

# 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: Propylene Glycol  
Reference number: RMTR-0645B  
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 HAZARDS IDENTIFICATION

Poisons Schedule (Aust): Not scheduled.

### Globally Harmonised 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).

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## 3 COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Entity	Formula	CAS Number	Concentration (%)
Propylene glycol	C <sub>3</sub> H <sub>8</sub> O <sub>2</sub>	57-55-6	≤ 100

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## 4 FIRST AID MEASURES

Inhalation: Remove the victim to fresh air and keep at rest in a position

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	comfortable for breathing. If respiratory symptoms persist, get medical advice/attention.
Ingestion:	Rinse mouth, then drink a glass of water. Get medical advice/attention if you feel unwell.
Skin contact:	Remove contaminated clothing and shoes immediately. Flush skin with running water for several minutes. 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. Following cases of gross over-exposure, investigation of liver, kidney and eye function may be advisable. Records of such incidents should be maintained for future reference.

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## 5 FIRE FIGHTING MEASURES

General Measures:	If safe to do so, move undamaged containers from the fire area. Cool containers with water spray until well after fire is out
Flammability Conditions:	Combustible liquid; May burn but does not ignite readily.
Extinguishing Media:	Use dry chemicals, Carbon dioxide (CO <sub>2</sub> ), foam or water spray for extinction - Do not use water jets.
Fire and Explosion Hazard:	Containers may explode when heated. When heated, vapours may form explosive mixtures with air.

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Hazardous Products of Combustion:	Fire may produce irritating, toxic and/or corrosive gases, including Carbon oxides.
Special FireFighting Instructions:	Contain runoff from fire control or dilution water - Runoff may pollute waterways.
Personal Protective Equipment:	Wear self-contained breathing apparatus (SCBA) and chemical splash suit. SCBA and structural firefighter's uniform may provide limited protection.
Flash Point:	99 °C [PMCC]
Lower Explosion Limit:	2.6 %
Upper Explosion Limit:	12.6 %
Auto Ignition Temperature:	> 421 °C

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## 6 ACCIDENTAL RELEASE MEASURES

General Response Procedure:	Ensure adequate ventilation. ELIMINATE all ignition sources. Do not touch or walk through spilled material. Avoid breathing vapours and contact with eyes, skin and clothing.
Clean Up Procedures:	Absorb with earth, sand or other non-combustible material and transfer to a suitable container for disposal.
Containment:	Stop leak if safe to do so – Prevent entry into waterways, drains or confi areas.
Decontamination:	Wash the area down with excess water.
Environmental Precautionary Measures:	Prevent entry into drains and waterways.

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Evacuation Criteria: Spill or leak area should be isolated immediately. Keep unauthorised personnel away.

Personal Precautionary Measures: Use personal protective equipment as required.

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## 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. Avoid breathing mist/vapours and contact with eyes, skin and clothing. Do not ingest. Use personal protective equipment as required. Combustible liquid: Keep away from heat and sources of ignition - No smoking. Do not pressurise containers to empty.

Storage: Store in a cool, dry and well-ventilated place, out of direct sunlight. Keep the container tightly closed. Avoid exposure to air. Protect from moisture. Keep away from heat and sources of ignition - No smoking. Keep away from incompatible materials.

Container: Keep in the original container.

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## 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

General: For Propane-1,2-diol (CAS No. 57-55-6):

- Safe Work Australia Exposure Standard (vapour & particulates): TWA = 150 ppm (474 mg/m<sup>3</sup>).
- Safe Work Australia Exposure Standard (particulates only): TWA = 10 mg/m<sup>3</sup>.

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- New Zealand Workplace Exposure Standard (vapour & particulates): TWA = 150 ppm (474 mg/m<sup>3</sup>).
- New Zealand Workplace Exposure Standard (particulates only): TWA = 10 mg/m<sup>3</sup>.

**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: Organic vapour/particulate filter respirator (refer to AS/NZS 1715 & 1716).
- Eye/face protection: Wear appropriate eye protection to avoid eye contact. Recommended: Safety glasses or goggles.
- Hand protection: Handle with gloves. Recommended: Chemical-resistant gloves.
- Skin/body protection: Wear appropriate personal protective clothing to avoid skin contact. Recommended: Chemical-resistance workwear, safety shoes.

**Work Hygienic Practices:** Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Take off contaminated clothing and wash before reuse.

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## 9 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State:	Liquid
Appearance:	Clear liquid
Odour:	Odourless
Colour:	Colourless

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Vapour Pressure:	20 Pa (@ 25 °C)
Boiling Point:	184 °C
Freezing Point:	< -20 °C
Solubility:	Miscible with water 20 °C
Specific Gravity:	1.03
Flash Point:	99 °C [PMCC]
Auto Ignition Temp:	> 421 °C
Additional Characteristics:	Hygroscopic.

#### Properties That May Initiate or Contribute to Fire Intensity

Combustible liquid; May burn but does not ignite readily.

#### Reactions That Release Gases or Vapours

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

#### Release of Invisible Flammable Vapours and Gases

When heated, vapours may form explosive mixtures with air.

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## 10 STABILITY AND REACTIVITY

Chemical Stability:	Stable under recommended conditions of storage and handling.
Conditions to Avoid:	Keep away from heat and sources of ignition.
Incompatible Materials:	Incompatible/reactive with strong oxidising agents, strong acids, isocyanates.
Hazardous Decomposition Products:	Fire/decomposition may produce irritating, toxic and/or corrosive gases, including Carbon oxides.
Hazardous Polymerisation:	Hazardous polymerisation will not occur.

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## 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 eye irritation.
- Skin contact: May cause skin irritation.
- Inhalation: Mist/vapours may cause respiratory irritation.
- Chronic effects: No information available.

### Acute

#### **Acute Ingestion**

Acute toxicity (Oral):

- LD50, Rat (male/female): 22,000 mg/kg bw. [ECHA].

#### **Other**

Acute toxicity (Dermal):

- LD50, Rabbit: >2,000 mg/kg bw. [ECHA].

### Carcinogen Category

None.

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## 12 ECOLOGICAL INFORMATION

Ecotoxicity:

Aquatic toxicity:

- LC50, Fish (*Oncorhynchus mykiss*): 40,613 mg/L (96 h) [ECHA].

Persistence/Degradability:

Ready biodegradable.

Environmental Fate:

Prevent entry into drains and waterways.

Bioaccumulation Potential:

Low potential for bioaccumulation.

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## 13 DISPOSAL CONSIDERATIONS

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

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## 14 TRANSPORT INFORMATION

### Land Transport (Australia) - ADG Code

Proper Shipping Name: PROPYLENE GLYCOL  
Class: C2 Combustible Liquids - Flash Point >93°C, Closed Cup, Not Excluded Flammable.  
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: PROPYLENE GLYCOL  
Class: C1 Combustible Liquids - Flash point 61 - 150 °C  
Marine Pollutant: No  
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.

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EMS: No Data Available.  
Marine Pollutant: No  
Comments: NON-DANGEROUS GOODS: Not regulated for SEA transport.

## **Air Transport- IATA DGR**

Proper Shipping Name: PROPYLENE GLYCOL  
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).

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## **15 REGULATORY AND OTHER INFORMATION**

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

### **Poisons Schedule (Aust)**

Not scheduled

### **National/Regional Inventories**

Australia (AICS): Listed

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Canada (DSL): Listed

Europe (EINECS): 200-338-0

New Zealand (NZIoC): Listed

USA (TSCA): Listed

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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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