ground and bond container and receiving equipment.</li> <li>P241 - Use explosion-proof equipment.</li> <li>P261 - Avoid breathing fume, vapours, spray.</li> <li>P264 - Wash hands thoroughly after handling.</li> <li>P271 - Use only outdoors or in a well-ventilated area.</li> <li>P272 - Contaminated work clothing should not be allowed out of the workplace.</li> <li>P280 - Wear face protection, protective clothing, protective gloves.</li> <li>P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing.</li> <li>Rinse skin with water .</li> <li>P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.</li> <li>P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</li> <li>P312 - Call a POISON CENTER or doctor if you feel unwell.</li> <li>P331+P313 - If skin irritation or rash occurs: Get medical attention.</li> <li>P337+P313 - If eye irritation persists: Get medical attention.</li> <li>P362+P364 - Take off contaminated clothing and wash it before reuse.</li> <li>P370+P378 - In case of fire: Use media other than water to extinguish.</li> <li>P403+P233 - Store in a well-ventilated place. Keep cool.</li> <li>P403+P235 - Store in a well-ventilated place. Keep cool.</li> <li>P405 - Store locked up.</li> <li>P501 - Dispose of contents and container to hazardous or special waste collection point, in</li> </ul>
	accordance with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification

No additional information available

## **SECTION 3: Composition and information on ingredients**

Name	CAS-No.	%	Classification according to the model Work Health and Safety Regulations (WHS Regulations)
acetone	67-64-1	10 – 30	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336
Other substances (not contributing to the classification of this product)	-	84.3	-

### **SECTION 4: First aid measures**

4.1. Description of necessary first-aid measures		
First-aid measures general	: Call a poison center or a doctor if you feel unwell.	
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.	
First-aid measures after skin contact	<ul> <li>Rinse skin with water/shower. Take off immediately all contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.</li> </ul>	
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.	
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.	
4.2. Symptoms caused by exposure		
Symptoms/effects Symptoms/effects after skin contact	<ul><li>May cause drowsiness or dizziness.</li><li>Irritation. May cause an allergic skin reaction.</li></ul>	
Symptoms/effects after eye contact	: Eye irritation.	

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### 4.3. Medical attention and special treatment

Other medical advice or treatment

: Treat symptomatically.

SECTION 5: Fire-fighting measures			
5.1. Extinguishing media			
Suitable extinguishing media	: Dry sand. Water spray. Dry powder. Foam. Carbon dioxide.		
5.2. Specific hazards arising from the chemical			
Fire hazard Hazardous decomposition products in case of fire	<ul><li>Highly flammable liquid and vapour.</li><li>Toxic fumes may be released.</li></ul>		
5.3. Special protective equipment and precautions for fire-fighters			
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.		
Hazchem Code	: * 3YE		

SECTION 6: Accidental release measures		
6.1. Personal precautions, protect	ctive equipment and emergency procedures	
6.1.1. For non-emergency personnel		
Protective equipment	: Protective clothing. Gloves. Safety glasses.	
Emergency procedures	: Ventilate spillage area. Do not breathe vapours. No open flames, no sparks, and no smoking. Avoid breathing vapours, spray, fume. Avoid contact with skin and eyes.	
6.1.2. For emergency responders		
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".	
6.2. Environmental precautions		

#### Avoid release to the environment.

6.3. Methods and materials for containment and cleaning up	
For containment Methods for cleaning up	<ul> <li>Contain released product. Collect spillage.</li> <li>Take up liquid spill into absorbent material. This material and its container must be disposed of in a safe way, and as per local legislation. Notify authorities if product enters sewers or public waters.</li> </ul>

SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Additional hazards when processed Precautions for safe handling	<ul> <li>Keep away from Heat and ignition sources. No smoking.</li> <li>Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Use only outdoors or in a well-ventilated area. Avoid breathing vapours, spray, fume. Avoid contact with skin and eyes.</li> </ul>
Hygiene measures	: Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2. Conditions for safe storage, including	any incompatibilities
Technical measures	: Ground/bond container and receiving equipment.

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- Storage conditions Storage temperature Storage area Special rules on packaging
- : Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up. : < 25 °C
- - : Store in well ventilated area.

: Keep only in original container.

### **SECTION 8: Exposure controls and personal protection**

8.1. Control parameters - exposure standards

acetone (67-64-1)		
Australia - Occupational Exposure Limits		
Local name	Acetone	
OES TWA [1]	1185 mg/m <sup>3</sup>	
OES TWA [2]	500 ppm	
OES STEL	2375 mg/m <sup>3</sup>	
OES STEL [ppm]	1000 ppm	
Regulatory reference	Workplace exposure standards for airborne contaminants (2019)	
New Zealand - Occupational Exposure Limits		
Local name	Acetone	
WES-TWA (OEL TWA) [1]	1185 mg/m³	
WES-TWA (OEL TWA) [2]	500 ppm	
WES-STEL (OEL STEL)	2375 mg/m <sup>3</sup>	
WES-STEL (OEL STEL) [ppm]	1000 ppm	
Regulatory reference	Workplace Exposure Standards and Biological Exposure Indices, 12th Edition	
New Zealand - Biological Exposure Indices		
Local name	Acetone	
BEI	50 mg/l Parameter: Acetone - Medium: Urine - Sampling time: End of shift	
Regulatory reference	Workplace Exposure Standards and Biological Exposure Indices, 12th Edition	

