

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 2 5566 0566 |

1.2 PRODUCT IDENTIFICATION

| | |
|-----------------|--------------------|
| Trade name: | Plantacare 2000 UP |
| SKU: | RMTR-0416A |
| Classification: | Refer to clause 2 |

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

| | |
|-----------------------|-----------------------------------|
| Identified uses: | Raw Material |
| Uses advised against: | No further information available. |

1.4 DETAILS OF THE SUPPLIER OF THE SUBSTANCE INFORMATION SHEET

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

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1.5 EMERGENCY CONTACTS - INSTITUTIONAL CENTRES

Australia

Poisons Information Centre 13 11 26

2 HAZARDS IDENTIFICATION

Classification of the substance and mixture:

Skin corrosion/irritation: Cat. 2

Serious eye damage/eye irritation: Cat. 1

Hazardous to the aquatic environment - acute: Cat. 3

Label elements and precautionary statement:

Pictogram:



Signal Word:

Danger

Hazard Statement:

H318 Causes serious eye damage.

H315 Causes skin irritation.

H402 Harmful to aquatic life.

Precautionary Statements (Prevention):

P280 Wear protective gloves and eye protection or face protection.

P273 Avoid release to the environment.

P264 Wash contaminated body parts thoroughly after handling.

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Precautionary Statements (Response):

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or physician.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P362 + P364 Take off contaminated clothing and wash it before reuse.

Precautionary Statements (Disposal):

P501 Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:

No specific dangers known, if the regulations/notes for storage and handling are considered.

3 COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical nature

Aqueous solution based on: Alkylpolyglycoside C10-16, Alkyl polyglycoside C8-10

Hazardous ingredients

| Ingredient Name | CAS Number | Classification | Concentration (%) |
|--|-------------|---|-------------------|
| D-Glucopyranose, oligomers, decyl octyl glycosides | 68515-73-1 | Eye Dam./Irrit.: Cat. 1 Aquatic Acute: Cat. 3 | 30 - 50 |
| Alkylpolyglycoside C10-16 | 110615-47-9 | Skin Corr./Irrit.: Cat. 2 Eye Dam./Irrit.: Cat. 1 Aquatic Acute: Cat. 2 | 20 - 30 |

4 FIRST AID MEASURES

General Advice:

If adverse health effects develop seek medical attention.

Ingestion:

Rinse mouth and then drink 200-300 ml of water.

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| Skin contact: | After contact with skin, wash immediately with plenty of water. |
| Eye contact: | Rinse immediately with plenty of running water (for 10 minutes), seek medical attention from a specialist. |

Note to physician:

Symptoms: Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11., (Further) symptoms and / or effects are not known so far.

Hazards: No hazard is expected under intended use and appropriate handling.

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5 FIRE FIGHTING MEASURES

| | |
|-------------------------------|---|
| Suitable extinguishing media: | Water spray, carbon dioxide, dry powder, foam. |
| Special hazards: | harmful vapours Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire. |
| Further information: | Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. |

6 ACCIDENTAL RELEASE MEASURES

| | |
|----------------------------|--|
| Personal precautions: | Use personal protective clothing. |
| Environmental precautions: | Do not discharge into drains/surface waters/groundwater. |

Methods for cleaning up or taking up:

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For small amounts

Pick up with suitable absorbent material.

For large amounts

Dike spillage. Pump off product.

Disposal

Dispose of absorbed material in accordance with regulations.

7 HANDLING AND STORAGE

Handling

Handle in accordance with good industrial hygiene and safety practice.

Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame.

Storage

Suitable materials for containers: High density polyethylene (HDPE)

Further information on storage conditions: Keep container tightly closed and dry; store in a cool place.

Below temperature limit the product properties will change. The property change is reversible by stirring and heating. Please refer to the product specific data sheet for further information.

Storage stability:

Storage temperature: 10 - 40 °C

Protect from temperatures below: 10 °C

Below the temperature limit, the product is no longer pumpable.

Protect from temperatures above: 40 °C

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8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Components with occupational exposure limits

No substance specific occupational exposure limits known.

