

# 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: Ethylhexylglycerin  
Reference number: RMTR-0473A  
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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**Doc:** RMSDS - Ethylhexylglycerin

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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 according to Regulation (EC) No 1272/2008 respectively UN GHS**

H318 Causes serious eye damage.

H332 Harmful if inhaled.

H412 Harmful to aquatic life with long lasting effects.

**Labelling according to Regulation (EC) No 1272/2008 respectively UN GHS**

The substance is classified and labelled according to the CLP regulation.

- Signal word: Danger
- Hazard-determining components of labelling: 3-(2-ethylhexyloxy)propane-1,2-diol
- Hazard statements  
H332 Harmful if inhaled.  
H318 Causes serious eye damage.  
H412 Harmful to aquatic life with long lasting effects.
- Precautionary statements  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P391 Collect spillage.

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## 3 COMPOSITION/ INFORMATION ON INGREDIENTS

Ingredients	CAS Number	Molecular Weight	Empirical formula
-(2-ethylhexyloxy)propane-1,2-diol	70445-33-9	204.4 g/mol	C <sub>11</sub> H <sub>24</sub> O <sub>3</sub>

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## 4 FIRST AID MEASURES

Inhalation:	If respiratory irritation occurs, remove individual to fresh air.
Ingestion:	For external use only, do not swallow. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/ doctor
Skin contact:	If necessary, remove contamination clothing. Wash off with soap and plenty of water. In all cases of doubt seek medical advice.
Eye contact:	Remove contacts lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. In all cases of doubt seek medical advice.
Most important symptoms and effects, both acute and delayed (if relevant):	Symptoms and effects are described in section 2 and 11.
Indication of any immediate medical attention and special treatment needed:	Notes to physician: Treat symptomatically.

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## 5 FIRE FIGHTING MEASURES

Suitable extinguishing media: In case of fire, use water spray jet, extinguishing powder, CO<sub>2</sub>, foam.

Not suitable extinguishing media: None to our knowledge.

Special hazards arising from the substance or mixture: In case of fire, toxic incineration products may be released such as: Carbon monoxide (CO)

Advice for firefighters: In the event of fire, wear self-contained breathing apparatus. Cool containers/ tanks with water spray. Dike and collect water used to fight fire. Keep people away from upwind of fire.

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## 6 ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear protective clothing. Keep unprotected persons away.

Environmental precautions: Prevent leakage or spillage. Do not discharge product into the aquatic environment without pre-treatment.

Methods for cleaning up:

- Neutralization: Soak up with suitable binder: multi-purpose absorbent.
  - Cleaning/ decontamination: Collect large amounts in suitable container. Cover the rest with absorbent, mix intensively and collect mechanically.
  - Disposal: Dispose of contaminated materials in accordance with current regulations.
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## 7 HANDLING AND STORAGE

Precautions for safe handling:

- |   |   |
|---|---|
| 1- General protective measures:                                 | 1- Avoid contact with skin, inside of the eye and clothing. Wash hands before breaks and after handling product. Provide sufficient air exchange and/ or exhaust in work rooms. |
| 2- Measures to prevent Fire:                                    | 2- Keep away from sources of ignition – no smoking.   |
| - Conditions for safe storage, including any incompatibilities: | Keep containers/ package tightly closed in a cool, well ventilated place. Avoid direct sunlight. Handle and open containers with care.  |
| - Specific and uses   | No further information available.   |
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## 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Control Parameters

- DNELs  
1 mg/kg bw/d, worker, contact with the skin, long-term, systemic effects  
1.55 mg/m<sup>3</sup>, worker, inhalation, acute, systemic effects  
0.875 mg/m<sup>3</sup>, worker, inhalation, long-term, systemic effects
- PNECs  
0.15 mg/l, water, weighting factor -  
0.19 mg/l, sediment, weighting factor -  
0.015 mg/l, sea water, weighting factor -  
5.6 mg/l, sewage treatment plant (STP), Assessment factor -

Exposure Controls:

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- **General Engineering Measures** Local ventilation is usually preferred. If the ventilation is suitable, it is not essential to wear respiratory equipment.
  - **General Industrial Hygiene Practices** Do not breathe mist/vapour/spray. Avoid contact of chemicals with skin, inside of the eye and clothing. Wash hands during work breaks and at the end of the shift. Ensure that eyewash stations and safety showers are close to the workstation location.
  - **General Respiratory Protection** Use respiratory equipment if aerosol or mist is formed. Half- or full face mask with filter A2B2E2K2HG-P3 recommended.
  - **General Hand Protections Measurements** Chemical protective gloves according to DIN EN 374 with CE-labelling. Check the condition of protective gloves after each use for any damages like holes, cuts or tears. Do not wear protective gloves longer than necessary. After use of gloves apply skin-cleaning agents and skin cosmetics.  
Material of gloves Nitrile rubber, NBR  
Thickness: 0.4 mm; break-through time: 480 min; material: Nitrile; permeation: level 6
  - **General Eye Protection Measures** Wear safety goggles with CE label.