#### 8.2. Biological Monitoring

No additional information available

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8.3. Engineering controls
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- Appropriate engineering controls
- : Ensure good ventilation of the work station.

repropriate engineering controle		
8.4. Individual protection measures, such as personal protective equipment (PPE)		
Personal protective equipment Materials for protective clothing	: Gloves. Protective clothing. Safety glasses. Gas mask. : Impermeable clothing	
Hand protection	: Protective gloves	
Eye protection Skin and body protection	: Chemical goggles or face shield. Safety glasses : Wear suitable protective clothing	
Respiratory protection	: Air-fed respiratory protective equipment should be worn when this product is sprayed	
Development and the standard sta	N	

#### Personal protective equipment symbol(s)



Environmental exposure controls

: Avoid release to the environment.

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## SECTION 9: Physical and chemical properties

Physical state	: Liquid
Appearance	: Viscous. Liquid.
Colour	: Black
Odour	: Acetone odour
Odour threshold	: No data available
рН	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point / Freezing point	: Melting point: Not applicable
Boiling point	: 56 °C Acetone
Flash point	: -17 °C Acetone
Auto-ignition temperature	: No data available
Flammability	: No data available
Vapour pressure	: No data available
Relative density	: No data available
Density	: Density: 1.125 (1.1 – 1.14) g/cm <sup>3</sup>
Solubility	: insoluble in water. soluble in most organic solvents.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: 7777.778 mm²/s
Viscosity, dynamic	: 8750 (7500 – 10000) cP (20°C)
Explosive properties	: No data available
Explosive limits	: No data available
Minimum ignition energy	: No data available
VOC content	: 417 g/l
VOC content - Regulatory	: No data available
Percent Solids	: 62.82 wt%

SECTION 10: Stability and reactiv	ity
Reactivity	: Highly flammable liquid and vapour.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.
Incompatible materials	: No additional information available
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological inform	nation
Acute toxicity (oral) Acute toxicity (dermal)	: Not classified : Not classified
Acute toxicity (inhalation)	: Not classified
acetone (67-64-1)	
LD50 oral rat	5800 mg/kg bodyweight Animal: rat, Animal sex: female
LD50 dermal rabbit	> 15800 mg/kg bodyweight (24 h, Rabbit, Male, Experimental value, Dermal, 14 day(s))
LC50 Inhalation - Rat	76 mg/l air Animal: rat, Animal sex: female, 95% CL: 65,2 - 88,4
ATE AU (oral)	5800 mg/kg bodyweight
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: May cause drowsiness or dizziness.

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acetone (67-64-1)	
STOT-single exposure	May cause drowsiness or dizziness.
STOT-repeated exposure :	Not classified
Aspiration hazard :	Not classified
RAPTOR LINER - BLACK	
Viscosity, kinematic	7777.778 mm²/s

### **SECTION 12: Ecological information**

According to the National Code of Practice for the Preparation of Material Safety Data Sheets, Environmental classification information is not mandatory. Information relevant for GHS classification is available on request

12.1. Ecotoxicity	
Hazardous to the aquatic environment, short-term : (acute)	The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. Not classified Not classified
acetone (67-64-1)	
LC50 - Fish [1]	6210 – 8120 mg/l (Equivalent or similar to OECD 203, 96 h, Pimephales promelas, Flow- through system, Fresh water, Experimental value, Measured concentration)
LOEC (chronic)	> 79 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	≥ 79 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
BCF - Fish [1]	0.69 (Pisces, Literature study)
Partition coefficient n-octanol/water (Log Pow)	-0.23 (Test data)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0.374 – 0.988 (log Koc, SRC PCKOCWIN v2.0, Calculated value)

### 12.2. Persistence and degradability

acetone (67-64-1)	
Persistence and degradability	Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. Readily biodegradable in water.
Biochemical oxygen demand (BOD)	1.43 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	1.92 g O <sub>2</sub> /g substance
ThOD	2.2 g O <sub>2</sub> /g substance

#### 12.3. Bioaccumulative potential

acetone (67-64-1)	
BCF - Fish [1]	0.69 (Pisces, Literature study)
Partition coefficient n-octanol/water (Log Pow)	-0.23 (Test data)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0.374 – 0.988 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

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12.4. Mobility in soil		
acetone (67-64-1)		
Surface tension	23.3 mN/m (20 °C)	
Partition coefficient n-octanol/water (Log Pow)	-0.23 (Test data)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	See section 12.1 on ecotoxicology0.374 – 0.988 (log Koc, SRC PCKOCWIN v2.0, Calculated value)	
Ecology - soil	Highly mobile in soil.	
12.5. Other adverse effects		
	Not classified No additional information available	
RAPTOR LINER - BLACK		
Fluorinated greenhouse gases	False	
acetone (67-64-1)		
Fluorinated greenhouse gases	False	

## SECTION 13: Disposal considerations

Regional legislation (waste)	: Disposal must be done according to official regulations.
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Additional information	: Flammable vapours may accumulate in the container.

