

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:	Phenoxyethanol Ethylhexylglycerin
SKU:	RMTR-0239A
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

Trade Name: Phenoxyethanol Ethylhexylglycerin
Trulux SKU RMTR-0239A
Doc: RMSDS - Phenoxyethanol Ethylhexylglycerin

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1.5 EMERGENCY CONTACTS - INSTITUTIONAL CENTRES

Australia

Poisons Information Centre 13 11 26

2 HAZARDS IDENTIFICATION

Classification of the substance or mixture

In accordance with Regulation (EC) No 1272/2008



Corrosion

Eye Dam. 1 H318 Causes serious eye damage.



Acute Tox. 4 H302 Harmful if swallowed.

Label elements

In accordance with Regulation (EC) No 1272/2008

The product is labelled according to the CLP regulation.

Hazard pictograms



GHS05



GHS07

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Signal word

Danger

Hazard-determining components of labelling:

2-Phenoxyethanol

3-(2-ethylhexyloxy)propane-1,2-diol

Hazard statements

Harmful if swallowed.

Causes serious eye damage.

Precautionary statements

Wear eye protection / face protection.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

Store in a well-ventilated place. Keep container tightly closed.

Store locked up.

Safety Phrases

S-Phrases are listed in section 15.

Other hazards

None.

3 COMPOSITION/ INFORMATION ON INGREDIENTS

Dangerous components

Ingredient Name	CAS Number	Index Number	Classification	Concentration (%)
2-Phenoxyethanol	122-99-6	603-098-00-9	Acute Tox. 4, H302; Eye Irrit. 2, H319	> 25.0
3-(2-ethylhexyloxy)propane-1,2-diol	70445-33-9	603-168-00-9	Eye Dam. 1, H318	

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			Acute Tox. 4, H332 Aquatic Chronic 3, H412	5.0 - 10.0
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Relevant phrases

H302 Harmful if swallowed.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H412 Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms

Acute Tox. 4: Acute toxicity - oral – Category 4
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

4 FIRST AID MEASURES

Inhalation

Supply fresh air; consult doctor in case of symptoms.

Skin Contact

Wash with plenty of soap and water.

Eye Contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Consult an eye specialist immediately.

Ingestion

Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTRE/ doctor.

Indication of any immediate medical attention and special treatment needed

If swallowed, gastric irrigation with activated carbon. Rinse eyes thoroughly with physiological saline.

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5 FIRE FIGHTING MEASURES

Suitable extinguishing media

Water spray jet, extinguishing powder, CO₂, foam.

Product is non combustible. Use fire fighting measures that suit the environment.

Unsuitable extinguishing agents for reasons of safety

None.

Special hazards arising from the substance or mixture

In case of fire, toxic incineration products may be released such as:

Nitrogen oxides (NO_x)

Carbon monoxide (CO)

Protective equipment

Wear self-contained breathing apparatus.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Wear protective equipment.

Keep unprotected persons away. When selecting the protective suit attention has to be paid to the complete and safe protection of skin and mucous membranes. Impermeable protective clothes, protective boots made of neoprene, complete face protection and nitrile-rubber-gloves with long tops should be worn.

Environmental precautions

Do not allow product to enter waters without treatment in a (biological) water treatment plant.

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Methods and material for containment and cleaning up

Collect large amounts in suitable container. Cover the rest with absorbent, mix intensively and collect mechanically.

Suitable binder: multi-purpose absorbent.

Dispose of contaminated material as waste according to item 13.

Provide adequate ventilation.

Reference to other sections

None.

7 HANDLING AND STORAGE

Precautions for safe handling

Provide good room ventilation or local exhaust ventilation at the workplace.

Handle product in closed systems preferably.

Assess hazards arising from work equipment and work places.

Information about protection against explosion and fire

No special measures required.

Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and containers

Ensure sufficient ventilation. Should be stored in the delivery-container preferably.

Keep containers tightly sealed.

Information about storage in a common storage facility

None.

Further information about storage conditions

None.

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8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Control parameters

Components with critical values that require monitoring at the workplace

None established.

Technical protective equipment

In case of contamination devices to rinse eyes or skin immediately under running water must be available.

Personal protective equipment

General protective and hygienic measures

Avoid contact with the eyes and the skin.

Wash hands during work breaks and at the end of the shift.

Use skin cream for skin protection.

Provide skin protection plan.

Respiratory protection

Respirator with filter for use against organic gases and vapours, boiling point above 65 °C and particles (EN 14387).

