

Provides critical information on hazardous substances or mixtures.

1.1 COMPANY IDENTIFICATION

Company's Name	Trulux Pty Ltd
Email Address	info@trulux.com.au
Website	www.trulux.com.au
Contact Number	+61 (02) 5566 0566
Address	C3/ 1-3 Rodborough Rd, Frenchs Forest, NSW, 2086, Australia

1.2 PRODUCTION IDENTIFICATION

Raw Material	Pemulen EZ-4U
SKU	RMTR-0563A

1.3 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

Identified uses	Cosmetic Raw Materials
Uses advised against	None to our knowledge

1.4 DETAILS OF THE SUPPLIER OF THE SUBSTANCE INFORMATION SHEET

Supplier's Company	Trulux Pty Ltd
Website	www.trulux.com.au
Address	C3/ 1-3 Rodborough Rd, Frenchs Forest, NSW, 2086, Australia

1.5 EMERGENCY CONTACTS - INSTITUTION CENTRE

Australia	Poison Information Centre 13 11 26
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2 HAZARD IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

GHS classification Australia in accordance with Safe Work Australia	Hazardous to the aquatic environment - acute hazard, category 3 Hazardous to the aquatic environment - chronic hazard, category 3
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Labelling

Pictogram Code:	-
Signal Word:	-
Hazard Statement:	H402 Harmful to aquatic life H412 Harmful to aquatic life with long lasting effects
Precautionary Statement (Prevention)	P273 Avoid release to the environment.
Precautionary Statement (Response)	-
Storage	-

Disposal

P501 Dispose of contents/container in accordance with application regulations.

Additional Information

3 COMPOSITION/ INFORMATION ON INGREDIENTS

INCI Name	CAS No	Composition Range %	Classification of Ingredient in accordance with Safe Work Australia
Acrylates/C10-30 Alkyl Acrylate Crosspolymer	176429-87-1	100.00000	Not classified
Cyclohexane (residual solvent)	110-82-7	0.10 - 1.00	Flammable liquid, Cat 2 Skin irritation, Cat 2 Acute Toxicity (Aspiration), Cat 1 Hazardous to the aquatic environment (chronic), Cat 1 Hazardous to the aquatic environment (acute), Cat 1 Specific target organ toxicity (single exposure), Cat 3

4 FIRST AID MEASURES

If inhaled	Remove exposed person to fresh air if adverse effects are observed. If breathing is labored, administer oxygen. If breathing has stopped, apply artificial respiration.
In case of skin contact	Wash with soap and water. If skin irritation occurs, get medical attention.
In case of eye contact	Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. Water (moisture) swells this product into a gelatinous film which may be difficult to remove from the eye using only water.
Most important symptoms and effects, both acute and delayed (if relevant)	See section 11.
Indication of any immediate medical attention and special treatment needed	Treatment: Treat symptomatically.

5 FIRE FIGHTING MEASURES

Suitable extinguishing media	Use water spray, dry chemical or foam for extinction. CO2 may be ineffective on large fires.
Not suitable extinguishing media	No further information available.
Special hazards arising from the substance or mixture incompatibilities	See section 10 for additional information.
Specific and uses	Recommend wearing self-contained breathing apparatus.
Further information	No further information available.
General fire hazards:	Avoid hose stream or any method which will create dust clouds.
Special fire fighting procedures:	Material can form an explosive organic dust air mixture. As with all organic dusts, fine particles suspended in air in critical proportions and in the presence of an ignition source may ignite and/or explode.
	Dust may be sensitive to ignition by electrostatic discharge, electrical arcs, sparks, welding torches, cigarettes, open flame, or other significant heat sources.
	This product has a high volume resistivity and a propensity to build up static electricity which may be discharged as a spark. A spark can be an ignition source for solvent vapor/air mixtures.
	As a precaution, implement standard safety measures for handling finely divided organic powders. If you add this product to a solvent, ensure appropriate safe handling practices such as provision for inerting flammable vapors.
	Take care to minimize airborne dust. Solid does not readily release flammable vapors. This material has been evaluated and is considered to be a risk for dust explosion. It is categorized as Dust Explosion Class ST2.

Hazchem Code:

None.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions	Personal Protective Equipment must be worn, see Personal Protection Section for PPE recommendations.
Environmental precautions	Avoid release to the environment. Prevent further leakage or spillage if safe to do so.
Methods and material for containment and cleaning up:	Pick up free solid for recycle and/or disposal. Sweep up and place in a clearly labeled container for chemical waste.
	Avoid dust formation. Use wet sweeping compound or water to avoid raising a dust.
	Collect powder using special dust vacuum cleaner with particle filter or carefully sweep into closed container.