SECTION 14: Transport information	bn
14.1. UN number	
UN-No. (ADG) UN-No. (IMDG) UN-No. (IATA)	: 1263 : 1263 : 1263
14.2. UN Proper Shipping Name	
Proper Shipping Name (ADG) Proper Shipping Name (IMDG) Proper Shipping Name (IATA)	: PAINT : PAINT : Paint
14.3. Transport hazard class(es)	
ADG Transport hazard class(es) (ADG) Danger labels (ADG)	
IMDG	
Transport hazard class(es) (IMDG) Danger labels (IMDG)	

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IATA Transport hazard class(es) (IATA) Danger labels (IATA)	
14.4. Packing group	
Packing group (ADG) Packing group (IMDG) Packing group (IATA)	<ul> <li>II - Substances presenting medium danger</li> <li>II</li> <li>II</li> </ul>
14.5. Environmental hazards	
Marine pollutant Dangerous for the environment Other information	<ul><li>No</li><li>No</li><li>No supplementary information available</li></ul>
14.6. Special precautions for user	
Specific storage requirement Shock sensitivity	<ul><li>No data available</li><li>No data available</li></ul>
14.7. Additional information	
Other information	: No supplementary information available
Transport by road and rail UN-No. (ADG) Special provision (ADG) Limited quantities (ADG) Packing instructions (ADG) Special packing provisions (ADG) Portable tank and bulk container instructions (ADG) Portable tank and bulk container special provisions (ADG)	<ul> <li>1263</li> <li>163, 367</li> <li>5I</li> <li>P001, IBC02</li> <li>PP1</li> <li>T4</li> <li>TP1, TP8, TP28</li> </ul>
Transport by sea UN-No. (IMDG) Special provisions (IMDG) Limited quantities (IMDG) Excepted quantities (IMDG) Packing instructions (IMDG) Special packing provisions (IMDG) IBC packing instructions (IMDG) Tank instructions (IMDG) Tank special provisions (IMDG) EmS-No. (Fire) EmS-No. (Spillage) Stowage category (IMDG) Properties and observations (IMDG)	<ul> <li>1263</li> <li>163, 367</li> <li>5 L</li> <li>E2</li> <li>P001</li> <li>PP1</li> <li>IBC02</li> <li>T4</li> <li>TP1, TP8, TP28</li> <li>F-E - FIRE SCHEDULE Echo - NON-WATER-REACTIVE FLAMMABLE LIQUIDS</li> <li>S-E - SPILLAGE SCHEDULE Echo - FLAMMABLE LIQUIDS, FLOATING ON WATER</li> <li>B</li> <li>Miscibility with water depends upon the composition.</li> </ul>
Air transport UN-No. (IATA) PCA Excepted quantities (IATA) PCA Limited quantities (IATA) PCA limited quantity max net quantity (IATA) PCA packing instructions (IATA) PCA max net quantity (IATA) CAO packing instructions (IATA) CAO max net quantity (IATA) Special provisions (IATA)	<ul> <li>1263</li> <li>E2</li> <li>Y341</li> <li>1L</li> <li>353</li> <li>5L</li> <li>364</li> <li>60L</li> <li>A3, A72, A192</li> </ul>

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ERG code (IATA)	: 3L	
14.8. Hazchem or Emergency Action Code		
Hazchem Code	: * 3YE	
SECTION 15: Regulatory information		
15.1. Safety, health and environmental regul	ations specific for the product in question	
No additional information available Hazardous Substances and New Organisms Act HSNO Approval Number Group standard	: HSR002662 : Surface coatings and colourants	
acetone (67-64-1)		
Hazardous Substances and New Organisms Act		
HSNO Approval Number	HSR001070	
Xylene (1330-20-7)		
Hazardous Substances and New Organisms Act		
HSNO Approval Number	HSR000983	
15.2. International agreements		
No additional information available		

### **SECTION 16: Other information**

Revision date :	12/05/2022
Classification	
Flam. Liq. 2	H225
Eye Irrit. 2A	H319
Skin Sens. 1	H317
STOT SE 3	H336

Full text of H-statements	
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Flam. Liq. 2	Flammable liquids, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis
H225	Highly flammable liquid and vapour
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness

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#### For professional use only.

The information contained within this Safety Data Sheet (SDS) is believed to be correct as of the date issued however it is subject to change from time to time. It does not purport to be all inclusive or exhaustive and shall only be used as a guide. U-POL makes no warranties, expressed or implied, including but not limited to, any implied warranty of fitness for a given purpose or usage. It is the Buyers responsibility to ensure the suitability of the products for their own use and to check the information is up to date. U-POL cannot be held responsible for the suitability of use for any of its products, considering the wide range of factors such as application, substrates and handling methods. Since these conditions of use are outside of our control, the company shall not be held liable for any damage resulting from handling or from contact with the product detailed. Moreover, addition of reducers, hardeners or other additives over and above U-POL's recommendations for use, may substantially alter the composition and hazards of the product. U-POL data sheets are available via the U-POL website at WWW.U-POL.COM.



