

## PHENOXYETHANOL – SAFETY DATA SHEET

### SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

#### PRODUCT IDENTIFIER

Product name	Phenoxyethanol
Chemical Family	Glycol Ether
Recommended Use	Preservative

#### DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Registered distributor company name	Pure Ingredients Ltd
Address	626A Rosebank Road, Avondale, Auckland 1026 New Zealand
Telephone	+649 8135619
Website	www.pureingredients.co.nz
Email	info@pureingredients.co.nz

#### EMERGENCY TELEPHONE NUMBER

CHEMCALL	0800 CHEMCALL / 800 243 622 (24hr)
Emergency telephone numbers	111
Others	NZ Poisons Centre 0800 POISON (0800 764 766)

### SECTION 2 HAZARDS IDENTIFICATION

**New Zealand Hazardous Substances Classification:** This product has been classified as hazardous according to criteria in the New Zealand Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.



**HSNO Classification:** 6.1D (oral), 6.1D (dermal), 6.1D (inhalation), 6.4A, 6.8B, 9.3C

#### Warning

Harmful if swallowed. Harmful in contact with skin. Harmful if inhaled. Causes serious eye irritation. Suspected of damaging fertility or the unborn child  
Harmful to terrestrial vertebrates.

#### Prevention

Keep out of reach of children. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood Avoid breathing mist/vapours/spray. Wash hands, face and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. Use personal protective equipment as required.

#### Response

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.

IF ON SKIN: Wash with plenty of soap and water. Call a POISON CENTER or doctor/physician if you feel unwell. Wash contaminated clothing before reuse.

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

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 IF exposed or concerned: Get medical advice/attention.

#### Storage

Store locked up

#### Disposal

Dispose of substance and packaging through a licensed waste contractor and in accordance with the Hazardous Substances (Disposal) Regulations 2001 and local bylaws.

### SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

CAS No.	122-99-6	Synonym	2-phenoxyethanol; Ethylene glycol monophenyl ether; Phenylglycol
Proportion (%)	≥ 99%		

### SECTION 4 FIRST AID MEASURES

NZ Poisons Centre 0800 POISON (0800 764 766) | NZ Emergency Services: 111

Inhalation	Move the victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention if concerned.
Skin Contact	Wash with soap and water. Seek medical attention if any irritation occurs
Eye Contact	Hold eyelids apart and flush the eye with running water for at least 15 minutes. Seek medical attention if irritation persists
Ingestion	Wash mouth with water. Do not induce vomiting. Seek medical attention if concerned or if large amount has been consumed.
Medical Attention	Treat according to symptoms. Avoid gastric lavage: risk of aspiration of product to the lungs with the potential to cause chemical pneumonitis.

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## SECTION 5 FIREFIGHTING MEASURES

suitable extinguishing media	use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
unsuitable extinguishing media	none specified
special hazards arising from the substance or mixture	carbon oxides.
advice for firefighters	wear self-contained breathing apparatus for firefighting if necessary

## SECTION 6 ACCIDENTAL RELEASE MEASURES

Accidental Release Controls	Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Do not let product enter drains.
Emergency Procedure	Prevent material from escaping to drains and waterways. Contain leaking packaging in a
Methods and materials for containment and cleaning up	<p>Minor Land Spill: Eliminate sources of ignition. Warn occupants of downwind areas of possible fire and explosion hazard. Prevent product from entering sewers, watercourses, or low-lying areas. Keep the public away from the area. Shut off the source of the spill if possible and safe to do so. Advise authorities if substance has entered a watercourse or sewer or has contaminated soil or vegetation. Take measures to minimise the effect on ground water. Contain any spilled liquid with sand or earth. Recover liquid spills by pumping – use explosion proof pump or hand pump – or with a suitable absorbent material. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations. See “First Aid Measures” and “Stability and Reactivity”.</p> <p>Major Land Spill: Eliminate any sources of ignition. Warn occupants and shipping in downwind areas of possible fire and explosion hazard. Notify the port or relevant authority and keep the public away from the area. Shut off the source of the spill if possible and safe to do so. Confine the spill if possible. Remove the product from the surface by skimming or with suitable absorbent material. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations. See “First Aid Measures” and “Stability and Reactivity”.</p>

## SECTION 7 HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Normal measures for preventive fire protection.
Storage	Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Store under inert gas.
Incompatible materials	Oxidising agents

## SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

**National Exposure Standards:** The time weighted average (TWA) concentration, which means the highest allowable exposure concentration in an eight-hour day for a five-day working week for this product is: No values established. The short-term exposure limit (STEL), which is the maximum allowable exposure concentration at any time is: No values established.

**Biological limit values:** No values established

**Engineering Controls:** Ventilation: The use of local exhaust ventilation is recommended to control process emissions near the source. Laboratory samples should be handled in a fume hood. Provide mechanical ventilation of confined spaces. Use explosion-proof ventilation equipment.

**Personal Protective Equipment**

**Respiratory Protection:** Where concentrations in air may exceed the limits described in the National Exposure Standards, it is recommended to use a half-face or full-face filter mask to protect from overexposure by inhalation.

Refer to AS/NZS 1715: Selection, Use and Maintenance of Respiratory Equipment and AS/NZS 1716: Respiratory Protective Devices for further details on the use of respiratory protective equipment.

