Safety Data Sheet

according to the Hazardous Substances and New Organisms Act (1996) Issue date: 8/1/2023 Version: 1.0

SECTION 1: Identification	
1.1 Product identifier	
Trade name Product form Type of product Product code	 RAPTOR ENGINE ENAMEL GLOSS BLACK Mixture Coatings and paints, thinners, paint removers REEGB/AL
1.2 Other means of identification	
No additional information available	
1.3 Recommended use of the chemica	al and restrictions on use
Recommended use	: Coatings and paints, thinners, paint removers
1.4 Details of manufacturer or importe	r
Distributor U-POL New Zealand Limited Ltd c/o Lindsay & Associates Unit H, 12 Amera Pla Manukau City Auckland 2013 New Zealand T + 612 4731 2655 / 027 630 3691 - F + 612 4 info@u-pol.co.nz - www.u-pol.com	
1.5. Emergency phone number	
Emergency number	: Australia (CHEMTREC): + (61) - 290372994
SECTION 2: Hazard identification 2.1. Classification of the hazardous ch	nemical
HSNO Approval Number	: HSR002517
Classification according to the Environmer Aerosol, Category 1 Serious eye damage/eye irritation, Category 2 Specific target organ toxicity – Single exposur Specific target organ toxicity – Repeated expo	e, Category 3, Narcosis H336
2.2. GHS Label elements, including pr	ecautionary statements
GHS NZ labelling	
Hazard pictograms (GHS NZ)	
Signal word (GHS NZ)	: Danger
Contains Hazard statements (GHS NZ)	 methyl acetate (23 – 43 %); Xylene (< 23 %); n-butyl acetate (< 5 %) H222 - Extremely flammable aerosol H319 - Causes serious eye irritation H336 - May cause drowsiness or dizziness H222 - May cause drowsines to expect a property of the prop
Precautionary statements	 H373 - May cause damage to organs through prolonged or repeated exposure 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.
Prevention	 P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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	 P211 - Do not spray on an open flame or other ignition source. P251 - Do not pierce or burn, even after use. P260 - Do not breathe fume, spray, vapours. P264 - Wash hands thoroughly after handling. P271 - Use only outdoors or in a well-ventilated area. P280 - Wear eve protection, protective clothing, protective gloves.
Response	 P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P314 - Get medical advice if you feel unwell. P337+P313 - If eye irritation persists: Get medical advice.
Storage	 P403+P233 - Store in a well-ventilated place. Keep container tightly closed. P405 - Store locked up. P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C.
Disposal	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

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to GHS NZ
methyl acetate	CAS-No.: 79-20-9	23 – 43	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
Xylene	CAS-No.: 1330-20-7	< 23	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Inhalation:vapour), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Acute 2, H401

SECTION 4: First-aid measures

4.1. Description of necessary first-aid	measures
First-aid measures general First-aid measures after inhalation First-aid measures after skin contact	 Call a poison center or a doctor if you feel unwell. Remove person to fresh air and keep comfortable for breathing. Wash skin with plenty of water.
First-aid measures after eye contact First-aid measures after ingestion	 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. Call a poison center or a doctor if you feel unwell.
4.2. Symptoms caused by exposure	
Symptoms/effects Symptoms/effects after eye contact	May cause drowsiness or dizziness.Eye irritation.

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4.3. Medical attention and special treatment	nt
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 cher	nical
Fire hazard Explosion hazard Hazardous decomposition products in case of fire	Extremely flammable aerosol.Pressurised container: May burst if heated.Toxic fumes may be released.
5.3. Special protective equipment and pred	cautions for fire-fighters
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures		
6.1. Personal precautions, protectiv	ve equipment and emergency procedures	
No additional information available		
6.1.1. For non-emergency personnel		
Emergency procedures	: Ventilate spillage area. No open flames, no sparks, and no smoking. Do not breathe fume, spray, vapours. 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 contain	ment and cleaning up	
Methods for cleaning up	: Mechanically recover the product.	
SECTION 7: Handling and storage		

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7.1. Precautions for safe handling	
Precautions for safe handling	: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Do not breathe fume, spray, vapours. Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes. Wear personal protective equipment.
Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2. Conditions for safe storage, includ	ing any incompatibilities
Storage conditions	: Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F. Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.

SECTION 8: Exposure controls and personal protection

8.1. Control parameters - exposure standards

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Xylene (1330-20-7)		
New Zealand - Occupational Exposure Limits		
Local name	Xylene (Dimethylbenzene)	
WES-TWA (OEL TWA) [1]	217 mg/m ³	
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	
methyl acetate (79-20-9)		
New Zealand - Occupational Exposure Limits		
Local name	Methyl acetate	
WES-TWA (OEL TWA) [1]	606 mg/m ³	
WES-TWA (OEL TWA) [2]	200 ppm	
WES-STEL (OEL STEL)	757 mg/m³	
WES-STEL (OEL STEL) [ppm]	250 ppm	
Regulatory reference	Workplace Exposure Standards and Biological Exposure Indices, 12th Edition	

Exposure limit values for the other components

No additional information available

8.2. Monitoring methods

No additional information available

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)		
Hand protection	: Protective gloves	
Eye protection	: Safety glasses	
Skin and body protection	: Wear suitable protective clothing	
Respiratory protection	: In case of insufficient ventilation, wear suitable respiratory equipment	
Deve and protective equipment cumbel		

Personal protective equipment symbol(s)



Environmental exposure controls

: Avoid release to the environment.