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SECTION 1: Product identifier		
1.1. GHS Product identifier		
Product form Trade name	: Mixture : RAPTOR HARDENER	
1.2. Other means of identification		
Other means of identification	: Component of: RLT/R1LK, RLT/R4LK, RLT/1RKIT, RLT/4RKIT, RLB/1RKIT, RLB/4RKIT	
1.3. Recommended use of the chemical and restrictions on use		
Recommended use	: Coating	
1.4. Details of manufacturer or importer		
Supplier U-POL Australia Pty Limited Ltd 55 Leland Street Penrith NSW 2750 Australia T 02 4731 2655 - F 02 4731 2611 info@u-pol.com.au - www.u-pol.com	<b>Supplier</b> U-POL New Zealand Limited Ltd c/o Lindsay & Associates Unit H, 12 Amera Place, East Tamaki Manukau City Auckland 2013 New Zealand T + 612 4731 2655 / 027 630 3691 - F + 612 4731 2611 <u>info@u-pol.co.nz</u> - <u>www.u-pol.com</u>	
1.5. Emergency phone number		
Emergency number	: Australia (CHEMTREC): + (61) - 290372994 ; New Zealand (National Poisons Centre): 0800 764 766	

### **SECTION 2: Hazard identification**

#### 2.1. Classification of the hazardous chemical

<b>Classification according to the model Work Healt</b>	th and Safety Regulations (WHS Regulations)

·

Flammable liquids, Category 3	H226
Acute toxicity (inhalation:vapour) Category 4	H332
Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 2A	H319
Skin sensitisation, Category 1	H317
Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation	H335
Specific target organ toxicity – Repeated exposure, Category 2	H373
Aspiration hazard, Category 1	H304

2.2. GHS Label elements, including precautionary statements

Hazard pictograms (GHS AU)

Signal word (GHS AU) Contains

Hazard statements (GHS AU)



mark

- Danger
  Xylene (30 60 %); hexamethylene diisocyanate oligomers (< 60 %); ethylbenzene (10 30 %); solvent naphtha (petroleum), light aromatic (< 10 %)</li>
  H226 Flammable liquid and vapour H304 - May be fatal if swallowed and enters airways
  - H315 Causes skin irritation
  - H317 May cause an allergic skin reaction

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	H319 - Causes serious eye irritation H332 - Harmful if inhaled H335 - May cause respiratory irritation H373 - May cause damage to organs (hearing organs) through prolonged or repeated exposure (inhalation)
Precautionary statements (GHS AU)	: P101 - If medical advice is needed, have product container or label at hand.
	P102 - Keep out of reach of children.
	P103 - Read carefully and follow all instructions.
	P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
	No smoking. heat, hot surfaces, open flames, sparks
	P260 - Do not breathe vapours, spray, fume.
	P264 - Wash hands thoroughly after handling.
	P280 - Wear face protection, protective gloves, protective clothing.
	P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
	P501 - Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### 2.3. Other hazards which do not result in classification

#### No additional information available

#### **SECTION 3: Composition and information on ingredients**

Name	CAS-No.	%	Classification according to the model Work Health and Safety Regulations (WHS Regulations)
Xylene	1330-20-7	30 – 60	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335 STOT RE 2, H373 Asp. Tox. 1, H304
hexamethylene diisocyanate oligomers	28182-81-2	< 60	Acute Tox. 4 (Inhalation), H332 Skin Sens. 1, H317 STOT SE 3, H335
ethylbenzene	100-41-4	10 – 30	Flam. Liq. 2, H225 Acute Tox. 5 (Oral), H303 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Inhalation:vapour), H332 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Chronic 3, H412
Other substances (not contributing to the classification of this product)	-	≥ 62.65	-

### SECTION 4: First aid measures

4.1. Description of necessary first-aid measures		
First-aid measures general	: Call a poison center or a doctor if you feel unwell.	
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.	
First-aid measures after skin contact	: Rinse skin with water/shower. Take off immediately all contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.	
First-aid measures after eye contact	: Rinse eyes with water as a precaution.	

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according to the Work Health and Safety (WHS) Regulations		
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.	
4.2. Symptoms caused by exposure		
Symptoms/effects after inhalation Symptoms/effects after skin contact	<ul><li>May cause respiratory irritation.</li><li>Irritation. May cause an allergic skin reaction.</li></ul>	
4.3. Medical attention and special tre	atment	
Other medical advice or treatment	: Treat symptomatically.	

 SECTION 5: Fire-fighting measures

 5.1. Extinguishing media

 Suitable extinguishing media
 : Water spray. Dry powder. Foam. Carbon dioxide.

 5.2. Specific hazards arising from the chemical

 Fire hazard
 : Flammable liquid and vapour.

