

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: Panthenol 75%
Reference number: RMTR-0459B
Classification: Not a hazardous substance or mixture according to GHS Classification.

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

Trade Name: Panthenol 75%

TR Ref. Number: RMTR-0459B

Doc: RMSDS - Panthenol 75%

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1.5 EMERGENCY CONTACTS – INSTITUTIONAL CENTRES

Australia

Poisons Information Centre 13 11 26

2 HAZARDS IDENTIFICATION

GHS Classification: Not a hazardous substance or mixture.

GHS label elements: Not a hazardous substance or mixture.

Other Hazard: No further information available

3 COMPOSITION/ INFORMATION ON INGREDIENTS

Brief description of the product: Mixture (preparation) containing active ingredients and auxiliary substances. Aqueous solution.

Hazardous components:

Chemical Name	CAS-No.	Concentration (%)
α -hydroxy- β,β -dimethyl- γ -butyrolactone	599-04-2	1 - 5

Further ingredients:

Component	CAS-No.	Concentration (%)
dexpanthenol (provitamin B5)	81-13-0	70 - 80

4 FIRST AID MEASURES

General advice

No hazards which require special first aid measures.

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Inhalation: If respiratory irritation occurs, remove the individual to fresh air. If symptoms persist, call a physician.

Ingestion: Clean your mouth with water and drink plenty of water. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person.

Skin contact: Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. If symptoms persist, call a physician.

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 specific symptoms known.

Indication of any immediate medical attention and special treatment needed: Notes to physician: Treat symptomatically.

5 FIRE FIGHTING MEASURES

Suitable extinguishing media: In case of fire, use alcohol-resistant foam, dry chemical. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Not suitable extinguishing media: No further information available.

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Special hazards arising from the substance or Mixture: None known.

Mixture:

Specific extinguishing methods: Standard procedure for chemical fires.

Advice for firefighters In the event of fire, wear self-contained breathing apparatus. Cool containers/ tanks with water spray. Dike and collect water used to fight fire. Keep people away from the upwind of fire.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions: For personal protection see section 8.

Environmental precautions: Prevent leakage or spillage. Do not discharge products into the aquatic environment without pre-treatment.

Methods for cleaning up:

- Neutralization Wipe up with absorbent material (e.g. cloth, fleece).
 - Cleaning/ decontamination Wash non-recoverable remainder with large amounts of water.
 - Disposal Dispose of contaminated materials in accordance with current regulations.
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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 products. Provide sufficient air exchange and/ or exhaust in work rooms.
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| 2- Measures to prevent Fire: | 2- Keep away from sources of ignition – no smoking. Take necessary action to avoid static electricity discharge. Product will burn under fire conditions. |
| - Conditions for safe storage, including any incompatibilities: | Keep containers/ packages tightly closed in a cool, well ventilated place. Store under 25 °C. Avoid direct sunlight. Handle and open containers with care. |
| - Specific and uses | No further information available. |
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8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Control Parameters

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

Exposure Controls:

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| ● General Measures | Engineering | Local ventilation is usually preferred. If the ventilation is suitable, it is not essential to wear respiratory equipment. |
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| ● General Practices | Industrial Hygiene | Avoid contact of chemicals with skin, inside of the eye and clothing. Ensure that eyewash stations and safety showers are close to the workstation location. |
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| ● General Measurements | Hand Protections | Glove material: for example nitrile rubber |
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| ● General Measures | Eye Protection | Wear safety goggles. |
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| ● General Protection | Skin / Body | Lightweight protective clothing. |
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9 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State:	clear liquid
Colour:	colourless or faintly yellow
Flash Point:	> 100 °C
Molecular weight:	Approx. 205.25 g/mol

10 STABILITY AND REACTIVITY

Reactivity:	No hazards to be specially mentioned.
Chemical Stability:	Stable under recommended storage and normal usage conditions.
Possibility of Hazardous:	Possible incompatibility with materials listed below.
Conditions to Avoid:	Heat.
Incompatible Materials:	Strong acids and strong bases Strong oxidizing agents
Hazardous decomposition products	No decomposition if used as directed.

11 TOXICOLOGICAL INFORMATION

*Information refers to the main component.

Acute oral toxicity:	LD50 (rat): ca. 21 000 mg/kg (Information refers to the main component)
Acute dermal toxicity:	LD50 (rat): > 3 500 mg/kg (Information refers to the main component)

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Skin corrosion/irritation:	No skin irritation (rabbit, OECD Test Guideline 404) Information refers to the main component No phototoxic skin reaction (guinea pig, CTFA Test Guideline)
Serious eye damage/eye irritation:	No eye irritation (rabbit, OECD Test Guideline 405)
Respiratory or skin sensitisation:	Did not cause sensitization. (guinea pig) No photo allergic skin reaction (guinea pig, CTFA Test Guideline) Information refers to the main component.
Genotoxicity in vitro:	Not mutagenic (In vitro gene mutation study in mammalian cells, OECD Test Guideline 476) Not genotoxic (Chromosome aberration test in vitro, OECD Test Guideline 473) Information refers to the main component
Carcinogenicity:	No indication for carcinogenicity known.
STOT - repeated exposure:	NOAEL (Oral, rat) : 200 mg/kg bw/d Sub-chronic toxicity study (90-day) Information refers to the main component
Experience with human exposure:	Hypervitaminosis from provitamin B5 and vitamin B5 is unknown.
Experience with human exposure: Skin contact	Allergic contact dermatitis (Cases have been reported rarely.)
Further information (if necessary):	No further information available

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12 ECOLOGICAL INFORMATION

Toxicity

- Toxicity to fish
Oncorhynchus mykiss (rainbow trout)
LC50 (96 h) > 1 000 mg/l
Test substance: Active ingredient
(OECD Test Guideline 203)
- Toxicity to daphnia and other aq. invertebrates
Daphnia magna (Water flea)
EC50 (48 h) > 100 mg/l
Test substance: Active ingredient
(OECD Test Guideline 202)
- Toxicity to algae
Desmodesmus subspicatus (green algae)
EbC50 (72 h) > 100 mg/l (OECD Test Guideline 201)
NOEC (72 h) 100 mg/l
- Toxicity to bacteria
activated sludge NOEC 569 mg/l
No inhibition was observed under the biodegradation test conditions.
(OECD Test Guideline 302B) Information refers to the main component
Pseudomonas putida
EC50 (17 h) > 10 000 mg/l (nominal concentration)
(DIN 38412) Information refers to the main component.

Persistence and degradability

- Biodegradability
Well inherently biodegradable.
100 % (15 d)
(OECD Test Guideline 302B)
Information refers to the main component.

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13 DISPOSAL CONSIDERATIONS

Waste treatment methods: The generation of waste should be avoided or minimized wherever possible. Do not release this material into the environment. 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

International Regulations

UNRTDG: Not regulated as a dangerous good.
IATA-DGR: Not regulated as a dangerous good.
IMDG-Code: Not regulated as a dangerous good.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

National Regulations

ADG: Not regulated as a dangerous good.

15 REGULATORY AND OTHER INFORMATION

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

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- Standard for the Uniform Scheduling of Medicines and Poisons No poison schedule number allocated
 - Inventory Status AICS : Not in compliance with the inventory
NZIoC : On the inventory, or in compliance with the inventory
 - NFPA Classification Health hazard: 0
Fire Hazard: 1
Reactivity Hazard: 0
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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 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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