TRULUX SAFETY DATA SHEET

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	ISOHEXADECANE
SKU	RMTR-0406C

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

2 HAZARD IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

GHS classification Australia in accordance with Safe Work Australia	Not classified as hazardous according to Safe Work Australia

Labelling

Pictogram Code:	-
Signal Word:	-
Hazard Statement:	-
Precautionary Statement (Prevention)	-
Precautionary Statement (Response)	-
Storage	-

Disposal	-

Additional Information

3 COMPOSITION/ INFORMATION ON INGREDIENTS

INCI Name	CAS No	Comments	Composition Range %	Classification of Ingredient in accordance with Safe Work Australia
Isohexadecane	4390-04-9 / 93685-80-4		100.0	Not classified

4 FIRST AID MEASURES

If inhaled	If fumes or combustion products are inhaled remove from contaminated area. Lay patient down. Keep warm and rested. Prostheses such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid procedures. Apply artificial respiration if not breathing, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if necessary. Transport to hospital, or doctor.
In case of skin contact	Immediately remove all contaminated clothing, including footwear. Flush skin and hair with running water (and soap if available). Seek medical attention in event of irritation.
In case of eye contact	Wash out immediately with fresh running water. Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids. Seek medical attention without delay; if pain persists or recurs seek medical attention. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.
Most important symptoms and effects, both acute and delayed (if relevant)	No further information available.
Indication of any immediate medical attention and special treatment needed	Treat symptomatically. Any material aspirated during vomiting may produce lung injury. Therefore emesis should not be induced mechanically or pharmacologically. Mechanical means should be used if it is considered necessary to evacuate the stomach contents; these include gastric lavage after endotracheal intubation. If spontaneous vomiting has occurred after ingestion, the patient should be monitored for difficult breathing, as adverse effects of aspiration into the lungs may be delayed up to 48 hours.

5 FIRE FIGHTING MEASURES

Suitable extinguishing media	Foam. Dry chemical powder. BCF (where regulations permit). Carbon dioxide. Water spray or fog - Large fires only.
Not suitable extinguishing media	No further information available.
Special hazards arising from the substance or mixture incompatibilities	Combustible. Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result. May emit poisonous fumes. May emit corrosive fumes. Slight fire hazard when exposed to heat or flame. Heating may cause expansion or decomposition leading to violent rupture of containers. On combustion, may emit toxic fumes of carbon monoxide (CO). May emit acrid smoke.

	Mists containing combustible materials may be explosive. Combustion products include: carbon dioxide (CO2), other pyrolysis products typical of burning organic material.
Specific and uses	Alert Fire Brigade and tell them location and nature of hazard. Wear full body protective clothing with breathing apparatus. Prevent, by any means available, spillage from entering drains or water course. Use water delivered as a fine spray to control fire and cool adjacent area. Avoid spraying water onto liquid pools. DO NOT approach containers suspected to be hot. Cool fire exposed containers with water spray from a protected location. If safe to do so, remove containers from path of fire.
Further information	No further information available.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions	See section 8.
Environmental precautions	See section 12.
Methods and material for containment and cleaning up	
Minor Spills:	Remove all ignition sources.
	Clean up all spills immediately.
	Avoid breathing vapours and contact with skin and eyes.
	Control personal contact with the substance, by using protective equipment.
	Contain and absorb spill with sand, earth, inert material or vermiculite.
	Wipe up.
	Place in a suitable, labelled container for waste disposal.
Major Spills:	Moderate hazard.
	Clear area of personnel and move upwind.
	Alert Fire Brigade and tell them location and nature of hazard.
	Wear breathing apparatus plus protective gloves.
	Prevent, by any means available, spillage from entering drains or water course.
	No smoking, naked lights or ignition sources.
	Increase ventilation.
	Stop leak if safe to do so.
	Contain spill with sand, earth or vermiculite.
	Collect recoverable product into labelled containers for recycling.
	Absorb remaining product with sand, earth or vermiculite.
	Collect solid residues and seal in labelled drums for disposal.
	Wash area and prevent runoff into drains.
	If contamination of drains or waterways occurs, advise emergency services.

