

# TRULUX SAFETY DATA SHEET

Provides critical information about hazardous chemicals.

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## 1.1 COMPANY IDENTIFICATION

Company's Name: Trulux Pty Ltd  
Email address: [info@trulux.com.au](mailto:info@trulux.com.au)  
Website: [www.trulux.com.au](http://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: Rheozan SH  
Reference number: RMTR-0445A  
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](http://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

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## 2 HAZARD IDENTIFICATION

### Classification of the substance or mixture:

Not classified as a Hazardous chemical.

SUSMP (AU): Not scheduled.

### Label elements

- Work Health and Safety Regulation 2011

Not labelled as a Hazardous chemical under the regulation above.

Other hazards which do not result in classification:

- Slightly irritating to eyes.
- The dust may be irritating to the respiratory system.
- Combustible solid.
- Divided solid.
- May form explosive dust-air mixture.
- Electrostatic charges may be generated as a result of flow, stirring, etc.
- Electrostatic charges may build up by swirling, pneumatic transport, pouring, etc.

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## 3 COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical nature: SUCCINOGLYCAN GUM

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Non-hazardous ingredients \*

Remarks: No hazardous ingredients according to the criteria of SWAC (Australia)

*\* Ingredients present at non-hazardous concentrations, according to criteria of SWAC (Australia) based on available information.*

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## 4 FIRST AID MEASURES

General advice: Show this safety data sheet to the doctor in attendance. First aider needs to protect himself. Place affected clothing in a sealed bag for subsequent decontamination.

Inhalation: If inhaled, remove to fresh air. Keep at rest. Consult a physician if necessary.

Ingestion: Do NOT induce vomiting. Rinse mouth with water. Consult a physician if necessary

Skin contact: Take off contaminated clothing and shoes immediately. Wash off with plenty of water. Get medical attention if irritation develops and persists.

Eye contact: Rinse with running water whilst keeping the eyes wide open (at least 15 minutes). If eye irritation persists, consult a physician

Most important symptoms and effects, both acute and delayed (if relevant): Inhalation of product may aggravate existing chronic respiratory problems such as asthma, emphysema or bronchitis.  
Skin contact may aggravate existing skin disease.

Indication of any immediate medical attention and special treatment needed: Notes to physician: Treat symptomatically. There is no specific antidote available.

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## 5 FIRE FIGHTING MEASURES

Suitable extinguishing media:	Water spray. Foam. Multi-purpose powders. Carbon dioxide (CO <sub>2</sub> )
Not suitable extinguishing media:	High volume water jet.
Special hazards arising from the substance or mixture:	Risk of dust explosion. Avoid generating dust; fine dust dispersed in air in sufficient concentrations, the presence of an ignition source is a potential dust explosion hazard. On combustion, toxic gases are released. For further information, refer to section 10: "Stability and Reactivity".
Special protective equipment for firefighters:	In the event of fire, wear self-contained breathing apparatus. Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing.
Specific fire fighting methods:	Do not use a solid water stream as it may scatter and spread fire.
Further information:	Standard procedure for chemical fires. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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## 6 ACCIDENTAL RELEASE MEASURES

Personal precautions:	Wear suitable protective equipment. Personal protective equipment. Do not breathe dust.
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	<p>Wear respiratory protection.</p> <p>Avoid contact with the skin and the eyes.</p> <p>Wear suitable protective clothing.</p> <p>Tightly fitting safety goggles.</p> <p>Wear suitable gloves.</p>
Environmental precautions:	<p>Stop the leak. Turn leaking containers leak-side up to prevent the escape of liquid.</p> <p>Contain the spilled material by bunding.</p> <p>Do not let product enter drains.</p> <p>Do not allow uncontrolled discharge of product into the environment.</p>
Methods for cleaning up:	
- Prohibition	<p>As far as possible, do NOT spray packaging which has been damaged or overturned with water.</p>
- Recovery	<p>Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).</p> <p>Keep in suitable, closed containers for disposal.</p> <p>Keep in properly labelled containers.</p> <p>Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).</p>
- Cleaning/ decontamination	<p>Wash non-recoverable remainder with large amounts of water. -</p> <p>Clean contaminated surface thoroughly.</p> <p>Recover the cleaning water for subsequent disposal.</p>
- Disposal	<p>Dispose of in accordance with local regulations.</p>
<u>Additional advice</u>	<p>Material can create slippery conditions.</p>

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## 7 HANDLING AND STORAGE

Precautions for safe handling: Provide sufficient air exchange and/or exhaust in work rooms.  
Earth the equipment.  
Take measures to prevent the build up of electrostatic charge.

Handle in accordance with good industrial hygiene and safety practice.  
Avoid dust formation.  
Prevent the build-up of electrostatic charge.  
Keep away from fire, sparks and heated surfaces.  
Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces.

For personal protection see section 8.

Avoid contact of the product with insulating materials during operations which may generate electrostatic charges.  
Keep away from flames and hot surfaces.  
Follow the instructions for use issued by the producer.

