

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:	Aerosil 200
SKU:	RMTR-0113A
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

GHS classification of substance or mixture, and national or regional information

Not classified.

GHS label elements

Hazard Symbol

No symbol.

Signal Word

No signal word.

Other hazards which do not result in GHS classification

None.

3 COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical name

Silicon dioxide, chemically prepared

Chemical Identity	CAS Number	Concentration (%)
Silicon dioxide, chemically prepared (CAS 112945-52- 5 resp. 7631-86-9)	112945-52-5	100.0

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4 FIRST AID MEASURES

Inhalation

In case product dust is released: Possible discomfort: cough, sneezing Move victims into fresh air.

Skin Contact

Wash off with plenty of water and soap.

Eye Contact

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes or until all material has been removed. Obtain medical attention.

Ingestion

Clean mouth with water and drink afterwards plenty of water. After absorbing large amounts of substance /
In case of discomfort: Supply with medical care.

Indication of any immediate medical attention and special treatment needed

Treatment: No hazards which require special first aid measures.

5 FIRE FIGHTING MEASURES

Suitable extinguishing media

Water spray, foam, CO₂, dry powder. Adapt fire-extinguishing measures to surroundings.

Unsuitable extinguishing media

Do not use full-force water jet in order to avoid dispersal and spread of the fire.

Special protective equipment and precautions for firefighters

Special fire fighting procedures

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Water used to extinguish fire should not enter drainage systems, soil or stretches of water. Ensure there are sufficient retaining facilities for water used to extinguish fire. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment.

Methods and material for containment and cleaning up

Sweep up or vacuum up spillage and collect in suitable container for disposal.

Environmental Precautions

Do not allow entrance in sewage water, soil stretches of water, groundwater, drainage systems.

7 HANDLING AND STORAGE

Handling

Technical measures (e.g. Local and general ventilation)

Ensure suitable suction/aeration at the work place and with operational machinery. Local ventilation if necessary.

Safe handling advice

If necessary: Local ventilation. Handle in accordance with good industrial hygiene and safety practice. If there is the possibility of skin/eye contact, the indicated hand/eye/body protection should be used. If the workplace threshold limit value is exceeded and/or the substance is released, use appropriate respiratory protection.

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Hygiene measures

When using, do not eat, drink or smoke. Wash face and/or hands before break and end of work. To ensure ideal skin protection: use super fatted soaps and skin cream for skin care. Wash contaminated clothing before reuse.

Storage

Safe storage conditions

Keep in a dry place. Take precautionary measures against static discharges.

8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Control Parameters

Occupational Exposure Limits

Chemical Identity	Type	Exposure Limit Values	Source
Silicon dioxide, chemically prepared (CAS 112945-52-5 resp. 7631-86-9) - Respirable dust.	TWA	2 mg/m ³	Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A), as amended (04 2013)

Appropriate Engineering Controls

Ensure suitable suction/aeration at the work place and with operational machinery. Local ventilation if necessary.

Individual protection measures, such as personal protective equipment

Eye / Face Protection

Wear safety glasses with side shields. In case dusts are formed, wear close fitting protective goggles.

Hand Protection

Additional Information: Use impermeable gloves.

Other Skin Protection

A safety shower and eye wash fountain should be readily available. To identify additional Personal

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Protective Equipment requirements, it is recommended that a hazard assessment be conducted before using this product.

Respiratory Protection

No special protective equipment required. If dust occurs: Dust mask with P2 particle filter.

Hygiene Measures

When using, do not eat, drink or smoke. Wash face and/or hands before break and end of work. To ensure ideal skin protection: use super fatted soaps and skin cream for skin care. Wash contaminated clothing before reuse.

