

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:	Fructose
SKU:	RMTR-0709A
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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Doc: RMSDS - Fructose

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1.5 EMERGENCY CONTACTS - INSTITUTIONAL CENTRES

Australia Poisons Information Centre 13 11 26

2 HAZARDS IDENTIFICATION

Poisons Schedule (Aust)

Not Scheduled.

Globally Harmonized System

Hazard Classification

NOT hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS).

Signal Word

None.

National Transport Commission (Australia)

Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

Dangerous Goods Classification

NOT Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code).

3 COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Entity	Formula	CAS Number	Concentration (%)
Fructose	C ₆ H ₁₂ O ₆	57-48-7	≤ 100

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4 FIRST AID MEASURES

Inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If respiratory symptoms persist, get medical advice / attention.
Ingestion:	Non-hazardous. Rinse mouth, then drink plenty of water. Get medical advice / attention if you feel unwell.
Skin contact:	Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation occurs, get medical advice / attention.
Eye contact:	Immediately flush eyes with running water for several minutes, holding eyelids open and occasionally lifting the upper and lower lids. Remove contact lenses if present and easy to do. Continue rinsing for 10 - 15 minutes. If eye irritation persists, get medical advice/attention.
Advice to Doctor:	Treat symptomatically.

5 FIRE FIGHTING MEASURES

General Measures:	If safe to do so, move undamaged containers from fire area. Cool containers with water spray until well after fire is out.
Flammability Conditions:	May burn but does not ignite readily.
Suitable extinguishing media:	Use dry chemical, Carbon dioxide (CO ₂), foam or water spray for extinction.

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Fire and Explosion Hazard:	Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.
Hazardous Combustion Products:	Fire may produce irritating, toxic and/or corrosive fumes, including Carbon oxides.
Personal Protective Equipment:	Wear self-contained breathing apparatus (SCBA) and chemical splash suit. Structural firefighter's uniform may provide limited protection.

6 ACCIDENTAL RELEASE MEASURES

General Response Procedures:

Ensure adequate ventilation. ELIMINATE all ignition sources. Do not touch or walk through spilled material. Avoid generating dust. Avoid breathing dust and contact with eyes, skin and clothing.

Clean Up Procedures:

Collect material (sweep or vacuum up) and place in suitable, properly labelled containers for disposal (see SECTION 13). Avoid dispersal of dust in the air (i.e. clearing dusty surfaces with compressed air). Non-sparking tools should be used.

Containment

Stop leak if safe to do so - Prevent entry into waterways, drains or confined areas. Prevent dust cloud. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration.

Decomamination

Residues can be hosed-down in normal sewage with plenty of hot water.

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Environmental Precautionary Measures

Prevent entry into drains and waterways.

Evacuation Criteria

Spill or leak area should be isolated immediately. Keep unauthorized personnel away.

7 HANDLING AND STORAGE

Handling

Safety showers and eyewash facilities should be provided within the immediate work area for emergency use. Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Minimise dust generation and accumulation. Avoid breathing dust and contact with eyes, skin and clothing. Use personal protective equipment as required (see SECTION 8). WARNING! May form combustible dust concentrations in air (during processing). Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Take precautionary measures against static discharge.

Storage

Store in a cool, dry and well-ventilated place, out of direct sunlight. Keep container tightly closed. Keep away from heat and sources of ignition - No smoking. Keep away from incompatible materials.

Container

Keep in the original container.

8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

General

No specific exposure standards are available for this product. For dusts from solid substances without specific occupational exposure standards:

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- Safe Work Australia Exposure Standard (Nuisance dusts): 8 hr TWA = 10 mg/m³ (measured as inhalable dust).
- New Zealand WES (Particulates not otherwise classified): TWA = 10 mg/m³; TWA = 3 mg/m³ (respirable dust).

Engineering Measures

A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.

Personal Protection Equipment

Respiratory Protection

In case of inadequate ventilation, wear respiratory protection. Recommended: Dust mask/particulate filter respirator (refer to AS/NZS 1715 & 1716).

Eye / Face Protection

Wear appropriate eye protection to avoid eye contact. Recommended: Safety glasses.

Hand Protection

Handle with gloves. Recommended: Impervious gloves.

Skin / Body Protection

Wear appropriate personal protective clothing to avoid skin contact.

Recommended: Overalls, safety shoes.

Work Hygienic Practices

Do not eat, drink or smoke when using this product. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces.