Hygiene Measures: The user is responsible for monitoring the working environment in accordance with local laws and regulations.  
Use clean, well-maintained personal protection equipment.  
Contaminated work clothing should not be allowed out of the workplace.  
When using do not eat, drink or smoke.  
Wash hands before breaks and immediately after handling the product.

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- Conditions for safe storage, including any incompatibilities:	<u>Technical measures/Storage conditions</u> Stable under normal conditions. Keep container tightly closed. Keep in a dry, cool and well-ventilated place. Protect from moisture. Keep away from open flames, hot surfaces and sources of ignition. Keep away from incompatible materials to be indicated by the manufacturer. Keep away from: Hazardous reactions may occur on contact with certain chemicals. (Refer to the list of incompatible materials section 10: "Stability-Reactivity").  <u>Suitable material</u> Water-resistant materials.  <u>Remarks</u> Store in original container
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## 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Control Parameters	No exposure standards assigned to this specific material by the Safe Work Australia Council (SWAC), however the TWA exposure standard for dust not otherwise classified (nuisance dusts) is 10 mg/m <sup>3</sup> . Contains no substances with occupational exposure limit values above their regulatory reporting threshold.
Exposure Controls:	
• Environmental Exposure Controls:	Do not let product enter drains.

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- **General Engineering Measures**
  - Extract at emission point.
  - Ensure that extracted air cannot be returned to the workplace through the ventilation system.
  - Provide adequate ventilation.
  - Avoid dust formation.
- **General Industrial Hygiene Practices**
  - The user is responsible for monitoring the working environment in accordance with local laws and regulations.
  - Use clean, well-maintained personal protection equipment.
  - Contaminated work clothing should not be allowed out of the workplace.
  - When using do not eat, drink or smoke.
  - Wash hands before breaks and immediately after handling the product.
- **General Protective Measures**
  - Emergency equipment immediately accessible, with instructions for use.
  - Ensure that eyewash stations and safety showers are close to the workstation location.
  - Selection of appropriate personal protective equipment should be based on an evaluation of the performance characteristics of the protective equipment relative to the task(s) to be performed, conditions present, duration of use, and the potential hazards and/or risks that may occur during use.
  - The protective equipment must be selected in accordance with current AS/NZS standards and in cooperation with the supplier of the protective equipment.
- **General Respiratory Protection**
  - Use a respirator with an approved filter if a risk assessment indicates this is necessary.

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Reference should be made to Australian/New Zealand Standards AS/NZS 1715, Selection, Use and maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices.

- General Hand Protections Measurements

Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

Where there is a risk of contact with hands, use appropriate gloves. Gloves must be inspected prior to use.

Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

- General Eye Protection Measures

Tightly fitting safety goggles.

Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337.1 Personal eye protection.

Eye and face protectors for occupational applications.

- General Skin and Body Protection

Full protective suit.

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

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## 9 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

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Form:	Fine powder
Physical State:	solid
Colour:	cream
Particle Size:	< 0.300 mm ( 98 %)
Odour:	very faint
Melting Point:	N/A. Decomposes below melting point.
Flash Point:	Not applicable solid for which the melting point is > 100 °C
Flammability Class:	Will burn
Flammability (solid, gas):	May form combustible dust concentrations in air.
Auto-ignition Temperature:	140 °C Relative self-ignition temperature for solids.
Bulk Density:	750 - 850 kg/m <sup>3</sup>
Water solubility:	soluble Depending on the concentration, a colloidal solution, thick paste or formed.
Solubility in other solvents:	common organic solvents : insoluble common organic solvents : partly soluble
Decomposition Temperature:	> 200 °C
Oxidizing Properties:	Not considered as oxidizing, Structure-activity relationship (SAR).
Dust Explosion Constant:	76 m.bar/s Maximum Pressure: 7.1 bar
Minimum ignition concentration:	125 g/m <sup>3</sup>
Minimum ignition energy:	5 - 10 J Method: sphere 20 L
pH:	7.0 - 9.0 ( 0.2 %) Aqueous solution

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## 10 STABILITY AND REACTIVITY

Chemical Stability:	Stable under recommended storage conditions.
Possibility of Hazardous:	Under certain conditions, small dust-particles from the product may form flammable and explosive mixtures with the air. No dangerous reaction known under conditions of normal use.
Conditions to Avoid:	Keep away from heat and sources of ignition. Keep away from flames and sparks. Static electricity. Avoid dust formation.
Incompatible Materials:	Strong oxidizing agents. Strong reducing agents.
Hazardous Decomposition Products:	On combustion or on thermal decomposition (pyrolysis) releases: (Carbon oxides (CO + CO <sub>2</sub> )).

