



Centre Anti-Poison pour le Québec: (800) 463-5060
 Tél. (Qc): (418) 660-8666 / 800-890-8666
 Fax. (Qc): (418) 660-8998

SAFETY DATA SHEET

SECTION 01 - PRODUCT AND COMPANY IDENTIFICATION

Product Identifier 2-PHENOXYETHANOL		Product Use Laboratory use	
Chemical formula C ₈ H ₁₀ O ₂		Product code PP-0128; PR-1128	Molar weight 138,17
Chemical name / Commercial name / Synonymous 2-PHENOXYETHANOL, PHENOXY-2-ETHANOL, 1-HYDROXY-2-PHENOXYETHANE, ETHYLENE GLYCOL MONOPHENYL ETHER, PHENYL CELLOSOLVE, PHENOXYETHYL ALCOHOL, PHENOXETHOL, ETHER MONOPHÉNYLIQUE DE L'ÉTHYLÈNEGLYCOL			
Supplier's name Laboratoire MAT		Address-Street 610, Adanac Street	
City Québec		Province Québec	
Postal code G1C 7B7	Internet www.labmat.com	Phone number 418-660-8666 / 800-890-8666	
Emergency phone	CANUTEC: 613-996-6666	CENTRE ANTI-POISON DU QUÉBEC 800-463-5060	
Date SDS 12/15/2022	SDS Prepared by Laboratoire MAT	E-Mail labmat@labmat.com	

SECTION 02 - HAZARDS IDENTIFICATION

Classification WHIMS / GHS	Serious eye damage/ Eye irritation category 2A Acute toxicity - Oral category 4
Signal Word	WARNING
Hazards statements (H)	H302 Harmful if swallowed. H319 Causes serious eye irritation.
Precautionary statements (P)	P264 Wash the areas of the body that have been in contact with the product after handling. P270 Do not eat, drink or smoke when using this product. P280 Wear protective gloves/protective clothing/eye protection/face protection. P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P330 Rinse mouth. P337 + P313 If eye irritation persists: Get medical advice/attention. P501 Dispose of contents/container in accordance with local / regional / national / international regulations or contact a specialist waste disposal company.
PICTOGRAMS	
Other dangers	NFPA (Risk: 0=No risk; 1=Slight; 2=Moderate; 3=Signifiant; 4=Extreme)
	Health 3 Fire 1 Reactivity 0 Special danger

SECTION 03 - COMPOSITION/INFORMATION ON INGREDIENTS

Ingrédients (Dénomination chimique / synonymes)	Numéro CAS et tout identificateur unique	Concentration (%)
2-phénoxyéthanol	122-99-6	<=100

SECTION 04 - FIRST AID MEASURES

Eye contact	Wash eyes with large amounts of water for at least 15 minutes while holding eyelids apart to rinse eyes. If irritation persists, seek medical attention.
Skin contact	Wash skin with plenty of water for at least 15 minutes. Remove soiled clothing. If irritation persists, seek medical attention.
Inhalation	Move the unwell person to the fresh air. If breathing is difficult, give oxygen. Consult a physician.
Ingestion	If the person is conscious, rinse the mouth with water. Never give anything by mouth to an unconscious person. Consult a physician.
Most important symptoms and effects (acute and delayed)	Main symptoms of high exposure: Skin, eye and respiratory system irritation. Pulmonary edema. To our knowledge, the chemical, physical and toxicological properties have not been fully investigated. Ref. section 11.
Immediate medical attention and special treatment, if necessary	In case of medical consultation, keep this sheet available.
General advice	Show this safety data sheet to the doctor in attendance.

SECTION 05 - FIREFIGHTING MEASURES

Flammability	No
Ignition conditions	Non flammable. It can ignite if heated moderately in the presence of an ignition source. It can also ignite on contact with strong oxidizing materials.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media	Data not available.
Hazardous combustion products	Hazardous combustion products formed under fire conditions: Carbon oxides.
Special fire and explosion hazards	Combustible liquid. Moderate fire hazard in the presence of heat or flame. 2-Phenoxyethanol may react violently with oxidizing products. May react violently with incompatible products (Ref Section 10).
Special protective equipment and precautions for firefighters	Discard incompatible substances if this can be done without risk. Firefighters should be equipped with standard protective equipment, fireproof clothing, face mask, gloves, protective boots and, where appropriate, self-contained breathing apparatus.

SECTION 06 - ACCIDENTAL RELEASE MEASURES

Methods and materials for containment and cleaning up / Personal precautions, protective equipment	Evacuate personnel to safe areas. Avoid breathing vapors, mist or gas. Absorb the product with sand or vermiculite. Dilute residues with water, clean and rinse. Ensure a good ventilation of the premises. Dispose of residues in a container for disposal of hazardous materials. When handling, wear suitable safety equipment. Use breathing apparatus if necessary. Do not use cellulose-based absorbent. Ensure adequate ventilation. Do not let product enter drains.
---	--

SECTION 07 - HANDLING AND STORAGE

Conditions for safe storage	Keep container tightly closed in a dry and well-ventilated place. Store in cool place. Protect against the sun's rays. Keep away from heat and sources of ignition. Keep container tightly closed and store away from oxidizing agents, heat, moisture and incompatible products.
Methods of handling	Avoid contact with the skin, eyes and clothes. Avoid ingestion and inhalation. Ensure good ventilation. Wear personal protective equipment when handling. Always ensure good ventilation. Transport according to TDG (ref Section 14)