 Hazardous decomposition products in case of fire
 : Toxic fumes may be released.

 5.3. Special protective equipment and precautions for fire-fighters

 Protection during firefighting
 : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

 Hazchem Code
 : \* 3Y

SECTION 6: Accidental release n	SECTION 6: Accidental release measures		
6.1. Personal precautions, protective	e equipment and emergency procedures		
6.1.1. For non-emergency personnel			
Protective equipment Emergency procedures	<ul> <li>Safety glasses. Protective clothing. Gloves.</li> <li>Ventilate spillage area. No open flames, no sparks, and no smoking. Do not breathe vapours, fume, spray. Avoid contact with skin and eyes.</li> </ul>		
6.1.2. For emergency responders			
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".		
6.2. Environmental precautions			
Avoid release to the environment.			
6.3. Methods and materials for conta	ainment and cleaning up		
For containment Methods for cleaning up	<ul> <li>Contain released product, collect/pump into suitable containers. Collect spillage.</li> <li>Take up liquid spill into absorbent material. Notify authorities if product enters sewers or</li> </ul>		

SECTION 7: Handling and storage		
7.1. Precautions for safe handling		
	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Do not breathe vapours, fume, spray. Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.	

public waters.

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### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures Storage conditions Storage temperature Storage area Special rules on packaging	<ul> <li>Ground/bond container and receiving equipment.</li> <li>Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.</li> <li>&lt; 25 °C</li> <li>Store in a well-ventilated place.</li> <li>Keep only in original container.</li> </ul>
Special rules on packaging	: Keep only in original container.

# SECTION 8: Exposure controls and personal protection

### 8.1. Control parameters - exposure standards

Xylene (1330-20-7)		
New Zealand - Occupational Exposure Limits		
Local name	Xylene (Dimethylbenzene)	
WES-TWA (OEL TWA) [1]	217 mg/m <sup>3</sup>	
WES-TWA (OEL TWA) [2]	50 ppm	
Regulatory reference	Workplace Exposure Standards and Biological Exposure Indices, 12th Edition	
New Zealand - Biological Exposure Indices		
Local name	Xylene	
BEI	1.5 g/l Parameter: Methylhippuric acid - Medium: Urine - Sampling time: End of shift	
Regulatory reference	Workplace Exposure Standards and Biological Exposure Indices, 12th Edition	
ethylbenzene (100-41-4)		
Australia - Occupational Exposure Limits		
Local name	Ethyl benzene	
OES TWA [1]	434 mg/m <sup>3</sup>	
OES TWA [2]	100 ppm	
OES STEL	543 mg/m³	
OES STEL [ppm]	125 ppm	
Regulatory reference	Workplace exposure standards for airborne contaminants (2019)	
New Zealand - Occupational Exposure Limits		
Local name	Ethyl benzene	
WES-TWA (OEL TWA) [1]	434 mg/m <sup>3</sup>	
WES-TWA (OEL TWA) [2]	100 ppm	
WES-STEL (OEL STEL)	543 mg/m³	
WES-STEL (OEL STEL) [ppm]	125 ppm	
Regulatory reference	Workplace Exposure Standards and Biological Exposure Indices, 12th Edition	
New Zealand - Biological Exposure Indices		
Local name	Ethyl benzene	
BEI	0.25 g/g creatinine Parameter: Sum of mandelic acid and phenylglyoxylic acids - Medium: Urine - Sampling time: End of shift or end of exposure	
Regulatory reference	Workplace Exposure Standards and Biological Exposure Indices, 12th Edition	

8.2. Biological Monitoring

No additional information available

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### 8.3. Engineering controls

Appropriate engineering controls       : Ensure good ventilation of the work station.         8.4. Individual protection measures, such as personal protective equipment (PPE)
8.4 Individual protection measures, such as personal protective equipment (PPF)
or a manual prototion moustros, such as personal protective equipment (TTE)
Personal protective equipment: Gas mask. Gloves. Protective clothing. Safety glasses.Materials for protective clothing: Impermeable clothingHand protection: Protective glovesEye protection: Safety glassesSkin and body protection: Wear suitable protective clothingRespiratory protection: Air-fed respiratory protective equipment should be worn when this product is sprayed. [In case of inadequate ventilation] wear respiratory protection.

#### Personal protective equipment symbol(s)



Environmental exposure controls

: Avoid release to the environment.