7 HANDLING AND STORAGE

Precautions for safe handling

General protective measures	Observe good industrial hygiene practices. Provide adequate ventilation. Wear appropriate personal protective equipment. Avoid environmental contamination.
Measures to prevent Fire	Avoid conditions which create dust. Avoid breathing dust.
	Avoid contact with eyes and prolonged or repeated contact with skin. Ground container and transfer equipment to eliminate static electric sparks.
	Keep away from heat, sparks and open flame. Avoid drinking, tasting, swallowing or ingesting this product. Practice good housekeeping.
Conditions for safe storage, including any incompatibilities	Keep containers closed when not in use. Store away from incompatible materials. See section 10 for incompatible materials. Store in a dry, wellventilated place.
Specific and uses	Cosmetic preparations

8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Controls (mixture)	See "Occupational Exposure Limits"
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Exposure Controls

General Engineering Measures	To prevent dust explosions employ bonding and grounding for operations capable of generating static electricity. Minimize dust generation and accumulation. Provide adequate ventilation.
General Industrial Hygiene Practices	Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.
	Wash thoroughly after handling. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking.
General Hand Protections Measurements	Suitable gloves can be recommended by the glove supplier. Use good industrial hygiene practices to avoid skin contact. If contact with the material may occur wear chemically protective gloves.
	Other: Long sleeve shirt is recommended.
General Eye Protection Measures	Use tight fitting goggles if dust is generated. Wear approved chemical safety glasses or goggles where eye exposure is reasonably probable.
Occupational exposure limits	
Chemical name:	Cyclohexane
	Type: STEL
	Exposure Limit Values: 300 ppm, 1,050 mg/m3

Source: Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A) (12 2011)

Type: TWA

Exposure Limit Values: 100 ppm, 350 mg/m³

Source: Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A) (12 2011)

Type: STEL

Exposure Limit Values: 300 ppm, 1,050 mg/m³

Source: Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment) (08 2005)

Type: TWA

Exposure Limit Values: 100 ppm, 350 mg/m³

Source: Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment) (08 2005)

Type: TWA

Exposure Limit Values: 100 ppm

Source: US. ACGIH Threshold Limit Values (02 2012)

Type: Maximum allowable concentration:

Exposure Limit Values: 200 ppm, 700 mg/m³

Source: Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG) (2011)

Type: Time Weighted Average (TWA):

Exposure Limit Values: 100 ppm, 350 mg/m³

Source: UK. EH40 Workplace Exposure Limits (WELs) (12 2011)

Type: Short Term Exposure Limit (STEL):

Exposure Limit Values: 300 ppm, 1,050 mg/m³

Source: UK. EH40 Workplace Exposure Limits (WELs) (12 2011)

Other exposure limits

Chemical name:

Modified acrylic polymer

Type: TWA

Exposure Limit Values: 0.05 mg/m³

Respiratory protection:

Under normal use conditions, respirator is not usually required. Use appropriate respiratory protection if exposure to dust particles, mist or vapors is likely.

Consult with an industrial hygienist to determine the appropriate respiratory protection for your specific use of this material.

A respiratory protection program compliant with all applicable regulations must be followed whenever workplace conditions require the use of a respirator.

9 PHYSICAL AND CHEMICAL PROPERTIES

Test Item	Comments	Unit of measurement	Specification (Lower)	Specification (Upper)
Physical state	Solid	-	Complies	Complies
Form	Powder	-	Complies	Complies
Colour	White	-	Complies	Complies
Odour	Slight acetic	-	Complies	Complies
Relative density	Estimated 1.4 (20 °C)	-	Complies	Complies
Solubility in Water	Material will swell in water.	-	Complies	Complies
Dust Explosion Description Number Kst	254 m.b_/s	-	Complies	Complies
Minimum ignition energy	50 mJ	-	Complies	Complies

10 STABILITY AND REACTIVITY

Reactivity	No further information available.
Chemical Stability	Material is stable under normal conditions.
Possibility of Hazardous	Will not occur.
Conditions to Avoid	Static discharge.
Incompatible Materials	Strong oxidizing agents.
Hazardous decomposition products:	Thermal decomposition or combustion may generate smoke, carbon monoxide, carbon dioxide, and other products of incomplete combustion.