Physical state	: Liquid
Appearance	: Liquid.
Colour	: Black
Odour	: characteristic
Odour threshold	: No additional information available
рН	: No additional information available
Evaporation rate	: No additional information available
Relative evaporation rate (butylacetate=1)	: No data available

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Melting point / Freezing point	: No additional information available
Boiling point	: No data available
Flash point	: -41 °C
Auto-ignition temperature	: No data available
Flammability	: Extremely flammable aerosol.
Vapour pressure	: No additional information available
Relative density	: No additional information available
Density	: Density: 0.811 g/cm ³
Solubility	: No additional information available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: Pressurised container: May burst if heated.
Explosive limits	: No additional information available
Minimum ignition energy	: No data available
VOC content	: 677 g/l

SECTION 10: Stability and reactive	/ity
Reactivity	: Extremely flammable aerosol. Pressurised container: May burst if heated.
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 information		
11.1. Toxicity		
Acute toxicity (oral) Acute toxicity (dermal) Acute toxicity (inhalation)	: Not classified : Not classified : Not classified	
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)	
methyl acetate (79-20-9)		
LD50 oral rat	6482 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 401 (Acute Oral Toxicity)	
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: EU Method B.3 (Acute Toxicity (Dermal)), Guideline: OECD Guideline 402 (Acute Dermal Toxicity)	
LC50 Inhalation - Rat	49 mg/l	
Skin corrosion/irritation	: Not classified	
Serious eye damage/irritation	: Causes serious eye irritation.	
Respiratory or skin sensitisation	: Not classified	
Germ cell mutagenicity	: Not classified	
Carcinogenicity	: Not classified	
Reproductive toxicity	: Not classified	

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STOT-single exposure :	May cause drowsiness or dizziness.
Xylene (1330-20-7)	
STOT-single exposure	May cause respiratory irritation.
methyl acetate (79-20-9)	
STOT-single exposure	May cause drowsiness or dizziness.
STOT-repeated exposure :	May cause damage to organs through prolonged or repeated exposure.
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.
methyl acetate (79-20-9)	
LOAEC (inhalation, rat, vapour, 90 days)	2000 mg/l
NOAEC (inhalation, rat, vapour, 90 days)	1057 mg/m³
Aspiration hazard :	Not classified
RAPTOR ENGINE ENAMEL GLOSS BLACK	
Vaporizer	Aerosol
Xylene (1330-20-7)	
Viscosity, kinematic	0.74 mm²/s (20 °C)
Hydrocarbon	Yes
methyl acetate (79-20-9)	
Viscosity, kinematic	No data available in the literature

SECTION 12: Ecological information

12.1. Ecotoxicity

Ecology - general		The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute)	: 1	Not classified
Hazardous to the aquatic environment, long-term (chronic)	: 1	Not classified
Soil toxicity	: 1	Not classified
Terrestrial vertebrate toxicity	: 1	Not classified
Terrestrial invertebrate toxicity	: 1	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
EC50 72h - Algae [1]		2.2 mg/l
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)

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Xylene (1330-20-7)	Xylene (1330-20-7)		
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)		
LD50 dermal rabbit	12126 mg/kg bodyweight Animal: rabbit, Animal sex: male		
	12126 mg/kg (Non-GLP, read-across from supporting substance, single dermal dose under occlusion followed by observation for 14 days)		
LD50 oral rat	> 4000 mg/kg bodyweight (Equivalent or similar to EU Method B.1, Rat, Female, Experimental value, Oral, 14 day(s))		
methyl acetate (79-20-9)			
LC50 - Fish [1]	250 – 350 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)		
EC50 - Crustacea [1]	1026.7 mg/l Test organisms (species): Daphnia magna		
EC50 72h - Algae [1]	> 120 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)		
BCF - Fish [1]	< 1 (Pisces, Literature study)		
Partition coefficient n-octanol/water (Log Pow)	0.18 (Experimental value, 20 °C)		
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0.18 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value, GLP)		
	> 2000 mg/kg bodyweight Animal: rat, Guideline: EU Method B.3 (Acute Toxicity (Dermal)), Guideline: OECD Guideline 402 (Acute Dermal Toxicity)		
LD50 oral rat	6482 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 401 (Acute Oral Toxicity)		

12.2. Persistence and degradability

RAPTOR ENGINE ENAMEL GLOSS BLACK		
Persistence and degradability	No additional information available	
Xylene (1330-20-7)		
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.	
methyl acetate (79-20-9)		
Persistence and degradability	Readily biodegradable in water.	