### **SECTION 9: Physical and chemical properties**

Physical state	: Liquid
Appearance	: Liquid.
Colour	: Colourless
Odour	: aromatic
Odour threshold	: No data available
рН	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point / Freezing point	: No data available
Boiling point	: No data available
Flash point	: 27 °C
Auto-ignition temperature	: No data available
Flammability	: No data available
Vapour pressure	: No data available
Relative density	: No data available
Density	: Density: 0.97 (0.96 – 0.98) g/cm <sup>3</sup>
Solubility	: insoluble in water. soluble in most organic solvents.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: < 20.5 mm²/s
Explosive properties	: No data available
Explosive limits	: No data available
Minimum ignition energy	: No data available
VOC content	: 603 g/l
VOC content - Regulatory	: No data available
Percent Solids	: 0 wt%

SECTION 10: Stability and reactive	vity
Reactivity	: Flammable liquid and vapour.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.
Incompatible materials	: No additional information available
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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SECTION 11: Toxicological information		
Acute toxicity (oral) :	Not classified	
Acute toxicity (dermal) :	Not classified	
Acute toxicity (inhalation) :	Harmful if inhaled.	
ATE AU (vapours)	12.187 mg/l/4h	
hexamethylene diisocyanate oligomers (2818	2-81-2)	
LD50 oral rat	> 2500 mg/kg (OECD Test Guideline 423, rat, female)	
LD50 dermal rat	> 2000 mg/kg (OECD Test Guideline 402, rat, male/female)	
LC50 Inhalation - Rat (Dust/Mist)	0.39 mg/l/4h (OECD Test Guideline 403, rat, female, inhalation, dust/mist)	
ATE AU (gases)	4500 ppmv/4h	
ATE AU (vapours)	11 mg/l/4h	
ATE AU (dust,mist)	0.39 mg/l/4h	
Xylene (1330-20-7)		
LD50 oral rat	> 4000 mg/kg bodyweight (Equivalent or similar to EU Method B.1, Rat, Female, Experimental value, Oral, 14 day(s))	
LD50 dermal rat	12126 mg/kg (Non-GLP, read-across from supporting substance, single dermal dose under occlusion followed by observation for 14 days)	
LD50 dermal rabbit	12126 mg/kg bodyweight Animal: rabbit, Animal sex: male	
LC50 Inhalation - Rat	29.09 mg/l (Equivalent or similar to EU Method B.2, 4 h, Rat, Male, Experimental value, Inhalation (vapours), 14 day(s))	
LC50 Inhalation - Rat [ppm]	6700 ppm/4h (EU Method B.2 (Acute Toxicity (Inhalation)), 4h, rat, male)	
ATE AU (dermal)	1100 mg/kg bodyweight	
ATE AU (gases)	6700 ppmv/4h	
ATE AU (vapours)	11 mg/l/4h	
ATE AU (dust,mist)	1.5 mg/l/4h	
ethylbenzene (100-41-4)		
LD50 oral rat	3500 mg/kg (Rat, Male / female, Experimental value, Oral, 14 day(s))	
LD50 dermal rabbit	15433 mg/kg bodyweight (24 h, Rabbit, Male, Experimental value, Dermal, 14 day(s))	
LC50 Inhalation - Rat	17.8 mg/l (4 h, Rat, Male, Experimental value, Inhalation (vapours), 14 day(s))	
ATE AU (oral)	3500 mg/kg bodyweight	
ATE AU (dermal)	15433 mg/kg bodyweight	
ATE AU (gases)	4500 ppmv/4h	
ATE AU (vapours)	17.8 mg/l/4h	
ATE AU (dust,mist)	1.5 mg/l/4h	
Skin corrosion/irritation :	Causes skin irritation.	
Serious eye damage/irritation :	Causes serious eye irritation.	
Respiratory or skin sensitisation :	May cause an allergic skin reaction.	
Germ cell mutagenicity :	Not classified	
Carcinogenicity :	Not classified	
Reproductive toxicity :	Not classified	
STOT-single exposure :	May cause respiratory irritation.	
hexamethylene diisocyanate oligomers (28182-81-2)		
STOT-single exposure	May cause respiratory irritation.	

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Xylene (1330-20-7)	
STOT-single exposure	May cause respiratory irritation.
	May cause damage to organs (hearing organs) through prolonged or repeated exposure (inhalation).
Xylene (1330-20-7)	
LOAEL (oral, rat, 90 days)	150 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents), Guideline: EPA OPP 82-1 (90-Day Oral Toxicity)
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
ethylbenzene (100-41-4)	
NOAEL (oral, rat, 90 days)	75 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90- Day Oral Toxicity in Rodents)
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard :	May be fatal if swallowed and enters airways.
RAPTOR HARDENER	
Viscosity, kinematic	< 20.5 mm²/s

### **SECTION 12: Ecological information**

According to the National Code of Practice for the Preparation of Material Safety Data Sheets, Environmental classification information is not mandatory. Information relevant for GHS classification is available on request

12.1. Ecotoxicity		
Hazardous to the aquatic environment, short-term : (acute)	The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. Not classified Not classified	
Xylene (1330-20-7)		
LC50 - Fish [1]	2.6 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)	
EC50 - Crustacea [1]	> 3.4 mg/l Test organisms (species): Ceriodaphnia dubia	
ErC50 algae	4.36 mg/l (OECD 201: Alga, Growth Inhibition Test, 73 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)	
NOEC chronic fish	> 1.3 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '56 d'	
BCF - Fish [1]	7.2 – 25.9 (56 day(s), Oncorhynchus mykiss, Flow-through system, Fresh water, Read- across)	
Partition coefficient n-octanol/water (Log Pow)	3.2 (Read-across, 20 °C)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.73 (log Koc, Equivalent or similar to OECD 121, Read-across)	
ethylbenzene (100-41-4)		
LC50 - Fish [1]	5.1 mg/l Test organisms (species): Menidia menidia	
EC50 - Crustacea [1]	1.8 – 2.4 mg/l (US EPA, 48 h, Daphnia magna, Static system, Fresh water, Experimental value)	
LOEC (chronic)	1.7 mg/l Test organisms (species): Ceriodaphnia dubia Duration: '7 d'	
NOEC (chronic)	0.96 mg/l Test organisms (species): Ceriodaphnia dubia Duration: '7 d'	