11 TOXICOLOGICAL INFORMATION

Acute oral toxicity - Product:	Not classified for acute toxicity based on available data. May cause irritation of the gastrointestinal tract.
Acute Dermal Toxicity - Product:	Not classified for acute toxicity based on available data.
Acute inhalation toxicity - Product:	Avoid inhalation of dust. Animal studies indicate the inhalation of respirable polyacrylate dust may cause inflammatory changes in the lung. Persons with sensitive airways (e.g., asthmatics) may react to vapors. Breathing of dust may cause coughing, mucous production, and shortness of breath.
Skin corrosion/irritation - Product:	Not classified as a primary skin irritant. Prolonged or repeated contact may cause irritation.
Serious eye damage/eye irritation - Product:	Remarks: Not classified as a primary eye irritant. Remarks: Particles in the eyes may cause irritation and smarting.
Skin sensitization - Component: Cyclohexane:	Classification: Not a skin sensitizer. (Literature) Not a skin sensitizer.
Aspiration Hazard - Component: Cyclohexane:	Material can be aspirated into the lungs during the act of swallowing or vomiting. This could result in severe injury to the lungs and death.
Other effects - Product:	This material readily absorbs moisture and may become thick and gelatinous upon contact with mucous membranes of the eye, or upon inhalation into the nasal passages.
Germ Cell Mutagenicity - Cyclohexane:	This material has not exhibited mutagenic or genotoxic potential in laboratory tests.
Specific Target Organ Toxicity - Repeated Exposure - Product:	A two-year inhalation study in rats exposed to a respirable, waterabsorbent sodium polyacrylate dust resulted in lung effects such as inflammation, hyperplasia, and tumors. There were no observed adverse effects at exposures of 0.05 mg/m ³ . In addition, long-term medical monitoring of potentially exposed workers has not revealed lung effects such as those observed in the rat. However, the inhalation of respirable dusts should be avoided by implementing respiratory protection measures and observing the recommended permissible exposure limit of 0.05 mg/m ³ .

12 ECOLOGICAL INFORMATION

Ecotoxicity	
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Fish - Cyclohexane:	LC 50 (Fathead Minnow, 4 d): 4.5 mg/l
Aquatic Invertebrates - Cyclohexane:	EC 50 (Water flea (Daphnia magna), 2 d): 0.9 mg/l
Toxicity to Aquatic Plants - Cyclohexane:	EC 50 (Green algae (Selenastrum capricornutum), 3 d): 9.317 mg/l

Persistence and degradability

Biodegradation - Cyclohexane:	OECD TG 301 F, 77 %, 28 d Miscellaneous, 9 %, 28 d, Not readily degradable.
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Partition Coefficient n-octanol / water (log Kow) - Cyclohexane:	Log Kow: 3.44 (Measured)
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13 DISPOSAL CONSIDERATIONS

Disposal instructions:	Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations. Dispose of packaging or containers in accordance with local, regional, national and international regulations. Empty container contains product residue which may exhibit hazards of product.
Contaminated packaging:	Container packaging may exhibit hazards.

14 TRANSPORT INFORMATION

Land transport - DOT	No further information available.
Sea transport - IMDG	Not regulated.
Air transport - IATA/ICAO	Not regulated.
ADG:	Not regulated.

15 REGULATORY AND OTHER INFORMATION

SUSMP	Schedules	AICIS
Not scheduled	-	Compliant

Legend

AICIS Listed: All CAS declared ingredients are on the inventory
 AICIS Complies: One or more of the CAS listed ingredients are exempt from listing
 AICIS Not listed: One or more of the CAS listed ingredients are not on the inventory and are not exempt from listing
 SUSMP Schedule: Please note that some schedules have exemptions according to the use of the material. Please follow relevant regulations/ requirements.

16 OTHER INFORMATION

When handled properly by qualified personnel, the product described herein does not present a significant health or safety hazard. Alteration of its characteristics by concentration, evaporation, addition or other substances, or other means may present hazards not specifically addressed herein and which must be evaluated by the user. This sheet completes the technical sheets but it does not replace them. The information furnished herein is believed to be accurate and represents the best data currently available to us. No warranty, expressed or implied is made and Trulux Pty Ltd assumes no legal responsibility or liability whatsoever resulting from its use. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product. This listing must not be considered exhaustive. It does exonerate the user from ensuring that other legal obligations than those mentioned do not exist, relating to the use and storage of the product for which he solely is responsible. The information and recommendations contained herein are to the best of the manufacturer's knowledge and belief accurate and reliable as of the date indicated. No representation warranty or guarantee, however, is made with regard to accuracy, reliability or completeness. Conditions of use of the material are under the control of the user; therefore, it is the user's responsibility to satisfy itself as to the suitability and completeness of such information for its own particular use.

Issue Date 01-Dec-2021

Revision Date 12-Apr-2023

Version 03