

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: SunZnO-SA
Reference number: RMTR-0841A
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 Company: Trulux Pty Ltd
Website: www.trulux.com.au
Address: C3/ 1-3 Rodborough Rd, Frenchs Forest NSW 2086 Australia

Trade Name: SunZnO-SA
TR Ref. Number: RMTR-0841A

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1.5 EMERGENCY CONTACTS – INSTITUTIONAL CENTRES

Australia

Poisons Information Centre 13 11 26

2 HAZARDS IDENTIFICATION

GHS Classification

Hazard Class and Category Code(s): Aquatic Acute 1
 Aquatic Chronic 1

Hazard statement Code(s): H400 - Very toxic to aquatic life.
 H410 - Very toxic to aquatic life with long lasting effects.

Warning Labels, Pictograms, Hazard Statement and Preventive Measure Statement

Signal Word: Warning

Hazard Statement: H400 - Very toxic to aquatic life.
 H410 - Very toxic to aquatic life with long lasting effects.

Precautionary Statement - Prevention: P273 – Avoid release to the environment.

Precautionary Statement - Response: P391 – Collect spillage

Precautionary Statement - Disposal: P501 – Dispose of contents/container to ...

Hazards Not Included in Ghs Classification (NFPA Rating)

Health: 0

Flammability: 0

Instability: 0

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3 COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Name	Other Name	CAS Number	Concentration (%)
Zinc oxide	Zinc oxide	1314-13-2	95
Stearic Acid	Stearic Acid	57-11-4	5

4 FIRST AID MEASURES

Inhalation:	Immediately remove the victim to fresh air. If the victim has stopped breathing, give artificial respiration and seek medical assistance.
Ingestion:	Do not induce vomiting. Consult a physician or poison control unit.
Skin contact:	Immediately flush skin with water while removing contaminated clothing. Wash contaminated clothing before reuse. Should Irritation occur, seek professional medical attention.
Eye contact:	Immediately flush eyes with plenty of cool water for at least 15 minutes. Do not let victims rub their eyes. Seek professional medical attention.

5 FIRE FIGHTING MEASURES

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Combustibility and Explosiveness: No combustion and explosion hazard.

Special Protective Equipment and Precautions for Fire Fighters

Wear self contained breathing apparatus for fire fighting if necessary.

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6 ACCIDENTAL RELEASE MEASURES

Personal precautions:	Avoid dust formation. Ensure adequate ventilation.
Environmental precautions:	Prevent further leakage or spillage if safe to do so. Do not let products enter drains. Discharge into the environment must be avoided.
Methods and Materials for Containment and Cleaning Up:	Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

7 HANDLING AND STORAGE

Precautions for safe handling:	Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.
Conditions for safe storage::	Keep the container tightly closed in a dry and well-ventilated place. Keep in a dry place.

8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Occupational Exposure Limits

Korea

Zinc oxide:

TWA - 2mg/m³

TWA - 5mg/m³ STEL - 10mg/m³

ACGIH

Zinc oxide: TWA 2 mg/m³

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Engineering Measures: Local and/or general ventilation is recommended.

Individual Protection Measures

- Respiratory Protection Wear a suitable mask.
- Skin Protection No special protection required. Wear standard protective clothing
- Hand Protection Wear general gloves.
- Eye Protection Wear safety glasses or goggles. Provide an emergency eye wash fountain and quick drench shower.

9 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical Appearance: White powder
Odour: Odourless
Melting / Freezing Point: > 1975 °C
Specific Gravity: 5.6
pH: 5 - 9 (10 % Soln.)

10 STABILITY AND REACTIVITY

Chemical Stability: Stable under recommended storage conditions.

Hazardous Decomposition Products: Hazardous decomposition products formed under fire conditions.
- Zinc/zinc oxides

Incompatible Materials: Strong oxidizing agents.

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11 TOXICOLOGICAL INFORMATION

Delayed and Immediate Effects and Also Chronic Effects from Short and Long Term Exposure

Acute Toxicity - Oral:	Zinc oxide: LD50 7950 mg/kg Stearic acid: LD50 4600 mg/kg Rat
Acute Toxicity - Skin:	Stearic acid: LD50> 5000 mg/kg Rabbit
Acute Toxicity - Inhalation:	Zinc oxide: LC50> 5.7 mg/L Rat
Skin Corrosion/Irritation:	Zinc oxide: Slightly irritation or non-irritation. Rabbit Stearic acid: Rabbit/500mg/24H/ Slightly irritation
Serious Eye Damage/Irritation:	Zinc oxide: Slightly irritation. Rabbit
Skin Sensitization:	Zinc oxide: Negative on patch test Stearic acid: No Sensitization

12 ECOLOGICAL INFORMATION

Toxicity

Fish:	Zinc oxide: LC50 2246 mg/L, 96 hr.
Crustacean:	Zinc oxide: LC50 0.098 mg/L, 48 hr
Birds:	Zinc oxide EC50 0.17 mg/L, 72 hr

Persistence and Degradability

Persistence:	Stearic acid: log Kow 8.23
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Bioaccumulative Potential

Bioaccumulation: Zinc oxide: BCF 217
 Stearic acid: BCF 1100000

13 DISPOSAL CONSIDERATIONS

Disposal Methods: Dispose the waste in accordance with all applicable regulations

Precautions: No special precautions required.

14 TRANSPORT INFORMATION

UN Number: UN3077

Proper Shipping Name: Environmentally hazardous substance, solid, n.o.s. (Zinc oxide)

Transportation Hazard Class(es): 9

Packing Group, if Applicable: 3

Fire Emergency: F-A

Outflow Emergency: S-F

15 REGULATORY AND OTHER INFORMATION

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

EU

Labeling:

Mentioned in section 2.

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Hazard Symbols:

N : Dangerous for the environment

Risk phrase:

R 50/53 : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrase:

S60 : This material and container must be disposed of as hazardous waste.

S61 : Avoid release to the environment. Refer to special instruction / Safety data sheets.

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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