**Eye Protection:** Always use safety glasses or a face shield when handling this product.

**Skin/ Body Protection:** Always wear long sleeves and long trousers or coveralls, and enclosed footwear or safety boots when handling this product. It is recommended that chemical resistant gloves (e.g. PVC) be worn when handling this product. of protection, use a fullface supplied air respirator. Use respirators and components tested and approved under appropriate government standards.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid	Flammability	No data available
Colour	See product specs	Explosive Limits	Upper explosion limit: 9 %(V) Lower explosion limit: 1,4 %(V)
Odour	Not available	Vapour Pressure	No data available
pH	See product specs	Vapour Density	4.77 (Air = 1.0)
Melting Point / Freezing Point	11-13°C	Relative Density	See product specs
Initial Boiling Point/Range	237°C at 1.013 hPa	Solubility	No data available
Flash Point	121°C (closed cup)	Partition coefficient	log P <sub>OW</sub> = 1.13
Evaporation Rate	No data available	Viscosity (dynamic)	No data available

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### SECTION 10 STABILITY AND REACTIVITY

Chemical Stability: Stable at room temperature and pressure  
Conditions to be avoided: Sources of heat and ignition, open flames  
Materials to avoid: None identified  
Hazardous decomposition products: None identified  
Hazardous Polymerisation: Not likely to occur

### SECTION 11 TOXICOLOGICAL INFORMATION

Acute Effects: Ingestion - No information available. Eye Contact - No information available. Skin Contact - No information available Inhalation  
No information available. Chronic Effects - No information available. Other Health Effects: Information No additional information available

#### Toxicological Information:

Oral / Dermal LD50: LD50 (oral, rat): 1260mg/kg. Remarks: Behavioural: General Anaesthetic. Gastrointestinal: Other changes. Kidney, Ureter, Bladder:  
Other changes; LD50 (dermal, rat): 14,422mg/kg, Remarks: Lungs, thorax, or respiration: Acute pulmonary edema LD50 (mouse):  
Inhalation LC50: LC50 - Leuciscus Idus (Golden Orfe) >100mg/L/ 96h  
Acute Toxicity (6.1A, 6.1B, 6.1C, 6.1D): Harmful if swallowed, inhaled, or in contact with skin.  
Aspiration Hazard (6.1E): Not classified  
Respiratory Irritation (6.1E): Not classified  
Skin Corrosion/Irritation (8.2A, 8.2B, 8.2C, 6.3A): Not classified  
Skin - rabbit - mild skin irritation - 24h  
Serious Eye damage/irritation (8.3A, 6.3A): Causes serious eye irritation  
Eyes - rabbit - moderate eye irritation  
Respiratory or Skin Sensitisation (6.5A, 6.5B): Not classified  
Germ cell mutagenicity (6.6A, 6.6B): Not classified  
Carcinogenicity (6.7A, 6.7B): Not classified  
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by  
IARC  
Reproductive Toxicity (6.8A, 6.8B, 6.8C): May cause reproductive disorders  
Specific Organ Toxicity (Repeated and Single Exposure) (6.9A, 6.9B): Not classified  
Narcotic Effects (6.9B): Not classified

### SECTION 12 ECOLOGICAL INFORMATION

Aquatic toxicity: Toxicity to fish LC<sub>50</sub> - Leuciscus idus (Golden orfe) > 100 mg/L/ 96 h  
Crustacean toxicity(Daphnia Magna),EC50(48hr) /Green algae toxicity,EC50(72 hr), Blue-green algae toxicity(Cyanobacteria),EC50(72 hr):Not classified  
Persistence and degradability: Readily biodegradable.  
Bioaccumulative potential: No data available  
Mobility in soil: No data available  
Other: Harmful to terrestrial vertebrates: Harmful to terrestrial vertebrates.

### SECTION 13 DISPOSAL CONSIDERATION

Dispose Methods: Empty packaging should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Care should be  
taken to ensure compliance with national and local authorities. Packaging may still contain harmful residue and/or fumes and vapours that are flammable.  
Ensure that empty packaging is allowed to dry.  
Special Precautions for Landfill or Incineration

### SECTION 14 TRANSPORT INFORMATION

This product is not regulated for transport.  
Dangerous Goods Segregation: This product is classified as Dangerous Goods Class N/R, packing group N/R.

### SECTION 15 REGULATORY INFORMATION

Country/ Region: New Zealand  
Inventory: NZIoC  
Status: Components are listed in NZIoC or exempt  
HSNO Approval: HSR002503: Additives, Process Chemicals and Raw Materials (Subsidiary Hazard) Group Standard 2017 HSNO/HSWA Controls:  
Refer to the above Group Standard, Health and Safety at Work Act 2015, [www.epa.govt.nz](http://www.epa.govt.nz) and [www.worksafe.govt.nz](http://www.worksafe.govt.nz) for further information on  
controls  
Certified Handler: Not required  
Tracking: Not required  
Restriction to workplace: Not applicable q  
Fire extinguishers: Not required  
Secondary containment: Threshold quantity: 1,000 L  
Montreal Protocol on Substances that Deplete the Ozone Layer: Not applicable  
Stockholm Convention: Not applicable  
Signage: Threshold quantity: 10,000 L  
Emergency Response Plan: Threshold quantity: 1,000 L  
Agricultural Compounds and Veterinary Medicines Act 1997 (ACVM): Not applicable  
Rotterdam Convention: Not applicable

### SECTION 16 OTHER INFORMATION

The information contained in this Safety Data Sheet is obtained from current and reliable sources. Pure Ingredients Ltd provides the information contained  
herein in good faith but makes no representation as to its comprehensiveness or accuracy. This Safety Data Sheet summarises our best current knowledge of  
the health and safety hazard information of the product, but does not claim to be all inclusive. This document is intended only as a guide to the appropriate  
handling of this material.

References:  
Manufactures Safety Data Sheet

Version: 02 Revision Date: 26/09/2019: PIL SDS.  
Version: 03 Revision Date: 04/05/2020: PIL SDS Change of address - no changes to SDS.