

Infosafe No™ 1CH0H Issue Date : November 2021 RE-ISSUED by CHEMSUPP

Product Name **2-PHENOXYETHANOL**

Classified as hazardous

1. Identification

GHS Product Identifier	2-PHENOXYETHANOL	
Company Name	CHEMSUPPLY AUSTRALIA PTY LTD (ABN 19 008 264 211)	
Address	38 - 50 Bedford Street GILLMAN SA 5013 Australia	
Telephone/Fax Number	Tel: (08) 8440-2000	
Emergency phone number	CHEMCALL 1800 127 406 (Australia) / +64-4-917-9888 (International)	
E-mail Address	www.chemsupply.com.au	
Recommended use of the chemical and restrictions on use	Solvent for cellulose acetate, dyes; inks, resins, stamp pad, ball point, and specialty inks; textile dye carrier; solvent for cleaners; organic synthesis of plasticizers, germicides, pharmaceuticals, chemical intermediate for carboxylic acid esters, e.g., acrylate, maleate, 2-phenoxyethanol phosphate and salts, polymers (e.g., with formaldehyde and melamine); fixative for perfumes, cosmetics and soaps; as bactericide in conjunction with quaternary ammonium compound; as insect repellent; medication; long-term preservation of human anatomical specimens for dissection and demonstration purposes.	
Other Names	<u>Name</u>	<u>Product Code</u>
	Ethylene glycol monophenyl ether	
	Phenyl cellosolve	
	2-PHENOXYETHANOL	PP195
	2 PHENOXYETHANOL LR	PL195

Other Information

ChemSupply Australia Pty Ltd does not warrant that this product is suitable for any use or purpose. The user must ascertain the suitability of the product before use or application intended purpose. Preliminary testing of the product before use or application is recommended. Any reliance or purported reliance upon ChemSupply Australia Pty Ltd with respect to any skill or judgement or advice in relation to the suitability of this product of any purpose is disclaimed. Except to the extent prohibited at law, any condition implied by any statute as to the merchantable quality of this product or fitness for any purpose is hereby excluded. This product is not sold by description. Where the provisions of Part V, Division 2 of the Trade Practices Act apply, the liability of ChemSupply Australia Pty Ltd is limited to the replacement of supply of equivalent goods or payment of the cost of replacing the goods or acquiring equivalent goods.

2. Hazard Identification

GHS classification of the substance/mixture	Eye Damage/Irritation: Category 2A Acute Toxicity - Oral: Category 4
Signal Word (s)	WARNING
Hazard Statement (s)	H302 Harmful if swallowed. H319 Causes serious eye irritation.
Pictogram (s)	Exclamation mark



Precautionary statement – Prevention	P264 Wash thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P280 Wear protective gloves/protective clothing/eye protection/face protection.
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Precautionary statement – Response P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P330 Rinse mouth.
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.

Precautionary statement – Disposal P501 Dispose of contents/container to an approved waste disposal plant.

3. Composition/information on ingredients

Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	2-Phenoxyethanol	122-99-6	100 %

4. First-aid measures

Inhalation Remove victim to fresh air. Ensure airways are clear and have qualified person give oxygen through a face mask if breathing is difficult. Seek medical advice if effects persist.

Ingestion Rinse mouth thoroughly with water immediately, repeat until all traces of product have been removed. DO NOT INDUCE VOMITING. Seek medical advice if effects persist.

Skin If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Seek medical advice if effects persist.

Eye contact Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. In all cases of eye contamination it is a sensible precaution to seek medical advice.

First Aid Facilities Maintain eyewash fountain and safety shower in work area.

Advice to Doctor Treat symptomatically based on judgement of doctor and individual reactions of the patient.

Other Information For advice, contact a Poisons Information Centre (Phone eg Australia 13 1126; New Zealand 0800 764 766) or a doctor.

5. Fire-fighting measures

Hazards from Combustion Products Toxic and/or irritating fumes including carbon monoxide and carbon dioxide.

Specific Methods Small fire: Use dry chemical, CO2, water spray or foam.
Large fire: Use water spray, fog or foam.
If safe to do so, move undamaged containers from the fire area. Cool containers with flooding quantities of water until well after the fire is out.

Specific hazards arising from the chemical May burn but do not ignite readily. Runoff may pollute waterways. Fire may produce irritating, poisonous and/or corrosive fumes. Containers may explode when heated.

Precautions in connection with Fire Wear SCBA and structural firefighter's uniform.

6. Accidental release measures

Personal Precautions Avoid inhalation, contact with skin, eyes and clothing. Remove ignition sources
Danger of slipping by leaking/spilt product.

Personal Protection Wear protective clothing specified for normal operations (see Section 8)

Clean-up Methods - Small Spillages Absorb or contain liquid with sand, earth or spill control material. Shovel up using non sparking tools and place in a labelled, sealable container for subsequent safe disposal. Put leaking containers in a labelled drum or overdrum.