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## 11 TOXICOLOGICAL INFORMATION

### Acute Toxicity

- Oral - Succinoglycan: LD0 : > 600 mg/kg - Rat , male and female  
Method: OECD Test Guideline 401  
Not classified as hazardous for acute oral toxicity according to GHS.  
Gavage  
No mortality observed at this dose.  
Maximum dose technically administrable

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	Unpublished internal reports
	LD0: 600 mg/kg - Mouse , male and female
	Method: OECD Test Guideline 401
	Not classified as hazardous for acute oral toxicity according to GHS.
	Gavage
	No mortality observed at this dose.
	Maximum dose technically administrable
	Unpublished internal reports
Skin corrosion/irritation - Succinoglycan:	Rabbit
	No skin irritation
	Method: OECD Test Guideline 404
	Unpublished internal reports
Serious eye damage/eye irritation - Succinoglycan:	Rabbit slight irritation
	Method: OECD Test Guideline 405
	Unpublished internal reports
Respiratory or skin sensitisation - Succinoglycan:	By analogy
	Guinea pig
	Does not cause skin sensitisation.
	Unpublished reports
Mutagenicity	
• Genotoxicity in vitro - Succinoglycan:	Mutagenicity (Salmonella typhimurium - reverse mutation assay) with and without metabolic activation
	negative
	Method: OECD Test Guideline 471
	Unpublished internal reports

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- Genotoxicity in vivo - Succinoglycan: In vivo micronucleus test - Mouse  
negative  
Gavage  
Unpublished internal reports
- Carcinogenicity - Succinoglycan: By analogy  
Rat  
Oral  
Animal testing did not show any carcinogenic effects.  
Unpublished reports

## Toxicity for reproduction and development

- Toxicity to reproduction/Fertility - Succinoglycan: By analogy  
Fertility study 3 generations - Rat, , Oral  
no impairment of fertility has been observed  
No effect observed on development  
Unpublished reports

STOT - single exposure - Succinoglycan: The substance or mixture is not classified as specific target organ toxicant, single exposure according to GHS criteria.  
internal evaluation

STOT - repeated exposure - Succinoglycan: By analogy  
The substance or mixture is not classified as specific target organ toxicant, repeated exposure according to GHS criteria.  
By analogy Oral - Rat  
No adverse effect has been observed in toxicity tests by repeated administration  
Unpublished reports  
By analogy Oral - Dog

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No adverse effect has been observed in toxicity tests by repeated administration  
Unpublished reports

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## 12 ECOLOGICAL INFORMATION

Acute toxicity to fish - Succinoglycan: LC50 - 96 h : > 100 mg/l - Oncorhynchus mykiss (rainbow trout)  
Method: OECD Test Guideline 203  
Unpublished internal reports  
Not harmful to fish (LC/LL50 > 100 mg/L)

Biodegradability - Succinoglycan: Ready biodegradability study:  
Method: OECD Test Guideline 301 B  
99 % - 28 Days  
The substance fulfills the criteria for ultimate aerobic biodegradability and ready biodegradability  
Inoculum: activated sludge  
Unpublished internal reports

Degradability assessment: The product is considered to be rapidly degradable in the environment.

Bioconcentration factor (BCF): Not bioaccumulable.  
internal evaluation

Mobility in soil

- Known distribution to environmental compartments: Ultimate destination of the product: Water

Ecotoxicity assessment

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- |                                       |   |
|---------------------------------------|---|
| • Short-term (acute) aquatic hazard:  | According to the available data on the constituents<br>The product does not have any known adverse effects on the aquatic organisms tested. |
| • Long-term (chronic) aquatic hazard: | According to the available data on the constituents<br>Does not have any known long-term adverse effects on the aquatic organisms tested    |
- 

## 13 DISPOSAL CONSIDERATIONS

Waste treatment method

- |   |   |
|---|---|
| • Product Disposal:                             | <u>Prohibition</u><br>- Should not be released into the environment.<br>- Dispose of in accordance with local regulations.<br>- Dispose of wastes in an approved waste disposal facility. |
| • Advice on cleaning and disposal of packaging: | - Cleaning is not required prior to disposal.<br>- Dispose of contents/ container to an approved waste disposal plant.<br>- Dispose of in accordance with local regulations.              |
| • Measure for waste avoidance or recovery:      | - Do not dispose of the product at a rubbish tip.   |
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## 14 TRANSPORT INFORMATION

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

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## 15 REGULATORY AND OTHER INFORMATION

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

- **Poison Schedule (SUSMP Australia)** Not scheduled.
- **Inventory Status**
  - Canadian Domestic Substances List (DSL) - One or more components not listed on inventory.
  - Australia Inventory of Chemical Substances (AICS) - Listed on Inventory.
  - Korea. Korean Existing Chemicals Inventory (KECI) - One or more components not listed on inventory
  - China. Inventory of Existing Chemical Substances in China (IECSC) - Listed on Inventory.
  - Philippines Inventory of Chemicals and Chemical Substances (PICCS) - One or more components not listed on inventory.
  - New Zealand. Inventory of Chemical Substances - All components are listed on the NZIOC inventory. The HSNO status of the product has not been assessed.
  - Taiwan Chemical Substance Inventory (TCSI) - Listed on Inventory.
  - EU. European Registration, Evaluation, Authorisation and Restriction of Chemical (REACH) - When purchased from a Solvay legal entity based in the EEA ("European Economic Area"), this product is compliant with the registration provisions of the REACH Regulation (EC) No. 1907/2006 as all its components are either excluded, exempt, and/or registered. When purchased from a legal entity outside of the EEA, please contact your local representative for additional information.

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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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