

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	Potassium Cetyl Phosphate
SKU	RMTR-0187B

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

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	Composition Range %	Classification of Ingredient in accordance with Safe Work Australia
Potassium Cetyl Phosphate	90506-45-9 / 19035-79-1	50.0 - 100.0	Not classified

4 FIRST AID MEASURES

If inhaled	<p>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.</p>
In case of skin contact	<p>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.</p>
In case of eye contact	<p>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. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Immediately hold eyelids apart and flush the eye continuously with running water. Transport to hospital or doctor without delay.</p>
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.

5 FIRE FIGHTING MEASURES

Suitable extinguishing media	Water spray or fog. Foam. Dry chemical powder. BCF (where regulations permit). Carbon dioxide.
Not suitable extinguishing media	No further information available.
Special hazards arising from the substance or mixture incompatibilities	<p>Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result. Combustible solid which burns but propagates flame with difficulty. Combustion products include: carbon monoxide (CO), carbon dioxide (CO₂), phosphorus oxides (PO_x), metal oxides, other pyrolysis products typical of burning organic material.</p>
Specific and uses	<p>Use water delivered as a fine spray to control fire and cool adjacent area. 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. Wear breathing apparatus plus protective gloves.</p>
Further information	HAZCHEM: 2Z

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 contact with skin and eyes.
	Control personal contact with the substance, by using protective equipment.
	Use dry clean up procedures and avoid generating dust.
	Place in a suitable, labelled container for waste disposal.
	Environmental hazard - contain spillage.
Major Spills:	Environmental hazard - contain spillage.
	Moderate hazard.
	CAUTION: Advise personnel in area.
	Alert Emergency Services and tell them location and nature of hazard.
	Control personal contact by wearing protective clothing.
	Prevent, by any means available, spillage from entering drains or water courses.
	Recover product wherever possible.
	IF DRY: Use dry clean up procedures and avoid generating dust. Collect residues and place in sealed plastic bags or other containers for disposal.
	IF WET: Vacuum/shovel up and place in labelled containers for disposal.
	ALWAYS: Wash area down with large amounts of water 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	<p>Wear protective clothing when risk of exposure occurs.</p> <p>Use in a well-ventilated area.</p> <p>DO NOT enter confined spaces until atmosphere has been checked.</p> <p>DO NOT allow material to contact humans, exposed food or food utensils.</p> <p>Avoid contact with incompatible materials.</p> <p>When handling, DO NOT eat, drink or smoke.</p> <p>Keep containers securely sealed when not in use.</p> <p>Avoid physical damage to containers.</p> <p>Always wash hands with soap and water after handling.</p> <p>Use good occupational work practice.</p> <p>Do NOT cut, drill, grind or weld such containers.</p>
Measures to prevent Fire	<p>Minimise airborne dust and eliminate all ignition sources. Keep away from heat, hot surfaces, sparks, and flame.</p> <p>Remove dust accumulations on a regular basis by vacuuming or gentle sweeping to avoid creating dust clouds.</p> <p>Do not empty directly into flammable solvents or in the presence of flammable vapors.</p>

Conditions for safe storage, including any incompatibilities

Store in original containers. Keep containers securely sealed.
Store away from incompatible materials and foodstuff containers.
Avoid reaction with oxidising agents.
Store in a cool, dry area protected from environmental extremes.
Suitable container: Glass container is suitable for laboratory quantities. Polyethylene or polypropylene container. Check all containers are clearly labelled and free from leaks.

Specific and uses

Cosmetic preparations

8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Controls (mixture)

Occupational Exposure Banding
Occupational Exposure Band Rating: E
Occupational Exposure Band Limit: $\leq 0.01 \text{ mg/m}^3$
Ingredient: potassium cetyl phosphate

Exposure Controls

General Engineering Measures

Process controls which involve changing the way a job activity or process is done to reduce the risk.
Local exhaust ventilation is required where solids are handled as powders or crystals; even when particulates are relatively large, a certain proportion will be powdered by mutual friction. Exhaust ventilation should be designed to prevent accumulation and recirculation of particulates in the workplace.

General Industrial Hygiene Practices

See section 7.

General Hand Protections Measurements

Gloves should be examined for wear and/ or degradation constantly.

General Eye Protection Measures

Safety glasses with side shields.
Chemical goggles.