12.3. Bioaccumulative potential

RAPTOR ENGINE ENAMEL GLOSS BLACK		
Bioaccumulative potential	No additional information available	
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).	
methyl acetate (79-20-9)		
BCF - Fish [1]	< 1 (Pisces, Literature study)	

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methyl acetate (79-20-9)		
Partition coefficient n-octanol/water (Log Pow)	0.18 (Experimental value, 20 °C)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0.18 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value, GLP)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).	

12.4. Mobility in soil

RAPTOR ENGINE ENAMEL GLOSS BLACK		
Mobility in soil	No additional information available	
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)	2.73 (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.	
methyl acetate (79-20-9)		
Surface tension	24 mN/m (20 °C)	
Partition coefficient n-octanol/water (Log Pow)	0.18 (Experimental value, 20 °C)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0.18 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value, GLP)	
Ecology - soil	Highly mobile in soil.	
12.5. Other adverse effects		
Ozone : Other adverse effects :	Not classified No additional information available	

SECTION 13: Disposal considerations		

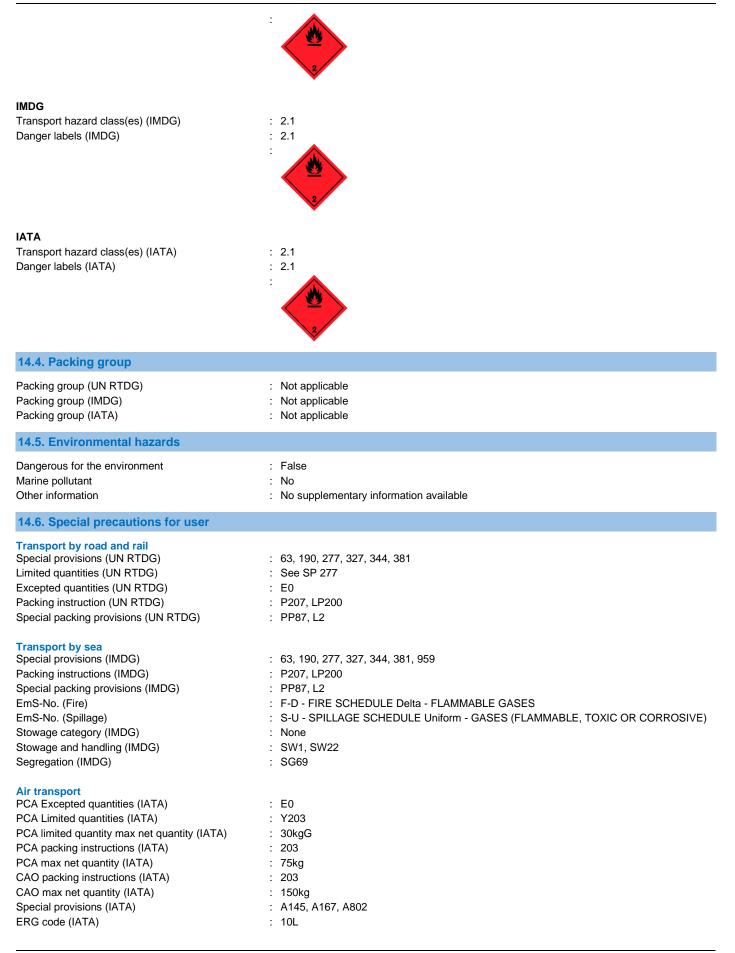
Waste treatment methods

: Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information	
14.1. UN number	
UN-No.(UN RTDG) UN-No. (IMDG) UN-No. (IATA)	: 1950 : 1950 : 1950
14.2. UN Proper Shipping Name	
Proper Shipping Name (UN RTDG) Proper Shipping Name (IMDG) Proper Shipping Name (IATA)	: AEROSOLS : AEROSOLS : Aerosols, flammable
14.3. Transport hazard class(es)	
UN RTDG Transport hazard class(es) (UN RTDG) Danger labels (UN RTDG)	: 2.1 : 2.1

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14.7. Transport in bulk according to IMO instruments Not applicable 14.8. Hazchem or Emergency Action Code Not applicable **SECTION 15: Regulatory information** 15.1. Safety, health and environmental regulations specific for the product in question Hazardous Substances and New Organisms Act : HSR002517 HSNO Approval Number Group standard : Aerosols Xylene (1330-20-7) Hazardous Substances and New Organisms Act HSR000983 HSNO Approval Number methyl acetate (79-20-9) Hazardous Substances and New Organisms Act HSNO Approval Number HSR001188 15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Issue date :	8/1/2023
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
Aerosol 1	Aerosol, Category 1
Aquatic Acute 2	Hazardous to the aquatic environment – Acute Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation
H222	Extremely flammable aerosol
H225	Highly flammable liquid and vapour
H226	Flammable liquid and vapour

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Full text of H-statements	
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
H315	Causes skin irritation
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H373	May cause damage to organs through prolonged or repeated exposure
H401	Toxic to aquatic life

Safety Data Sheet (SDS), New Zealand

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.