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9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Solid
Appearance:	Crystalline
Odour:	Odourless
Colour:	White
Melting Point:	103 °C
Bulk Density:	800 - 900 g/l (25°C) g/L
Molecular Weight:	180.16 g/mol
Water solubility:	Soluble in water (~ 80 % weight) 20 °C
pH:	5 - 7 (10% suspension in water)

Potential for Dust Explosion

Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Properties That May Initiate or Contribute to Fire Intensity

May burn but does not ignite readily.

Reactions That Release Gases or Vapours

Fire/decomposition may produce irritating, toxic and/or corrosive fumes, including Carbon oxides.

10 STABILITY AND REACTIVITY

Chemical Stability:	Product is stable
Conditions to Avoid:	Avoid generating dust. Keep away from heat and sources of ignition.
Incompatible Materials:	Incompatible/reactive with strong acids and oxidising agents.

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Hazardous Decomposition Products: Fire/decomposition may produce irritating, toxic and/or corrosive fumes, including Carbon oxides.

Hazardous Polymerisation: Will not occur.

11 TOXICOLOGICAL INFORMATION

General Information

Information on possible routes of exposure:

- Ingestion: No adverse effects expected; large amounts may cause nausea and vomiting.
- Eye contact: May cause physical/mechanical irritation.
- Skin contact: May cause physical/mechanical irritation.
- Inhalation: Dust overexposure may cause respiratory irritation.

Carcinogen Category

None.

12 ECOLOGICAL INFORMATION

Ecotoxicity

Not toxic.

Persistence/Degradability

The material is biodegradable.

Environmental Fate

Prevent entry into drains and waterways.

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13 DISPOSAL CONSIDERATIONS

General Information: Dispose of contents/container in accordance with local / regional / national regulations.

14 TRANSPORT INFORMATION

Land Transport (Australia) - ADG Code

Proper Shipping Name:	Fructose
Class:	No Data Available
Subsidiary Risk(s):	No Data Available
UN Number:	No Data Available
Hazchem:	No Data Available
Pack Group:	No Data Available
Special Provision:	No Data Available
Comments:	NON-DANGEROUS GOODS: Not regulated for LAND transport.

Land Transport (Malaysia) - ADR Code

Proper Shipping Name:	Fructose
Class:	No Data Available
Subsidiary Risk(s):	No Data Available
UN Number:	No Data Available
Hazchem:	No Data Available
Pack Group:	No Data Available
Special Provision:	No Data Available
Comments:	NON-DANGEROUS GOODS: Not regulated for LAND transport.

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Land Transport (New Zealand) - NZS5433

Proper Shipping Name:	Fructose
Class:	No Data Available
Subsidiary Risk(s):	No Data Available
UN Number:	No Data Available
Hazchem:	No Data Available
Pack Group:	No Data Available
Special Provision:	No Data Available
Comments:	NON-DANGEROUS GOODS: Not regulated for LAND transport.

Land Transport (United States of America) - US DOT

Proper Shipping Name:	Fructose
Class:	No Data Available
Subsidiary Risk(s):	No Data Available
UN Number:	No Data Available
Hazchem:	No Data Available
Pack Group:	No Data Available
Special Provision:	No Data Available
Comments:	NON-DANGEROUS GOODS: Not regulated for LAND transport.

Sea Transport - IMDG Code

Proper Shipping Name:	Fructose
Class:	No Data Available
Subsidiary Risk(s):	No Data Available
UN Number:	No Data Available
Hazchem:	No Data Available
Pack Group:	No Data Available
Special Provision:	No Data Available
EMS:	No Data Available
Marine Pollutant:	No

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Comments: NON-DANGEROUS GOODS: Not regulated for SEA transport.

Air Transport - IATA DGR

Proper Shipping Name: Fructose
Class: No Data Available
Subsidiary Risk(s): No Data Available
UN Number: No Data Available
Hazchem: No Data Available
Pack Group: No Data Available
Special Provision: No Data Available
Comments: NON-DANGEROUS GOODS: Not regulated for AIR transport.

National Transport Commission (Australia)

Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

Dangerous Goods Classification

NOT Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code).

15 REGULATORY AND OTHER INFORMATION

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

Poisons Schedule (Aust)

Not Scheduled.

Environmental Protection Authority (New Zealand)

Hazardous Substances and New Organisms Amendment Act 2015

Approval Code

Not Hazardous.

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National/Regional Inventories

Australia (AICS): Listed

Europe (EINECS): 200-333-3

New Zealand (NZIoC): Listed

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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