7 HANDLING AND STORAGE

Precautions for safe handling

General protective measures	Avoid all personal contact, including inhalation. Wear protective clothing when risk of exposure occurs. Use in a well-ventilated area. Prevent concentration in hollows and sumps. DO NOT enter confined spaces until atmosphere has been checked. Avoid contact with incompatible materials. When handling, DO NOT eat, drink or smoke. Keep containers securely sealed when not in use. Avoid physical damage to containers. Always wash hands with soap and water after handling. Use good occupational work practice. DO NOT allow clothing wet with material to stay in contact with skin. Work clothes should be laundered separately. Avoid smoking, naked lights or ignition sources. Containers, even those that have been emptied, may contain explosive vapours. Do NOT cut, drill, grind, weld or perform similar operations on or near containers. Electrostatic discharge may be generated during pumping - this may result in fire. Ensure electrical continuity by bonding and grounding (earthing) all equipment. Restrict line velocity during pumping in order to avoid generation of electrostatic discharge (<=1 m/sec until fill pipe submerged to twice its diameter, then <= 7 m/sec). Avoid splash filling. Do NOT use compressed air for filling discharging or handling operations.
Measures to prevent Fire	No further information available.
Conditions for safe storage, including any incompatibilities	Storage incompatibility: Avoid reaction with oxidising agents. Store in original containers. Keep containers securely sealed. Store in a cool, dry, well-ventilated area. Store away from incompatible materials and foodstuff containers. Suitable container: Metal can or drum. Packaging as recommended by manufacturer. Check all containers are clearly labelled and free from leaks. No smoking, naked lights or ignition sources.
Specific and uses	Cosmetic preparations

8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Controls (mixture)	No further information available.

Exposure Controls

General Engineering Measures	Air contaminants generated in the workplace possess varying "escape" velocities which, in turn, determine the "capture velocities" of fresh circulating air required to effectively remove the contaminant. Local exhaust ventilation usually required. If risk of overexposure exists, wear approved respirator. Correct fit is essential to obtain adequate protection. Supplied-air type respirator may be required in special circumstances. Correct fit is essential to ensure adequate protection. An approved self contained breathing apparatus (SCBA) may be required in some situations. Provide adequate ventilation in warehouse or closed storage area.
General Industrial Hygiene Practices	See section 7.
General Hand Protections Measurements	Wear chemical protective gloves, e.g. PVC. Wear safety footwear or safety gumboots, e.g. Rubber

General Eye Protection Measures	Safety glasses with side shields. Chemical goggles.
Respiratory protection:	Type A Filter of sufficient capacity. (AS/NZS 1716 & 1715, EN 143:2000 & 149:2001, ANSI Z88 or national equivalent).
Other protection:	Overalls. P.V.C apron. Barrier cream. Skin cleansing cream. Eye wash unit.

9 PHYSICAL AND CHEMICAL PROPERTIES

Test Item	Comments	Unit of measurement	Specification (Lower)	Specification (Upper)
Appearance	Clear colourless liquid; does not mix with water.	-	Complies	Complies
Physical state	Liquid	-	Complies	Complies
Relative density (Water = 1)	@20C	-	0.78	0.79
Melting point / freezing point	-70 °C (freezing pt.)	-	Complies	Complies
Initial boiling point and boiling range	-	°C	210.0	250.0
Flash point	CC	°C	80.0	-
Flammability	Combustible.	-	Complies	Complies
Upper Explosive Limit	4.7 %	-	Complies	Complies
Lower Explosive Limit	0.6 %	-	Complies	Complies
Vapour pressure (kPa)	Negligible	-	Complies	Complies
Solubility in water	Immiscible	-	Complies	Complies
Auto-ignition temperature	400 °C	-	Complies	Complies

10 STABILITY AND REACTIVITY

Reactivity	No further information available.
Chemical Stability	Unstable in the presence of incompatible materials. Product is considered stable. Hazardous polymerisation will not occur.
Possibility of Hazardous	No further information available.
Conditions to Avoid	No further information available.
Incompatible Materials	No further information available.