SECTION 08 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Workplace control parameters

Components	CAS-No.	Value	Control parameters	Basis
2-PHENOXYETHANOL	122-99-6	TWAEV	25.000000 ppm 141.000000 mg/m3	Canada. Ontario OELs
Remarks	Skin			
		No data available	TLV, TWA, STEL	Ontario Table: Exposure Limits under the Law on the health and safety at work.
	Skin			

Data source	Sigma-Aldrich.
Ventilation	Use fan.
Respiratory	If the permissible levels are exceeded, use a mechanical filter / cartridge against NIOSH vapors or a respirator with air supply.
Gloves	Handle with gloves.
Eyes	Safety goggles with safety shutters.
Shoes	Use safety shoes.
Clothing	Labcoat. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Engineering control	Have safety showers and eyewash stations in the workplace in case of an emergency and a ventilation system to maintain the level of concentrations in the air below the exposure limit values.

SECTION 09 - PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid.
Appearance	Incolore.
Odour	Aromatique.
Odour threshold	Data not available
pH	7 à 10 g/l à 23 °C.
Melting point / Freezing point	11-13°C
Initial boiling point	244-246°C
Boiling range	Data not available
Flash point	121°C
Evaporation rate	< 0.01 (Butyl acetate = 1.0)%
Flammability	No
Lower flammable / Explosive limit	1.4%
Upper flammable / Explosive limit	9%
Vapour pressure	0.016 mmHg à 25 °C.
Vapour density	4.77 - (Air = 1.0)-
Relative density	1.102g/cm ³
Solubility	Miscible avec l'eau, l'alcool et l'éther.
Partition coefficient water/n-octanol	log Pow: 1.13-
Auto-ignition temperature	475°C
Decomposition temperature	Data not available
Viscosity	29 mPa s at 20 °C.

SECTION 10 - STABILITY AND REACTIVITY

Reactivity	May react violently with incompatible substances. May ignite on contact with oxidants. Oxidizes in air to form unstable peroxides that may explode spontaneously.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	May generate flammable and/or toxic gases with alkali metals, nitrides, and other strong reducing agents. May initiate the polymerization of isocyanates and epoxides.
Conditions of instability (Including sensitivity to shock / static discharge / vibration)	Extreme temperature variations and direct daylight. Avoid the accumulation of static electricity. Avoid contact with incompatible materials.
Incompatible material	Strong oxidizing agents, acid chlorides and anhydrides, heat and moisture.
Hazardous decomposition products	Hazardous decomposition products formed under fire conditions. Carbon oxides.

SECTION 11 - TOXICOLOGICAL INFORMATION

2-PHENOXYETHANOL

Routes of exposure	Ingestion, inhalation, skin and eyes.
Acute exposition effects / symptoms:	By exposure route below.
- Eyes	Severe irritation may cause inflammation of the conjunctiva.
- Skin	Irritation.
- Inhalation	Irritation of the mucous membranes and respiratory tract. Nervous disorders, cough, dyspnea, headache, dizziness, nausea and vomiting.
Acute toxicity (Ingestion)	Irritation of the mucous membranes. Nervous disorders, gastrointestinal disorders, cramps, diarrhea, headache, dizziness, seizures, nausea and vomiting.
Chronic exposure effects / symptoms	Burning sensation, conjunctivitis, nervous disorders, cough, dyspnea, laryngitis, headache, dizziness, drowsiness, loss of appetite, nausea and vomiting. Following skin contact: possibility of irritability, memory loss, decreased ability to concentrate.
DL50 (specify species and route of entry)	LD50 Oral - Rat - Male et female - 1850 mg/kg LD50 Dermal - Rat - 14422 mg/kg.
CL50 (specify species and route of entry)	LC50 - Inhalation - Data not available.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity	LC50 - Pimephales promelas (fathead minnow) - Flow-through test - 344 mg/L - 96 h. LC50 - Leuciscus idus (Golden orfe) - Static test: 220-460 mg/L - 96 h. EC50 - Daphnia magna (Water flea) - Static test: >500 mg/L - 48 h. EC50 - Desmodesmus subspicatus (green algae) - Static test: >500 mg/L - 72 h.
Persistence and degradability	Aerobic Biodegradability - Exposure Duration 28 d Result: 90% - Readily biodegradable. (OECD Guideline 301F)
Bioaccumulative potential	Data not available.
Mobility in soil	Probable mobility in the environment due to its solubility in water.
Other adverse effects	Data not available.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal Method	Dispose of contents / container in accordance with local / regional / national / international regulations / or contact a specialist waste disposal company.
Contaminated Packaging	Dispose of as unused product.

SECTION 14 - TRANSPORT INFORMATION

UN Number	N/R
UN Proper shipping name	
Transport hazard class(es)	
Packing group	
Limited quantity index	
ERAP Index	
Special precautions	

SECTION 15 - REGULATORY INFORMATION

WHIMIS CANADA	Serious eye damage/ Eye irritation category 2A Acute toxicity - Oral category 4
---------------	--

SECTION 16 - OTHER INFORMATION

Further information

The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. It does not represent any guarantee of the properties of the product. Laboratoire MAT Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.

Last Update: 12/15/2022