

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: Curoxyl 42
Reference number: RMTR-0197A
Classification: This material is hazardous according to Safe Work Australia.

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

Product's name: Curoxyl 42
TR Ref. Number: RMTR-0197A

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1.5 EMERGENCY CONTACTS – INSTITUTIONAL CENTRES

Australia

Poisons Information Centre 13 11 26

2 HAZARDS IDENTIFICATION

Transportation Hazard:	Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail; DANGEROUS GOODS.
Classification of the product:	<p>This material is hazardous according to Safe Work Australia; HAZARDOUS CHEMICAL.</p> <p>Organic peroxides - Type F</p> <p>Skin Sensitisation - Category 1</p> <p>Eye Irritation - Category 2A</p> <p>The following health/environmental hazard categories fall outside the scope of the Workplace Health and Safety Regulations:</p> <p>Acute Aquatic Toxicity - Category</p>
Signal Word:	WARNING
Hazard Statement:	<p>H242 Heating may cause a fire.</p> <p>H317 May cause an allergic skin reaction.</p> <p>H319 Causes serious eye irritation.</p> <p>H400 Very toxic to aquatic life.</p>
Precautionary Statement(s): Prevention:	<p>P210 Keep away from heat, sparks, open flames, hot surfaces. No smoking.</p>

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	<p>P220 Keep and store away from clothing, incompatible materials, combustible materials.</p> <p>P234 Keep only in original container.</p> <p>P261 Avoid breathing fumes, mists, vapours or spray.</p> <p>P264 Wash hands thoroughly after handling.</p> <p>P272 Contaminated work clothing should not be allowed out of the workplace.</p> <p>P273 Avoid release to the environment.</p> <p>P280 Wear protective gloves, protective clothing, eye and face protection.</p>
Response:	<p>P302+P352 IF ON SKIN: Wash with plenty of soap and water.</p> <p>P333+P313 If skin irritation or rash occurs: Get medical advice/attention.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P337+P313 If eye irritation persists: Get medical advice/attention.</p> <p>P321 Specific treatment (see First Aid Measures on Safety Data Sheet).</p> <p>P363 Wash contaminated clothing before re-use. P391 Collect spillage.</p>
Storage:	<p>P411+P235 Store at temperatures not exceeding 45°C. Keep cool.</p> <p>P410 Protect from sunlight.</p> <p>P420 Store away from other materials.</p>
Disposal:	<p>P501 Dispose of contents and container in accordance with local, regional, national, international regulations.</p>

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3 COMPOSITION/ INFORMATION ON INGREDIENTS

Ingredient	CAS Number	Concentration (%)	Hazard Codes
Dibenzoyl peroxide	94-36-0	30- 42 %	H241, H319, H317
Water	7732-18-5	40 - 60 %	None

4 FIRST AID MEASURES

Inhalation: Remove victim from area of exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

Ingestion: For external use only, do not swallow. If swallowed, rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water. Seek medical assistance.

Skin contact: If necessary, remove contamination clothing. Wash off with soap and plenty of water. In all cases of doubt seek medical advice.

Eyes contact: Remove contacts lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Continue flushing until advised to stop by a Poisons Information Centre or a doctor. In all cases of doubt seek medical advice.

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

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5 FIRE FIGHTING MEASURES

Suitable extinguishing media: In case of fire, use fine water spray, normal foam, dry agent (CO₂, dry chemical powder).

Not suitable extinguishing media: Water jet.

Special hazards arising from the substance or mixture: Organic peroxide. On burning will emit toxic fumes, including those of oxides of carbon. Burns fiercely when ignited. Containers involved in a fire can constitute an explosion risk if confined. Jetting of burning liquid and fireballs can also occur. Organic peroxides provide oxygen for combustion so simple smothering actions are not effective against established fires. Due to possibility of re-ignition, extinguished residues must be thoroughly cooled before approaching.

Advice for firefighters In the event of fire, keep people away from upwind of fire. Wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion. Fight fires only from a safe distance and with adequate cover. For large fires action may need to be limited to cooling adjacent exposures with water to prevent fire spreading. Explosion hazard for product under confinement, possibility of containers 'rocketing' and production of fireballs. Keep containers cool with water spray.

Hazchem or Emergency Action Code: 2W

6 ACCIDENTAL RELEASE MEASURES

Personal precautions: For personal protection see section 8.

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Environmental precautions:	Shut off all possible sources of ignition. 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 (soil, sand or other inert material) material.
- Cleaning/ decontamination	Slippery when spilt. Wash non-recoverable remainder with large amounts of water.
- Disposal	Dispose of contaminated materials in accordance with current regulations.

7 HANDLING AND STORAGE

Precautions for safe handling:	Avoid skin and eye contact and breathing in vapour, mists and aerosols. Do not return unused product to original container. Take precautionary measures against static discharges. Ground all equipment containing material.
Conditions for safe storage, including any incompatibilities:	Store in a cool, dry, well ventilated place and out of direct sunlight. Store away from sources of heat or ignition. Store below 45°C. Store away from foodstuffs. Do not allow material to dry out. Store away from incompatible materials described in Section 10. Keep containers closed when not in use - check regularly for leaks.
Further information:	This material is a Scheduled Poison S5 and must be stored, maintained and used in accordance with the relevant regulations.