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ethylbenzene (100-41-4)	
BCF - Fish [1]	1 (6 week(s), Oncorhynchus kisutch, Flow-through system, Salt water, Experimental value)
Partition coefficient n-octanol/water (Log Pow)	3.6 (Experimental value, EU Method A.8: Partition Coefficient, 20 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.71 (log Koc, PCKOCWIN v1.66, QSAR)

#### 12.2. Persistence and degradability

Xylene (1330-20-7)		
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.	
ethylbenzene (100-41-4)		
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.	
Biochemical oxygen demand (BOD)	1.44 g O <sub>2</sub> /g substance	
Chemical oxygen demand (COD)	2.1 g O <sub>2</sub> /g substance	
ThOD	3.17 g O <sub>2</sub> /g substance	

### 12.3. Bioaccumulative potential

Xylene (1330-20-7)	
BCF - Fish [1]	7.2 – 25.9 (56 day(s), Oncorhynchus mykiss, Flow-through system, Fresh water, Read- across)
Partition coefficient n-octanol/water (Log Pow)	3.2 (Read-across, 20 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.73 (log Koc, Equivalent or similar to OECD 121, Read-across)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
ethylbenzene (100-41-4)	
BCF - Fish [1]	1 (6 week(s), Oncorhynchus kisutch, Flow-through system, Salt water, Experimental value)
Partition coefficient n-octanol/water (Log Pow)	3.6 (Experimental value, EU Method A.8: Partition Coefficient, 20 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.71 (log Koc, PCKOCWIN v1.66, QSAR)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

### 12.4. Mobility in soil

Xylene (1330-20-7)		
Surface tension	28.01 – 29.76 mN/m (25 °C)	
Partition coefficient n-octanol/water (Log Pow)	3.2 (Read-across, 20 °C)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	See section 12.1 on ecotoxicology2.73 (log Koc, Equivalent or similar to OECD 121, Read-across)	
Ecology - soil	Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation.	
ethylbenzene (100-41-4)		
Surface tension	71.2 mN/m (23 °C, 0.058 g/l, EU Method A.5: Surface tension)	
Partition coefficient n-octanol/water (Log Pow)	3.6 (Experimental value, EU Method A.8: Partition Coefficient, 20 °C)	

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ethylbenzene (100-41-4)		
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	See section 12.1 on ecotoxicology2.71 (log Koc, PCKOCWIN v1.66, QSAR)	
Ecology - soil	Low potential for adsorption in soil. Toxic to soil organisms.	
12.5. Other adverse effects		
Ozone :	Not classified	
Other adverse effects :	No additional information available	
RAPTOR HARDENER		
Fluorinated greenhouse gases	False	
hexamethylene diisocyanate oligomers (28182-81-2)		
Fluorinated greenhouse gases	False	
Xylene (1330-20-7)		
Fluorinated greenhouse gases	False	
ethylbenzene (100-41-4)		
Fluorinated greenhouse gases	False	

SECTION 13: Disposal considerations	
Regional legislation (waste) Waste treatment methods Additional information	<ul> <li>Disposal must be done according to official regulations.</li> <li>Dispose of contents/container in accordance with licensed collector's sorting instructions.</li> <li>Flammable vapours may accumulate in the container.</li> </ul>

SECTION 14: Transport informati	n	
14.1. UN number		
UN-No. (ADG) UN-No. (IMDG) UN-No. (IATA)	: 1263 : 1263 : 1263	
14.2. UN Proper Shipping Name		
Proper Shipping Name (ADG) Proper Shipping Name (IMDG) Proper Shipping Name (IATA)	<ul> <li>PAINT RELATED MATERIAL</li> <li>PAINT RELATED MATERIAL</li> <li>Paint</li> </ul>	
14.3. Transport hazard class(es)		
ADG Transport hazard class(es) (ADG) Danger labels (ADG)	$\begin{array}{c} : 3 \\ : 3 \\ : \end{array}$	
IMDG Transport hazard class(es) (IMDG) Danger labels (IMDG)	: 3 : 3 : 3	