7. Handling and storage

Precautions for Safe Handling Avoid ingestion and inhalation of gas/fumes/vapour/spray mists. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure. Keep container tightly closed. Use with adequate ventilation. In case of

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Conditions for safe storage, including any incompatibilities	insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Product may solidify at room temperature. Keep away from heat and all sources of ignition. Ground all equipment containing material. Containers of this material may be hazardous and may pose a fire risk when empty since they retain product residues (vapours, liquid), evaporate the residue under a fume hood; observe all warnings and precautions listed for the product.
Storage Temperatures	Store in tightly closed containers, in a cool, dry, well-ventilated area away from incompatible substances. This product should be stored away from foodstuffs and strong oxidising agents. Store under inert gas. Store away from naked flames, sparks and other sources of ignition. Ground all equipment containing material. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents. Product may solidify at room temperature. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warnings and precautions listed for the product.
Unsuitable Materials	Store at room temperature (15 to 25 °C recommended). Copper, aluminium, galvanized steel and galvanized iron.

8. Exposure controls/personal protection

Other Exposure Information	No exposure standards have been established for this product by Safe Work Australia, however, the TWA exposure standard for dusts/mists not otherwise specified is 10 mg/m ³ . All atmospheric contamination should be kept to as low a level as is workable. These Workplace Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These workplace exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.
Appropriate engineering controls	Maintain the concentrations values below the TWA. This may be achieved by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods.
Respiratory Protection	Where ventilation is not adequate, respiratory protection may be required. Avoid breathing vapours or mists. Select and use respirators in accordance with AS 1716 - Respiratory Protective Devices and be selected in accordance with AS 1715 - Selection, Use and Maintenance of Respiratory Protective Devices. When mists or vapours exceed the exposure standards then the use of the following is recommended: Approved respirator with organic vapour and dust/mist filters. Filter capacity and respirator type depends on exposure levels.
Eye Protection	The use of a face shield, chemical goggles or safety glasses with side shield protection as appropriate. Must comply with Australian Standards AS 1337 and be selected and used in accordance with AS 1336.
Hand Protection	Wear gloves of impervious material conforming to AS/NZS 2161: Occupational protective gloves - Selection, use and maintenance. Final choice of appropriate glove type will vary according to individual circumstances. This can include methods of handling, and engineering controls as determined by appropriate risk assessments. Avoid skin contact when removing gloves from hands, do not touch the gloves outer surface. Dispose of gloves as hazardous waste.
Personal Protective Equipment	Personal protective equipment should not solely be relied upon to control risk and should only be used when all other reasonably practicable control measures do not eliminate or sufficiently minimise risk. Guidance in selecting personal protective equipment can be obtained from Australian, Australian/New Zealand or other approved standards.
Footwear	Safety boots in industrial situations is advisory, foot protection should comply with AS 2210, Occupational protective footwear - Guide to selection, care and use.
Body Protection	Flame retardant antistatic protective clothing. Clean clothing or protective clothing should be worn, preferably with an apron. Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against

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Hygiene Measures	Hazardous Chemicals. Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.
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9. Physical and chemical properties

Form	Liquid
Appearance	Oily colourless liquid.
Odour	Faint aromatic odour.
Melting Point	~ 13 °C
Freezing Point	12 °C
Boiling Point	244 - 250 °C (1013 hPa)
Solubility in Water	Moderately soluble (24 g/l (20 °C)).
Solubility in Organic Solvents	Freely soluble in alcohol, ether, and sodium hydroxide; soluble in alkali.
Specific Gravity	1.1094 @ 20 °C/20 °C
pH	~7 (10 g/l, H ₂ O, 23 °C)
Vapour Pressure	0.04 mm Hg at 25 °C
Vapour Density (Air=1)	4.77
Evaporation Rate	0.001 (n-butyl acetate=1)
Coefficient Water/Oil Distr.	The product is equally soluble in oil and water; log(oil/water) = 0.1.
Viscosity	20 mPas (20 °C)
Partition Coefficient: n-octanol/water	log Kow= 1.16 (measured); log Pow= 1.16 (experimental).
Flash Point	121 °C (CC).
Flammability	Combustible.
Auto-Ignition Temperature	~535 °C.
Flammable Limits - Lower	1.4 Vol%
Flammable Limits - Upper	9.0 Vol%
Molecular Weight	138.17
Dynamic Viscosity	30 mPa*s (20 °C)
Other Information	Taste: Burning taste.

