

TRULUX SAFETY DATA SHEET

Provides critical information about hazardous chemicals.

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) 9975 2655
Address: C3/ 1-3 Rodborough Rd, Frenchs Forest NSW 2086 Australia

1.2 PRODUCT IDENTIFICATION

Trade name: Plantacare 1200 UP
Reference number: RMTR-0415A
Classification: Hazardous Substances (Minimum Degrees of Hazard) Regulations
2001 (New Zealand)

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

Identified uses: Raw Material
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

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1.5 EMERGENCY CONTACTS – INSTITUTIONAL CENTRES

Australia

Poisons Information Centre 13 11 26

2 HAZARD IDENTIFICATION

Classification: Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001 (New Zealand)

Subclasses: Subclass 6.3 Category A - Substance which are skin irritants
Subclass 8.3 Category A - Substance corrosive to ocular tissue
Subclass 9.1 Category D - Substance that are ecotoxic to aquatic environment

3 COMPOSITION/ INFORMATION ON INGREDIENTS

Ingredients	CAS Number	Content (W/W)	Hazard symbol(s)	R-phrases
D-Glucopyranose, oligomeric, C10-16-alkyl glycosides	110615-47-9	>= 45 % - < 75 %	Xi	38, 41

4 FIRST AID MEASURES

Inhalation: If respiratory irritation occurs, remove individual to fresh air.
Ingestion: For external use only, do not swallow.

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	If swallowed, immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.
Skin contact:	If necessary, remove contamination clothing. Wash off with soap and plenty of water, apply sterile dressings. In all cases of doubt seek medical advice.
Eye contact:	Remove contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. In all cases of doubt seek medical advice.
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:	Notes to physician: Treat symptomatically.

5 FIRE FIGHTING MEASURES

Suitable extinguishing media:	Water spray, dry powder, foam.
Not suitable extinguishing media:	None to our knowledge.
Special hazards arising from the substance or mixture:	harmful vapours, carbon oxides Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.
Advice for firefighters	Cool containers/ tanks with water spray. Dike and collect water used to fight fire. Keep people away from upwind of fire. Wear a self-contained breathing apparatus.

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6 ACCIDENTAL RELEASE MEASURES

Personal precautions:	For personal protection see section 8.
Environmental precautions:	Prevent leakage or spillage. Do not discharge product into the aquatic environment without pre-treatment.
Methods for cleaning up:	
- Neutralization	Soak up with inert absorbent material.
- Cleaning/ decontamination	For large amounts: Dike spillage. Pump off product. For residues: Pick up with suitable absorbent material.
- Disposal	Dispose of contaminated materials in accordance with current regulations.

7 HANDLING AND STORAGE

Precautions for safe handling:

- | | |
|---|--|
| 1- General protective measures: | 1- Avoid contact with skin, inside of the eye and clothing. Wash hands before breaks and after handling product. Provide sufficient air exchange and/ or exhaust in work rooms. |
| 2- Measures to prevent Fire: | 2- Keep away from sources of ignition – no smoking. |
| - Conditions for safe storage, including any incompatibilities: | Keep containers/ package tightly closed in a cool, well ventilated place. Avoid direct sunlight. Handle and open containers with care.
Suitable materials for containers: High density polyethylene (HDPE), Low density polyethylene (LDPE), Stainless steel 1.4301 (V2), Stainless steel 1.4306 (V2A), Stainless steel 1.4361, Stainless steel 1.4401, Stainless steel 1.4541, Stainless |

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steel 1.4571, Stove-lacquer RDL 50, Stainless steel 1.4439, Stainless steel 1.4539.

Storage temperature: ≤ 50 °C

The packed product is not damaged by low temperatures or by frost. Bulk must be protected from solidification. Protect from temperatures above: 60 °C

- Specific and uses

No further information available.

8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Control Parameters

The product is not classified. No control parameters are to be mentioned.

Exposure Controls:

- General Engineering Measures Local ventilation is usually preferred.
- General Industrial Hygiene Practices Wearing of closed work clothing is required additionally to the stated personal protection equipment. No eating, drinking, smoking or tobacco use at the place of work. Handle in accordance with good industrial hygiene and safety practice.
- Body Protection Measures 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).
- General Hand Protections Measurements Wear impermeable protective gloves.
- General Eye Protection Measures Wear safety goggles.