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IATA Transport hazard class(es) (IATA) Danger labels (IATA)	
14.4. Packing group	
Packing group (ADG) Packing group (IMDG) Packing group (IATA)	<ul> <li>III - Substances presenting low danger</li> <li>III</li> <li>III</li> </ul>
14.5. Environmental hazards	
Marine pollutant Dangerous for the environment Other information	<ul> <li>No</li> <li>No</li> <li>No supplementary information available</li> </ul>
14.6. Special precautions for user	
Specific storage requirement Shock sensitivity	: No data available : No data available
14.7. Additional information	
Other information	: No supplementary information available
Transport by road and rail UN-No. (ADG) Special provision (ADG) Limited quantities (ADG) Packing instructions (ADG) Special packing provisions (ADG) Portable tank and bulk container instructions (ADG) Portable tank and bulk container special provisions (ADG)	
Transport by sea UN-No. (IMDG) Special provisions (IMDG) Limited quantities (IMDG) Excepted quantities (IMDG) Packing instructions (IMDG) Special packing provisions (IMDG) IBC packing instructions (IMDG) IBC packing instructions (IMDG) Tank instructions (IMDG) Tank special provisions (IMDG) EmS-No. (Fire) EmS-No. (Spillage) Stowage category (IMDG) Properties and observations (IMDG)	<ul> <li>1263</li> <li>163, 223, 367, 955</li> <li>5 L</li> <li>E1</li> <li>P001, LP01</li> <li>PP1</li> <li>IBC03</li> <li>T2</li> <li>TP1, TP29</li> <li>F-E - FIRE SCHEDULE Echo - NON-WATER-REACTIVE FLAMMABLE LIQUIDS</li> <li>S-E - SPILLAGE SCHEDULE Echo - FLAMMABLE LIQUIDS, FLOATING ON WATER</li> <li>A</li> <li>Miscibility with water depends upon the composition.</li> </ul>
Air transport UN-No. (IATA) PCA Excepted quantities (IATA) PCA Limited quantities (IATA) PCA limited quantity max net quantity (IATA) PCA packing instructions (IATA) PCA max net quantity (IATA) CAO packing instructions (IATA) CAO max net quantity (IATA)	<ul> <li>1263</li> <li>E1</li> <li>Y344</li> <li>10L</li> <li>355</li> <li>60L</li> <li>366</li> <li>220L</li> </ul>

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Special provisions (IATA) ERG code (IATA)	: A3, A72, A192 : 3L	
14.8. Hazchem or Emergency Acti	ion Code	
Hazchem Code	: * 3Y	

## SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations specific for the product in question

15.1. Safety, health and environmental regul	ations specific for the product in question
Standard for the Uniform Scheduling of Medicines	and Poisons (SUSMP)
Covered by The Standard for the Uniform	: This chemical is covered by the Standard for the Uniform Scheduling of Medicines and
Scheduling of Medicines and Poisons (SUSMP)	Poisons
Hazardous Substances and New Organisms Act	
	: HSR002662
Group standard	: Surface coatings and colourants
hexamethylene-di-isocyanate (822-06-0)	
Hazardous Substances and New Organisms Act	
HSNO Approval Number	HSR001536
n-butyl acetate (123-86-4)	
Hazardous Substances and New Organisms Act	
HSNO Approval Number	HSR001091
solvent naphtha (petroleum), light aromatic	(64742-95-6)
Hazardous Substances and New Organisms Act	
HSNO Approval Number	HSR001503
hexamethylene diisocyanate oligomers (281	82-81-2)
Hazardous Substances and New Organisms Act	
HSNO Approval Number	HSR003565
L	
Xylene (1330-20-7)	
Hazardous Substances and New Organisms Act	
HSNO Approval Number	HSR000983
L	1
ethylbenzene (100-41-4)	
Hazardous Substances and New Organisms Act	
HSNO Approval Number	HSR001151
15.2. International agreements	
No additional information available	

No additional information available

SECTION 16: Other information	
Revision date	: 09/12/2021

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Classification	
Flam. Liq. 3	H226
Acute Tox. 4 (Inhalation:vapour)	H332
Skin Irrit. 2	H315
Eye Irrit. 2A	H319
Skin Sens. 1	H317
STOT SE 3	H335
STOT RE 2	H373
Asp. Tox. 1	H304

Full text of H-statements		
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4	
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4	
Acute Tox. 4 (Inhalation:vapour)	Acute toxicity (inhalation:vapour) Category 4	
Acute Tox. 5 (Oral)	Acute toxicity (oral), Category 5	
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3	
Asp. Tox. 1	Aspiration hazard, Category 1	
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A	
Flam. Liq. 2	Flammable liquids, Category 2	
Flam. Liq. 3	Flammable liquids, Category 3	
Skin Irrit. 2	Skin corrosion/irritation, Category 2	
Skin Sens. 1	Skin sensitisation, Category 1	
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2	
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation	
H225	Highly flammable liquid and vapour	
H226	Flammable liquid and vapour	
H303	May be harmful if swallowed	
H304	May be fatal if swallowed and enters airways	
H312	Harmful in contact with skin	
H315	Causes skin irritation	
H317	May cause an allergic skin reaction	
H319	Causes serious eye irritation	
H332	Harmful if inhaled	
H335	May cause respiratory irritation	
H373	May cause damage to organs through prolonged or repeated exposure	
H412	Harmful to aquatic life with long lasting effects	

### Safety Data Sheet

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