10. Stability and reactivity

Chemical Stability	Stable under ordinary conditions of use and storage.
Conditions to Avoid	Heat, flame, other sources of ignition.
Incompatible Materials	Oxidizing agents, acid anhydrides, strong acids and alkalis.
Hazardous Decomposition Products	Toxic and/or irritating fumes including carbon monoxide and carbon dioxide.
Possibility of hazardous reactions	Reactive with oxidizing agents.

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Hazardous Will not occur.

Polymerization

11. Toxicological Information

Acute Toxicity - Oral LD50 (rat): 1850 mg/kg.

Ingestion Harmful if swallowed. Ingestion of this product will irritate the gastric tract causing nausea, vomiting, and sometimes diarrhoea. May cause effects on the central nervous system and peripheral nervous system, resulting in impaired functions. May cause central nervous system depression, characterized by excitement, followed by headache, narcosis, dizziness, drowsiness, and nausea. Advanced stages may cause abdominal pain, lumbar pain, collapse, unconsciousness, coma and possible death due to respiratory failure. May cause costovertebral angle tenderness, kidney failure, cardiovascular disorders. Lesions may appear in the brain, lungs, liver, meninges, and heart.

Inhalation Inhalation of vapours may cause irritations of the mucous membranes of the nose, throat and respiratory system. Symptoms may include coughing, sore throat, breathing difficulties, dyspnoea, euphoria, headache, drowsiness, slurred speech and nausea.

Skin Skin inflammation is characterized by itching, drying, scaling, reddening, or, occasionally, blistering. Risk of absorption! Harmful if absorbed through the skin. Numbness of the hands and fingers.

Eye Causes serious eye irritation. Inflammation of the eye is characterized by redness, watering, tearing, stinging, blurred vision, and itching.

Respiratory sensitisation Not classified based on available information.

Skin Sensitisation Not classified based on available information.

Germ cell mutagenicity Not classified based on available information.

Carcinogenicity Not listed in the IARC Monographs.
Not classified based on available information.

Reproductive Toxicity Not classified based on available information.

STOT-single exposure Not classified based on available information.

STOT-repeated exposure Not classified based on available information.

Chronic Effects Repeated or prolonged exposure to the substance can produce damage to kidneys, the nervous system, and liver. Chronic ingestion may cause effects similar to those of acute ingestion. Repeated or prolonged inhalation of vapours may lead to chronic respiratory irritation. Prolonged exposure to vapours may cause serious damage to the eyes. Prolonged or repeated skin contact may cause defatting leading to dermatitis.

Serious eye damage/irritation Eye Damage/Irritation: Category 2A
H319 Causes serious eye irritation.

Mutagenicity No evidence of mutagenic properties.

Skin corrosion/irritation Not classified based on available information.

12. Ecological information

Ecological Information No ecological problems are to be expected when the product is handled and used with due care and attention.

Ecotoxicity When introduced properly, no impairments in the function of waste-water-treatment plants are to be expected.

Persistence and degradability Biodegradation: 80-90%/28d. Readily biodegradable.

Mobility Distribution: log P(o/w): 1.16 (experimental).

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Bioaccumulative Potential No appreciable bioaccumulation potential is to be expected (log P(o/w) 1-3).

Acute Toxicity - Fish LC50 (L. idus): 220-460 mg/l /96 h.

Acute Toxicity - Daphnia EC50 (Daphnia magna): >500 mg/l /48 h.

Acute Toxicity - Bacteria EC50 (Activated sludge): 1000 mg/l /30 min.

13. Disposal considerations

Disposal Considerations Whatever cannot be saved for recovery or recycling should be disposed of according to relevant local, state and federal government regulations.

14. Transport information

Transport Information Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

15. Regulatory information

Regulatory Information All the constituents of this product are listed on the Australian Inventory of Chemical Substances (AICS), or exempted. Not listed under WHS Regulation 2011, Schedule 10 - Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.

Poisons Schedule S6

16. Other Information

Literature References 'Standard for the Uniform Scheduling of Medicines and Poisons .', Commonwealth of Australia.
National Road Transport Commission, 'Australian Code for the Transport of Dangerous Goods by Road and Rail 7th. Ed.'.
Safe Work Australia, 'National Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals'.
Standards Australia, 'SAA/SNZ HB 76:2010 Dangerous Goods - Initial Emergency Response Guide', Standards Australia/Standards New Zealand.
Safe Work Australia, 'Hazardous Chemical Information System'.
Safe Work Australia, 'National Code of Practice for the Labelling of Safe Work Hazardous Substances'.
Safe Work Australia, 'National Exposure Standards for Atmospheric Contaminants in the Occupational Environment'.

Contact Person/Point Paul McCarthy Ph. (08) 8440 2000 **DISCLAIMER STATEMENT:**
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Empirical Formula & Structural Formula Empirical Formula: C8 H10 O2.
Structural Formula: C6H5OCH2CH2OH.

...End Of MSDS...

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