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8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Control Parameters

Benzoyl peroxide: 8hr TWA = 5 mg/m³ , Sen

TWA - The time-weighted average airborne concentration of a particular substance when calculated over an eight-hour working day, for a five-day working week.

'Sen' Notice - sensitiser. The substance can cause a specific immune response in some people. An affected individual may subsequently react to exposure to minute levels of that substance and should not be further exposed to the substance.

Exposure Controls:

- General Engineering Measures

Ensure ventilation is adequate to maintain air concentrations below Workplace Exposure Standards. Keep containers closed when not in use.

If in the handling and application of this material, safe exposure levels could be exceeded, the use of engineering controls such as local exhaust ventilation must be considered and the results documented. If achieving safe exposure levels does not require engineering controls, then a detailed and documented risk assessment using the relevant Personal Protective Equipment (PPE) (refer to PPE section below) as a basis must be carried out to determine the minimum PPE requirements.

- General Industrial Hygiene Practices
- General Hand Protections Measurements

Avoid contact of chemicals with skin, inside of the eye and clothing. Ensure that that eyewash stations and safety showers are close to the workstation location.

Wear impermeable protective gloves.

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- General Eye Protection Measures
- Wear safety goggles.
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9 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State:	Liquid
Colour:	Water-white
Odour:	Slight
Specific Gravity:	1.20 @ 20 °C
Boiling Point/Range::	> 100 °C
Flash Point:	> 93.3 °C
Autoignition Temperature:	103 °C
Viscosity:	0 - 500 cPs
Water solubility:	Dispersible in water.
pH:	2.8 - 6.6

10 STABILITY AND REACTIVITY

Reactivity: Reacts with incompatible materials shown below.

Chemical Stability: Unstable at elevated temperatures. Contamination of solution and exposure to light or heat will accelerate decomposition.

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Possibility of Hazardous:	Heating can cause expansion or decomposition of the material, which can lead to the containers exploding. Hazardous polymerisation will not occur.
Conditions to Avoid:	Avoid exposure to heat, sources of ignition, and open flame. Avoid exposure to shock, friction, fire and other sources of ignition. Avoid temperatures above 45°C. Avoid contamination with foreign materials. Do not allow product to dry out.
Incompatible Materials:	Incompatible with strong acids, alkalis, amines, oxidising agents, reducing agents, accelerators, promoters, transition metals and their compounds, combustible materials.
Hazardous decomposition products:	Oxides of carbon.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity:	No LD50 data available for the product. However, for constituent(s) Dibenzoyl peroxide (1): Oral LD50 (rat): 6,400 mg/kg
Acute symptoms:	
<ul style="list-style-type: none">• Ingestion	Swallowing may result in nausea, vomiting, diarrhoea, gastrointestinal irritation. If ingested, decomposition may occur in the stomach, leading to the production of oxygen. This may cause distension of the stomach.
<ul style="list-style-type: none">• Eye contact	An eye irritant.
<ul style="list-style-type: none">• Skin contact	Contact with skin may result in irritation. A skin sensitiser. Repeated or prolonged skin contact may lead to allergic contact dermatitis.

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- Inhalation Breathing in vapour, mists or aerosols may produce respiratory irritation.

Respiratory or skin sensitisation: A skin sensitiser.

Serious eye damage/irritation: Irritant.

12 ECOLOGICAL INFORMATION

Ecotoxicity: Avoid contaminating waterways.

Persistence/degradability: The material is readily biodegradable (1).

Aquatic toxicity: Very toxic to aquatic organisms.

For active ingredient: 72hr

EC50 (Green algae, *Selenastrum capricornutum*): 0.44 mg/L (1)

48hr EC50 (*Daphnia magna*): For dibenzyl peroxide: 0.07 mg/L

(1) 96hr LC50 (fish): For dibenzyl peroxide: 0.24 mg/L (*Oryzias latipes*) (1)

13 DISPOSAL CONSIDERATIONS

Waste treatment methods: The generation of waste should be avoided or minimized wherever possible. 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.

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14 TRANSPORT INFORMATION

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail: DANGEROUS GOODS.

UN No:	3109
Transport Hazard Class:	5.2 Organic Peroxide
Packing Group:	II
Proper Shipping Name or Technical Name:	ORGANIC PEROXIDE TYPE F, LIQUID (CONTAINS BENZOYL PEROXIDE)
Hazchem or Emergency Action Code:	2W

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea: DANGEROUS GOODS.

UN No:	3109
Transport Hazard Class:	5.2 Organic Peroxide
Packing Group:	II
Proper Shipping Name or Technical Name:	ORGANIC PEROXIDE TYPE F, LIQUID (CONTAINS BENZOYL PEROXIDE)
IMDG EMS Fire:	F-J
IMDG EMS Spill:	S-R

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air: DANGEROUS GOODS.

TRANSPORT PROHIBITED under the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air in Passenger and Cargo Aircraft; may be transported by Cargo Aircraft Only.

UN No:	3109
Transport Hazard Class:	5.2 Organic Peroxide
Packing Group:	II
Proper Shipping Name or Technical Name:	ORGANIC PEROXIDE TYPE F, LIQUID (CONTAINS BENZOYL PEROXIDE)

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15 REGULATORY AND OTHER INFORMATION

Safety, health and environmental regulations specific for the mixture or substance: This material is hazardous according to Safe Work Australia; HAZARDOUS CHEMICAL. More hazardous statements, please see Section 2.

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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