Use respiratory equipment if the OEL is exceeded.

Hand protection



Chemical protective gloves (EN ISO 374-1:2016)

Check the condition of protective gloves after each use for any damages like holes, cuts or tears. After use of gloves apply skin-cleaning agents and skin cosmetics.

Do not wear protective gloves longer than necessary.

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Material of gloves

Nitrile rubber, NBR

Penetration time of glove material

Thickness: 0.4 mm; break-through time: 480 min; material: Nitrile; permeation: level 6

Gloves made of the following materials are not suitable

Gloves for mechanical protection do not provide protection against chemicals.

Eye protection



Goggles (EN 166:2001)

Body protection:



Protective clothing (EN 14605:2009-08)

Risk management measures

The operators shall be instructed adequately.

The workplace shall be inspected regularly by competent personnel e.g. the safety representative.

9 PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Colour:	Colourless, clear
Odour:	Mild
Initial boiling point and boiling range:	244 °C (CAS: 122-99-6)

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Flash Point:	126 °C (CAS: 122-99-6)
Self-inflammability:	Product is not self-igniting.
Water solubility:	Not miscible or difficult to mix.
Explosive properties:	Product is not explosive. However, formation of explosive air/gas mixtures is possible.
Oxidising properties:	None
Vapour pressure at 20 °C:	0.01 hPa (CAS: 122-99-6)
Density at 20 °C:	1.087-1.092 g/cm ³
Critical values for explosion:	Lower: 1 Vol % (CAS: 122-99-6) Upper: 9 Vol % (CAS: 122-99-6)

10 STABILITY AND REACTIVITY

Reactivity

The evaluation of the relevant available information does not show an indication of any metal corrosive property.

Conditions to be avoided

Before handling, the product should not be diluted or mixed with other chemicals, in order to avoid any negative influences on the ingredient(s).

Possibility of hazardous reactions

No dangerous reactions known.

Hazardous decomposition product

None, if storage and handling is done according to specification.

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11 TOXICOLOGICAL INFORMATION

Acute toxicity

Harmful if swallowed.

Acute toxicity estimates (ATE) or LD ₅₀ /LC ₅₀ values:		
Oral	ATE	1,430 mg/kg (calculated)
Dermal	ATE	> 2,000 mg/kg (calculated)

Skin corrosion/irritation

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

Results of studies:	
122-99-6 2-Phenoxyethanol	
OECD 404	(rabbit) not irritating - Dossier (REACH)
70445-33-9 3-(2-ethylhexyloxy)propane-1,2-diol	
OECD 404	(rabbit) non-irritating - literature

Serious eye damage/irritation

Causes serious eye damage.

Results of studies:	
122-99-6 2-Phenoxyethanol	
OECD 405	(rabbit) irritating - Dossier (REACH)
70445-33-9 3-(2-ethylhexyloxy)propane-1,2-diol	
OECD 405	(rabbit) severe irritant - literature

Sensitisation

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

Results of studies:	
122-99-6 2-Phenoxyethanol	

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OECD 406 (Buehler-Test)	(Guinea pig) not sensitising - dossier (REACH)
70445-33-9 3-(2-ethylhexyloxy)propane-1,2-diol	
OECD 429	(mouse) non-sensitising - literature
OECD 406 (Buehler-Test)	(Guinea pig) non-sensitising - literature

CMR effects from tests (carcinogenicity, mutagenicity and toxicity for reproduction)

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

12 ECOLOGICAL INFORMATION

Toxicity

Aquatic toxicity	
122-99-6 2-Phenoxyethanol	
EC ₅₀ / 72 h	> 100 mg/l (Desmodesmus subspicatus) (OECD 201) literature
EC ₅₀ / 48 h	> 100 mg/l (Daphnia) (OECD 202) literature
LC ₅₀ / 96 h	344 mg/l (fathead minnow) (OECD 203) Dossier (REACH) > 100 mg/l (Desmodesmus subspicatus) (OECD 201) literature
NOEC (dynamic)	23 mg/l (fathead minnow) literature
NOEC / 21 d (static)	9.43 mg/l (Daphnia) literature
NOEC / 28 d	24 mg/l (Fish) literature
NOEC / 96 h	46 mg/l (Desmodesmus subspicatus) (OECD 201) literature
70445-33-9 3-(2-ethylhexyloxy)propane-1,2-diol	
EC ₅₀ / 72 h	48.28 mg/l (Desmodesmus subspicatus) Dossier (REACH)
EC ₅₀ / 48 h	78.3 mg/l (Daphnia) Dossier (REACH)
LC ₅₀ / 96 h	60.2 mg/l (Brachydanio rerio) literature
NOEC / 21 d	20 mg/l (Daphnia) (OECD 211) Dossier (REACH)
NOEC / 28 d	1.5 mg/l (Brachydanio rerio) (OECD 210) Dossier (REACH)
NOEC / 72 h	22.17 mg/l (Desmodesmus subspicatus) (OECD 201) Dossier (REACH)

Evaluation

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

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Based on the available data the classification criteria for hazard classes aquatic, chronic (long term) toxicity are not fulfilled.