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- **Respiratory protection Measures** **Respiratory protection** Respiratory protection in case of vapour/aerosol release. Particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P2 or FFP2)
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9 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State:	liquid, viscous
Colour:	light yellow
Odour:	product specific
Boiling point:	> 250 °C
Flash Point:	> 100 °C Information on: D-Glucopyranose, oligomeric, C10-16-alkyl glycosides
Flammability:	not flammable
Ignition temperature:	> 300 °C
Self ignition:	not self-igniting
Explosion hazard:	not explosive
Fire promoting properties:	not fire-propagating
Vapour pressure:	approx. < 0.1 hPa (20 °C)
Density:	approx. 1.08 g/cm ³ (40 °C) (DIN 51757 V 4 (MOD.); QP2322.0; Density) approx. 1.07 g/cm ³ (70 °C) (DIN 51757 V 4 (MOD.); QP2322.0; Density)
Water solubility:	partly soluble

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Hygroscopy:	Non-hygroscopic
Surface tension:	approx. 28 mN/m (23 °C; 1 g/l) (DIN EN 14370)
Viscosity, dynamic:	approx. 16,000 mPa.s (23 °C) (DIN EN 12092) approx. 2,500 mPa.s (40 °C) (DIN EN 12092)
pH:	12 (propanol-2/water, 20 %(m)) (DIN EN 1262)
Pour point:	5 °C (DIN ISO 3016)

10 STABILITY AND REACTIVITY

Reactivity:	Stable under recommended storage and normal usage conditions.
Chemical Stability:	Stable under recommended storage and normal usage conditions.
Possibility of Hazardous:	None known under recommended storage conditions and normal usage conditions.
Thermal decomposition:	> 350 °C (DTA)
Incompatible Materials:	Acids, Alkalines, caustics, halogens, reactive chemicals

11 TOXICOLOGICAL INFORMATION

Acute Toxicity:

- Assessment of acute toxicity: Virtually nontoxic after a single skin contact.

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Virtually nontoxic after a single ingestion.

LD50 rat (oral): > 5,000 mg/kg (similar to OECD guideline 401)

LD50 rabbit (dermal): > 5,000 mg/kg (OECD Guideline 402)

Irritation:

- Assessment of irritating effects: May cause severe damage to the eyes.
Skin contact causes irritation.
Primary skin irritation rabbit: Irritant. (OECD Guideline 404)
Primary irritations of the mucous membrane rabbit: Risk of serious damage to eyes. (OECD Guideline 405)

Sensitization:

- Assessment of sensitization: Skin sensitizing effects were not observed in animal studies.
guinea pig: Non-sensitizing. (OECD Guideline 406)

Further information (if necessary):

No further information available.

12 ECOLOGICAL INFORMATION

Ecotoxicity: Acutely toxic for aquatic organisms.

- Toxicity to fish: LC50 (96 h) > 1 - 10 mg/l, Brachydanio rerio (OECD 203; ISO 7346 84/449/EEC, C.1, semistatic)
- Aquatic invertebrates: EC50 (48 h) > 10 - 100 mg/l, Daphnia magna (OECD Guideline 202 1, static)
- Aquatic plants: EC50 (72 h) > 10 - 100 mg/l (growth rate), Desmodemus subspica (Directive 88/302/EEC, part C, p. 89, static)
- Microorganisms/Effect on activated sludge: EC0 (16 h) > 100 mg/l, Pseudomonas putida (DIN 38412 Part 8, static)

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- Chronic toxicity to fish: No observed effect concentration (28 d) > 1 mg/l, Brachydanio rerio (OECD Guideline 204, Flow through.)
- Chronic toxicity to aquatic invertebrates: EC10 (21 d), > 1 mg/l, Daphnia magna (OECD Guideline 202, part : semistatic)

Persistence and degradability

- Assessment biodegradation and elimination (H₂O): Readily biodegradable (according to OECD criteria).

13 DISPOSAL CONSIDERATIONS

Waste treatment methods: The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and runoff contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

14 TRANSPORT INFORMATION

Not dangerous goods according to transport legislation. Transport according to local legislation.

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15 REGULATORY AND OTHER INFORMATION

Classification Hazardous Substances (Minimum Degrees of Hazard) Regulations (New Zealand)

Subclasses: Subclass 6.3 Category A - Substance which are skin irritants.
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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 regards 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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