11 TOXICOLOGICAL INFORMATION

Inhaled:	Inhalation of aerosols (mists, fumes), generated by the material during the course of normal handling, may be harmful.
Ingestion:	Accidental ingestion of the material may be damaging to the health of the individual. Swallowing of the liquid may cause aspiration into the lungs with the risk of chemical pneumonitis; serious consequences may result. (ICSC13733) Isoparaffinic hydrocarbons cause temporary lethargy, weakness, inco-ordination and diarrhoea.

Skin Contact:	Open cuts, abraded or irritated skin should not be exposed to this material. There is some evidence to suggest that this material can cause inflammation of the skin on contact in some persons. The material may accentuate any pre-existing dermatitis condition. Entry into the blood-stream, through, for example, cuts, abrasions or lesions, may produce systemic injury with harmful effects. Examine the skin prior to the use of the material and ensure that any external damage is suitably protected.
Eye:	There is some evidence to suggest that this material can cause eye irritation and damage in some persons. Instillation of isoparaffins into rabbit eyes produces only slight irritation.
Chronic:	Substance accumulation, in the human body, may occur and may cause some concern following repeated or long-term occupational exposure.
Acute toxicity - Product:	Oral (Rat) LD50: >2000 mg/kg
Toxicity - 2,2,4,4,6,8,8- heptamethylnonane	dermal (rat) LD50: >2000 mg/kg Inhalation(Rat) LC50; >5.266 mg/L4 Oral(Rat) LD50; >58.512 mg/kg
Irritation - 2,2,4,4,6,8,8- heptamethylnonane	Eye: no adverse effect observed (not irritating). Skin: no adverse effect observed (not irritating)

12 ECOLOGICAL INFORMATION

Toxicity - 2,2,4,4,6,8,8- heptamethylnonane	Species: Fish Endpoint: BCF Test Duration (hr): 1344 Value: 4.723.7 Source: 7
	DO NOT discharge into sewer or waterways.
Persistence and degradability	Persistence: Water/Soil - High Persistence: Air - High Ingredient: 2,2,4,4,6,8,8- heptamethylnonane
Bioaccumulative Potential	Ingredient: 2,2,4,4,6,8,8- heptamethylnonane Bioaccumulation: LOW (BCF = 176)
Mobility in soil	Ingredient: 2,2,4,4,6,8,8- heptamethylnonane Mobility: LOW (KOC = 17520)

13 DISPOSAL CONSIDERATIONS

Product / Packaging disposal:	DO NOT allow wash water from cleaning or process equipment to enter drains. In all cases disposal to sewer may be subject to local laws and regulations and these should be considered first. Where in doubt contact the responsible authority. Recycle wherever possible or consult manufacturer for recycling options. Consult State Land Waste Authority for disposal. Bury or incinerate residue at an approved site. Recycle containers if possible, or dispose of in an authorised landfill. It may be necessary to collect all wash water for treatment before disposal.

14 TRANSPORT INFORMATION

Land transport - DOT	No further information available.
Sea transport - IMDG	Not regulated for transport of dangerous goods.
Air transport - IATA/ICAO	Not regulated for transport of dangerous goods.
Labels Required:	COMBUSTIBLE LIQUID, regulated for storage purposes only
	Marine Pollutant: No
	HAZCHEM: Not Applicable

Land transport (ADG):	Not regulated for transport of dangerous goods.

15 REGULATORY AND OTHER INFORMATION

SUSMP	Schedules	AICIS
Not scheduled	-	Listed

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.

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