9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Solid
Form:	Powder
Colour:	White
Melting Point:	Approximate 1,700 °C
Density:	Approximate 2.2 g/cm ³ (20 °C)
Explosive properties:	Not to be expected in view of the structure,
Oxidising properties:	Not to be expected in view of the structure.
pH:	3.7 - 4.5 (40 g/l, 20 °C) Suspension

10 STABILITY AND REACTIVITY

Reactivity:	No dangerous reaction known under conditions of normal use.
Chemical Stability:	Stable under recommended storage conditions.
Possibility of Hazardous Reactions:	No hazardous reactions are known if properly handled and stored.

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Hazardous Decomposition Products: Stable under normal conditions. Product will not undergo hazardous polymerization.

11 TOXICOLOGICAL INFORMATION

General Information

Silicosis or other product specific illnesses of the respiratory tract were not observed in association with the product.

Acute toxicity (list all possible routes of exposure)

Oral - Product

LD 50 (Rat): > 3,300 mg/kg

LD 50 (Rat): > 5,000 mg/kg

Dermal - Product

LD 50 (Rabbit): > 5,000 mg/kg

Inhalation - Product

LC0 (Rat): 0.139 mg/l

Skin Corrosion/Irritation - Product

Not irritating analogous OECD method (Rabbit): Not irritating Based on available data, the classification criteria are not met.

Serious Eye Damage/Eye Irritation - Product

Not irritating Rabbit: Not irritating

Carcinogenicity - Product

No evidence that cancer may be caused.

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Notifiable Carcinogenic Substances

Prohibited Carcinogenic Substances

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans

ACGIH Carcinogen List

No carcinogenic components identified.

Reproductive toxicity - Product

No evidence of reproduction toxic properties.

Specific Target Organ Toxicity - Single Exposure - Product

No evidence for hazardous properties.

Specific Target Organ Toxicity - Repeated Exposure - Product

No evidence for hazardous properties.

Aspiration Hazard - Product

Not classified.

Other effects

An Expert Judgement stated that no classification is necessary based on present knowledge. No toxicological tests are available on the product.

12 ECOLOGICAL INFORMATION

Acute hazards to the aquatic environment

Fish - Product

LC 50 ((Brachydanio rerio), 96 h): > 10,000 mg/l The reported toxic effects relate to the nominal concentration.

Aquatic Invertebrates - Product

EC 50 (Daphnia magna, 24 h): > 1,000 mg/l The reported toxic effects relate to the nominal concentration.

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Persistence and Degradability

Biodegradation - Product

The methods for determining biodegradability are not applicable to inorganic substances.

Bioaccumulative potential

Bioconcentration Factor (BCF) - Product

Not to be expected.

Mobility in soil

No remarkable mobility in soil is to be expected.

Other adverse effects

An Expert Judgement stated that no classification is necessary based on present knowledge.

13 DISPOSAL CONSIDERATIONS

Disposal methods

Can be disposed of with domestic refuse in accordance with the necessary technical regulations following consultation with waste disposal expert(s) and the responsible authorities.

Contaminated Packaging

Packaging material should be recycled or disposed of in accordance with federal, state and local regulations.

14 TRANSPORT INFORMATION

Domestic regulation

ADG

Not regulated as a dangerous good.

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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.

15 REGULATORY AND OTHER INFORMATION

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

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Poisons Schedule Number

Product: Poisons schedule number not allocated.

Notifiable Carcinogenic Substances

Not Regulated.

Prohibited Carcinogenic Substances

Not Regulated.

National Pollutant Inventory (NPI) substance reporting list

Not Regulated.

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Prohibited Substances (National Model Regulations for the Control of Workplace Hazardous Substances, Schedule 2 NOHSC:1005 (1994))

Not Regulated.

Restricted Importation of Organochlorine Chemicals (Customs(Prohibited Imports) Regulations 1956, Schedule 9)

Not Regulated.

Importation of Ozone Depleting Substances (Customs (Prohibited Imports) Regulations 1956, Schedule 10)

Not Regulated.

High Volume Industrial Chemicals (HVIC)

Not Regulated.

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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