Toxicity on activated sludge organisms:	
122-99-6 2-Phenoxyethanol	
EC ₁₀ / 17h	320 mg/l Dossier (REACH)
EC ₅₀ / 3 h	> 1,000 mg/l (OECD 209) literature
70445-33-9 3-(2-ethylhexyloxy)propane-1,2-diol	
Activated Sludge, Respiration Inhibition Test	560 mg/l Dossier (REACH)

Evaluation

If contaminated effluent water is properly entered into the sewage system, any interference with the degrading activity of the activated sludge organisms is not expected.

Persistence and degradability

Method

Rapid degradability of organic substances:	
122-99-6 2-Phenoxyethanol	
OECD 301 A DOC Die-Away-Test	> 90 % Dossier (REACH)
70445-33-9 3-(2-ethylhexyloxy)propane-1,2-diol	
OECD 301 D Closed-Bottle-Test	20.6 % inherent biodegradable - REACH dossier

Evaluation

This mixture contains ingredients that are not rapid degradable in water.

Behaviour in sewage treatment plants:	
122-99-6 2-Phenoxyethanol	
OECD 302 B Zahn-Wellens Test	80 - 90 % Dossier (REACH)
70445-33-9 3-(2-ethylhexyloxy)propane-1,2-diol	
OECD 303 A - Activated Sludge Simulation Test	45 % (Activated Sludge) DOC removal, REACH dossier

Evaluation

The product is eliminated in waste water treatment plants by physical and biological means.

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Bioaccumulative potential

BCF / LogKow:	
122-99-6 2-Phenoxyethanol	
OECD 305 Bioconcentration factor	0.35 (-) literature
OECD 107 LogKow (Shake Flask Method)	1.19 (n-octanol/water) S 5167
70445-33-9 3-(2-ethylhexyloxy)propane-1,2-diol	
OECD 117 Log Kow Partition Coefficient	2.53 (n-octanol/water) literature

Evaluation

Not worth-mentioning accumulating in organisms.

Results of PBT and vPvB assessment

PBT: This mixture does not contain substances that meet the PBT-criteria of REACH, annex XIII.

vPvB: This mixture does not contain substances that meet the vPvB-criteria of REACH, annex XIII.

Other adverse effects

None.

Additional information

Metals and their compounds (Directive 2006/11/EC)

None.

European Water Framework Directive (2000/60/EC)

The product does not contain any priority substances according WFD that require a water monitoring.

Absorbable organic halogen compounds (AOX - DIN EN ISO 9562 H 14)

The product does not contain substances, which can influence the AOX of waste water.

13 DISPOSAL CONSIDERATIONS

Waste treatment methods

Recommendation: Hazardous waste. Separate waste disposal to be applied.

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Contaminated packaging

Recommendation: Packaging can be reused or recycled after cleaning. Cleaning liquid can be fed to a biological wastewater treatment plant.

Recommended cleaning agent

Water, if necessary with cleaning agent.

14 TRANSPORT INFORMATION

UN-Number

ADG, IMDG, IATA

None

UN proper shipping name

ADG, IMDG, IATA

None.

Transport hazard class(es)

ADG, IMDG, IATA / Class

None.

Packing group

ADG, IMDG, IATA

None.

Environmental hazards

Marine pollutant

No.

Special precautions for user

Not applicable.

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Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable.

Transport/Additional information

No dangerous goods.

UN "Model Regulation"

None.

15 REGULATORY AND OTHER INFORMATION

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

Australian Inventory of Chemical Substances (AICS)

All ingredients are listed.

Standard for the Uniform Scheduling of Medicines and Poisons

122-99-6 2-Phenoxyethanol S6

Directive 2012/18/EU - Seveso III

Named dangerous substances - ANNEX I

None.

Volatile organic carbons (VOC)

Directive 2010/75/EU

This product does not contain relevant amounts of "Volatile Organic Compounds" (VOC). 0.00 %.

Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

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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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