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## 9 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State: liquid  
Colour: colourless, clear  
Odour: Characteristic

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Melting point/ freezing point:	- 80 °C
Initial boiling point and boiling range:	> 285 °C
Flash Point:	152 °C
Auto-ignition Temperature:	250 °C
Self-flammability:	Product is not self-igniting.
Density @ 20 °C:	ca. 0.95 g/cm <sup>3</sup>
Solubility in / Miscibility with Water @ 25 °C:	0.0001 g/l
Viscosity, dynamic @ 20 °C:	144 mPas
Explosive properties:	Product is not explosive.
Oxidizing Properties:	None
Vapour Pressure @ 20 °C:	0.003 hPa
pH:	6 - 7

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## 10 STABILITY AND REACTIVITY

Reactivity:	Up to now, no dangers resulting from a reactivity of the mixture have been identified.
Possibility of Hazardous:	None known under recommended storage conditions and normal usage conditions.
Conditions to Avoid:	Before handling, the product should not be diluted or mixed with other chemicals, in order to avoid any negative influences on the ingredient(s).

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## 11 TOXICOLOGICAL INFORMATION

Acute Toxicity: Harmful if inhaled.

<b>Acute toxicity estimates (ATE) or LD<sub>50</sub>/LC<sub>50</sub> values:</b>		
<b>70445-33-9 3-(2-ethylhexyloxy)propane-1,2-diol</b>		
Oral	LD <sub>50</sub>	> 2,000 mg/kg (rat) (OECD 401) literature
Dermal	LD <sub>50</sub>	> 2,000 mg/kg (rabbit) (OECD 402) literature
Inhalation	LC <sub>50</sub> / 4 h, dusts and mists	2.8-3.2 mg/l (rat) (OECD 403) literature

Skin corrosion/irritation: Based on the available data, the classification criteria are not met

<b>Results of studies:</b>		
<b>70445-33-9 3-(2-ethylhexyloxy)propane-1,2-diol</b>		
Irritation of skin	OECD 404 (acute dermal irritation/corrosion)	(rabbit) non-irritating - literature

Serious eye damage/irritation: Causes serious eye damage.

<b>Results of studies:</b>		
<b>70445-33-9 3-(2-ethylhexyloxy)propane-1,2-diol</b>		
Irritation of eyes	OECD 405 (irritation/corrosion acute eye)	(rabbit) severe irritant - literature

Sensitisation: Based on the available data, the classification criteria are not met.

<b>Results of studies:</b>		
<b>70445-33-9 3-(2-ethylhexyloxy)propane-1,2-diol</b>		
Sensitisation	OECD 429 (LLNA)	(mouse) non-sensitising - literature
	OECD 406 (Buehler-Test)	(Guinea pig) non-sensitising - literature

Germ cell mutagenicity: Based on the available data, the classification criteria are not met.

Carcinogenicity: Based on the available data, the classification criteria are not met.

Reproductive toxicity: Based on the available data, the classification criteria are not met.

STOT-single exposure: Based on the available data, the classification criteria are not met.

STOT-repeated exposure: Based on the available data, the classification criteria are not met.

Aspiration hazard: Based on the available data, the classification criteria are not met.

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## 12 ECOLOGICAL INFORMATION

### Toxicity

- Aquatic Toxicity

<b>Aquatic toxicity:</b>	
<b>70445-33-9 3-(2-ethylhexyloxy)propane-1,2-diol</b>	
EC <sub>50</sub> / 72 h	48.28 mg/l (Desmodesmus subspicatus) literature
EC <sub>50</sub> / 48 h	78.3 mg/l (Daphnia) literature
LC <sub>50</sub> / 96 h	60.2 mg/l (Brachydanio rerio) literature
NOEC / 72 h	22.17 mg/l (Desmodesmus subspicatus) Dossier (REACH)

### \* Evaluation:

Based on the available data the classification criteria for hazard classes aquatic acute (short term) toxicity are not fulfilled.

Harmful to aquatic life with long lasting effects.

- Toxicity on activated sludge organisms: If contaminated effluent water is properly entered into the sewage any interference with the degrading activity of the activated sludge organisms is not expected.

### Persistence and degradability

- Rapid degradability of organic substances: The product is slightly biodegradable.

### Bioaccumulative potential

<b>BCF / LogKow:</b>	
<b>70445-33-9 3-(2-ethylhexyloxy)propane-1,2-diol</b>	
OECD 117 Log Kow Partition Coefficient	2.53 (n-octanol/water) literature

### \* Evaluation:

Not worth-mentioning accumulating in organisms

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## 13 DISPOSAL CONSIDERATIONS

Waste treatment methods: The generation of waste should be avoided or minimized wherever possible. Must be specially treated as hazardous waste under adherence to official regulations. Packaging can be reused or recycled after cleaning. Do not allow cleaning liquid to enter into drains. Do not allow to enter into water. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

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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:

- Inventory Status Australian Inventory of Chemical Substances (AICS): Substance is 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.

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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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