Personal protective equipment

- | | |
|--|--|
| <ul style="list-style-type: none">● Hygiene Measures | Handle in accordance with good industrial hygiene and safety practice. No eating, drinking, smoking or tobacco use at the place of work. Handle in accordance with good industrial hygiene and safety practice. |
| <ul style="list-style-type: none">● Respiratory Protection | Respiratory protection not required. |
| <ul style="list-style-type: none">● Body Protection | Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust). |
| <ul style="list-style-type: none">● Hand Protection | Suitable are protective gloves with the following specification. The recommendation is valid for laboratory conditions, specific workplace conditions must be taken into consideration separately. Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1): nitrile rubber (NBR) - 0.4 mm coating thickness |
| <ul style="list-style-type: none">● Eye Protection | Tightly fitting safety goggles (splash goggles) (e.g. EN 166). |

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9 PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--------------------------------------|--|
| Form: | Liquid |
| Colour: | Yellowish |
| Odour: | Slight odour |
| Boiling Temperature: | > 212 °C |
| Flash Point: | 215 °C |
| Evaporation Rate: | Value can be approximated from Henry's Law Constant or vapor pressure. |
| Flammability (solid/gas): | Not flammable |
| Lower / Upper explosion limit: | For liquids not relevant for classification and labelling. |
| Thermal Decomposition: | No decomposition if stored and handled as prescribed/indicated. |
| Density: | 1.1 g/cm ³ (25 °C) |
| Water solubility: | Soluble |
| Solubility (qualitative) solvent(s): | Distilled water, soluble |
| Viscosity, dynamic: | 1,000 - 6,000 mPa*s (20 °C) |
| Explosive properties: | Not explosive |
| Fire promoting properties: | Not fire-propagating |
| pH: | 11.5 - 12.5 (isopropanol, 20 °C) |

10 STABILITY AND REACTIVITY

| | |
|-----------------------------------|--|
| Thermal Decomposition: | No decomposition if stored and handled as prescribed/indicated. |
| Hazardous Reactions: | None if used for intended purpose. |
| Hazardous decomposition products: | No hazardous decomposition products if stored and handled as prescribed/indicated. |
| Incompatible Materials: | No substances known that should be avoided. |

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11 TOXICOLOGICAL INFORMATION

Acute toxicity

Assessment of acute toxicity:

Virtually nontoxic after a single skin contact.

Virtually nontoxic after a single ingestion.

Experimental/calculated data:

LD50 (oral): > 2,000 mg/kg

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

LD50 (dermal): > 2,000 mg/kg (OECD Guideline 402)

Irritation

Assessment of irritating effects:

May cause severe damage to the eyes.

Skin contact causes irritation.

Experimental/calculated data:

Skin corrosion/irritation rabbit: Irritant. (OECD Guideline 404)

Serious eye damage/irritation rabbit: irreversible damage (OECD Guideline 405)

Respiratory/Skin sensitization

Assessment of sensitization:

No sensitizing effect.

Experimental/calculated data:

Guinea pig maximization test guinea pig: Non-sensitizing. (OECD Guideline 406)

Germ cell mutagenicity

Assessment of mutagenicity:

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The chemical structure does not suggest a specific alert for such an effect.

Experimental/calculated data:

Ames-test

Bacteria: negative

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Carcinogenicity

Assessment of carcinogenicity:

The chemical structure does not suggest a specific alert for such an effect.

Reproductive toxicity

Assessment of reproduction toxicity:

The chemical structure does not suggest a specific alert for such an effect.

Specific target organ toxicity (single exposure):

Assessment of STOT single:

Based on available data, the classification criteria are not met.

Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:

The information available on the product provides no indication of toxicity on target organs after repeated exposure.

Aspiration hazard

No aspiration hazard expected.

Other relevant toxicity information

The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

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12 ECOLOGICAL INFORMATION

Ecotoxicity

Assessment of aquatic toxicity:

The product has not been tested. The statement has been derived from the properties of the individual components.

Toxicity to fish:

LC50 > 10 - 100 mg/l (DIN EN ISO 7346-2)

Microorganisms/Effect on activated sludge:

EC0 > 100 mg/l (OECD Guideline 209)

Persistence and degradability

Assessment biodegradation and elimination (H₂O):

Readily biodegradable (according to OECD criteria).

Elimination information:

(Annex III , part A) The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request or at the request of a detergent manufacturer.

13 DISPOSAL CONSIDERATIONS

Must be disposed of or incinerated in accordance with local regulations.

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14 TRANSPORT INFORMATION

Domestic transport:

Not classified as a dangerous good under transport regulations.

Sea transport - IMDG

Not classified as a dangerous good under transport regulations.

Air transport - IATA/ICAO

Not classified as a dangerous good under transport regulations.

15 REGULATORY AND OTHER INFORMATION

Safety, health and environmental regulations specific for the mixture or substance:

Registration status:

AICS, AU: released / listed

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

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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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