Respiratory protection:

Type -P 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	White to off-white powder, practically odourless to weak fatty odour; soluble in water.	-	Complies	Complies
Physical state	Divided Solid	-	Complies	Complies
Melting point / freezing point	-	°C	161.0	166.0
Flash point	-	°C	100.0	-
Solubility in water	Miscible	-	Complies	Complies
Molecular weight	361.52 g/mol	-	Complies	Complies
pH as a solution	1%	-	6.5	8.5

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:	The material is not thought to produce respiratory irritation (as classified by EC Directives using animal models). Nevertheless inhalation of dusts, or fumes, especially for prolonged periods, may produce respiratory discomfort and occasionally, distress. Inhalation of dusts, generated by the material during the course of normal handling, may be damaging to the health of the individual.
Ingestion:	Accidental ingestion of the material may be damaging to the health of the individual. Ingestion of anionic surfactants/ hydrotropes may produce diarrhoea, intestinal distension and occasional vomiting. Lethal doses in animals range from 1 to 5 gm/kg.
Skin Contact:	Repeated exposure may cause skin cracking, flaking or drying following normal handling and use.
Eye:	When applied to the eye(s) of animals, the material produces severe ocular lesions which are present twenty-four hours or more after instillation. Direct eye contact with some concentrated anionic surfactants/ hydrotropes produces corneal damage, in some cases severe. Low concentrations may produce immediate discomfort, conjunctival hyperaemia, and oedema of the corneal epithelium. Healing may take several days. Temporary clouding of the cornea may occur.
Chronic:	Exposure to the material may cause concerns for humans owing to possible developmental toxic effects.
Toxicity - potassium cetyl phosphate	dermal (rat) LD50: >2000 mg/kg Oral (Rat) LD50: >2000 mg/kg

12 ECOLOGICAL INFORMATION

Toxicity - potassium cetyl phosphate	Endpoint: LC50 Test Duration (hr): 96h Species: Fish Source: 2 Value: >100mg/l
	Source: 2 Endpoint: EC50 Species: Algae or other aquatic plants Test Duration (hr): 72h Value: >100mg/l
	Source: 2 Endpoint: EC50 Test Duration (hr): 48h Species: Crustacea Value: 3858mg/l
	Source: 2 Species: Algae or other aquatic plants Endpoint: NOEC(ECx) Test Duration (hr): 72h Value: >10.9mg/l

13 DISPOSAL CONSIDERATIONS

Product / Packaging disposal:

A Hierarchy of Controls seems to be common - the user should investigate:

- Reduction
- Reuse
- Recycling
- Disposal (if all else fails)

Legislation addressing waste disposal requirements may differ by country, state and/ or territory. Each user must refer to laws operating in their area. In some areas, certain wastes must be tracked.

This material may be recycled if unused, or if it has not been contaminated so as to make it unsuitable for its intended use. Shelf life considerations should also be applied in making decisions of this type.

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.

It may be necessary to collect all wash water for treatment before disposal.

Note that properties of a material may change in use, and recycling or reuse may not always be appropriate. In most instances the supplier of the material should be consulted.

14 TRANSPORT INFORMATION

Land transport - DOT	See below.
Sea transport - IMDG	See below.
Air transport - IATA/ICAO	See below.
Hazchem Code:	2Z
Land transport (ADG):	
UN number:	3077
UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains potassium cetyl phosphate)
Transport hazard class(es):	Class: 9
Packing group:	III
Environmental hazards:	Environmentally hazardous
Special precautions for user:	Special provisions: 274 331 335 375 AU01 Limited quantity: 5 kg
Environmentally Hazardous Substances meeting the descriptions of UN 3077 or UN 3082 are not subject to this Code when transported by road or rail in;	(a) packagings; (b) IBCs; or (c) any other receptacle not exceeding 500 kg(L). - Australian Special Provisions (SP AU01) - ADG Code 7th Ed.
Air transport (ICAO-IATA / DGR)	
UN number:	3077
UN proper shipping name:	Environmentally hazardous substance, solid, n.o.s. (contains potassium cetyl phosphate)
Transport hazard class(es):	ICAO/IATA Class: 9
	ERG Code: 9L
Packing group:	III
Environmental hazards:	Environmentally hazardous

Special precautions for user:	Special provisions: A97 A158 A179 A197 A215
	Cargo Only Packing Instructions: 956
	Cargo Only Maximum Qty / Pack: 400 kg
	Passenger and Cargo Packing Instructions: 956
	Passenger and Cargo Maximum Qty / Pack: 400 kg
	Passenger and Cargo Limited Quantity Packing Instructions: Y956
	Passenger and Cargo Limited Maximum Qty / Pack: 30 kg G
Sea transport (IMDG-Code / GGVSee)	
UN number:	3077
UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains potassium cetyl phosphate)
Transport hazard class(es):	IMDG Class: 9
Packing group:	III
Environmental hazards:	Marine Pollutant
Special precautions for user:	EMS Number: F-A, S-F
	Special provisions: 274 335 966 967 969
	Limited Quantities: 5 kg

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.

Issue Date 09-May-2023

Revision Date

09-May-2023

Version

01