

## MATERIAL SAFETY DATA SHEET

<b>1. Identification</b>	
Product Name	2-Phenoxyethanol
Cat No. :	AC130240000; AC130240010; AC130240025; AC130240050; AC130240051; AC130240250; AC130242500
CAS No Synonyms	122-99-6 Ethylene glycol monophenyl ether
Recommended Use Uses advised against	Laboratory chemicals. Food, drug, pesticide or biocidal product use.

### Details of the supplier of the safety data sheet

**Supplier:** Elchemy

**Company Address:** A-448, Pocket 2, Sector 8, Rohini, New Delhi, Pin Code: 110085, India

**Company Web Site:** [www.elchemy.com](http://www.elchemy.com)

**Emergency Phone Number:** +919867099519 (24 Hrs)

**Email Id:** [info@elchemy.com](mailto:info@elchemy.com)



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## 2. Hazard(s) identification

### Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

- Acute oral toxicity Category 4
- Serious Eye Damage/Eye Irritation Category 1
- Specific target organ toxicity (single exposure) Category 3

Target Organs - Respiratory system.

### Label Elements

#### Signal Word

Danger

#### Hazard Statements

- Harmful if swallowed
- Causes serious eye damage
- May cause respiratory irritation



#### Precautionary Statements

##### Prevention

- Wash face, hands and any exposed skin thoroughly after handling
- Do not eat, drink or smoke when using this product
- Wear protective gloves/protective clothing/eye protection/face protection
- Avoid breathing dust/fume/gas/mist/vapors/spray
- Use only outdoors or in a well-ventilated area



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## Inhalation

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

## Eyes

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- Immediately call a POISON CENTER or doctor/physician

## Ingestion

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

## Storage

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

## Disposal

- Dispose of contents/container to an approved waste disposal plant

## Hazards not otherwise classified (HNOC)

None identified

## 3. Composition/Information on Ingredients

Component	CAS No	Weight %
Ethylene glycol monophenyl ether	122-99-6	<= 100



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## 4. First-aid measures

General Advice	If symptoms persist, call a physician.
Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician.
Inhalation	Remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms occur.
Ingestion	Clean mouth with water and drink afterwards plenty of water.
Most important symptoms and effects	Causes severe eye damage.

## 5. Fire-fighting measures

Suitable Extinguishing Media	Water spray. Carbon dioxide (CO2). Dry chemical. Chemical foam.
Unsuitable Extinguishing Media	No information available
Flash Point	130 °C / 266 °F
Method	No information available
Autoignition Temperature	430 °C / 806 °F

Explosion Limits	
Upper	No data available
Lower	No data available
Sensitivity to Mechanical Impact	No information available
Sensitivity to Static Discharge	No information available

## Specific Hazards Arising from the Chemical



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Registered Name: **BizinBiz Technologies Private Limited**  
Registered Address: 3/8 2nd Floor, Asaf Ali Road, Above Dabur  
India Pvt. Ltd., New Delhi, India, 110002  
CIN: U24290DL2021PTC382855 | **GST: 07AAJCB9425C1ZR**  
IEC: AAJCB9425C

Keep product and empty container away from heat and sources of ignition.

### **Hazardous Combustion Products**

Carbon monoxide (CO). Carbon dioxide (CO2).

### **Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### **NFPA**

- Health: 3
- Flammability: 1
- Instability: 0
- Physical hazards: N/A

## **6. Accidental release measures**

### **Personal Precautions**

Ensure adequate ventilation. Use personal protective equipment as required.

### **Environmental Precautions**

Should not be released into the environment.

### **Methods for Containment and Clean Up**

Keep in suitable, closed containers for disposal. Soak up with inert absorbent material.

## **7. Handling and storage**

Handling	Wear personal protective equipment/face protection. Ensure adequate ventilation. Do not get in eyes, on skin, or on clothing. Avoid ingestion and inhalation.
Storage	Keep in a dry, cool and well-ventilated place. Keep container tightly closed. Incompatible Materials: Strong oxidizing agents. Acid anhydrides. Acid chlorides.



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## 8. Exposure controls / personal protection

Exposure Guidelines	This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
Engineering Measures	Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.
Personal Protective Equipment	

Eye/face Protection	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Skin and body protection	Wear appropriate protective gloves and clothing to prevent skin exposure.
Respiratory Protection	No protective equipment is needed under normal use conditions.
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice.

## 9. Physical and chemical properties

Physical State	Liquid
Appearance	Colorless
Odor	aromatic
Odor Threshold	No information available
pH	8-9 10g/100ml water/MeOH
Melting Point/Range	11 - 13 °C / 51.8 - 55.4 °F
Boiling Point/Range	237 °C / 458.6 °F @ 760 mmHg
Flash Point	130 °C / 266 °F
Evaporation Rate	No information available
Flammability (solid, gas)	Not applicable



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Flammability or explosive limits	
Upper	No data available
Lower	No data available
Vapor Pressure	0.04 mbar @ 20 °C
Vapor Density	4.8 (Air = 1.0)
Specific Gravity	1.100
Solubility	30 g/L @ 20 °C
Partition coefficient; n-octanol/water	No data available
Autoignition Temperature	430 °C / 806 °F
Decomposition Temperature	No information available
Viscosity	29 mPa S at 20 °C
Molecular Formula	C8 H10 O2
Molecular Weight	138.17

## 10. Stability and reactivity

Reactive Hazard	None known, based on information available
Stability	Stable under recommended storage conditions.
Conditions to Avoid	Incompatible products.
Incompatible Materials	Strong oxidizing agents, Acid anhydrides, Acid chlorides
Hazardous Decomposition Products	Carbon monoxide (CO), Carbon dioxide (CO2)
Hazardous Polymerization	Hazardous polymerization does not occur.
Hazardous Reactions	None under normal processing.

## 11. Toxicological information

### Acute Toxicity

### Product Information

### Component Information



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Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Ethylene glycol monophenyl ether	LD50 = 1850 mg/kg (Rat)	LD50 = 5 mL/kg (Rabbit)	LC50 > 0.057 mg/L (Rat) 8 h

**Toxicologically Synergistic Products** : No information available

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

Irritation	No information available
Sensitization	No information available
Carcinogenicity	The table below indicates whether each agency has listed any ingredient as a carcinogen.

Component	CAS No	IARC	NTP	ACGIH	OSHA	Mexico
Ethylene glycol monophenyl ether	122-99-6	Not listed	Not listed	Not listed	Not listed	Not listed

Mutagenic Effects	No information available
Reproductive Effects	No information available.
Developmental Effects	No information available.
Teratogenicity	No information available.
STOT - single exposure STOT - repeated exposure	Respiratory system None known
Aspiration hazard	No information available
Symptoms / effects, both acute and delayed	No information available
Endocrine Disruptor Information	No information available
Other Adverse Effects	

## 12. Ecological information

**Ecotoxicity** : Do not empty into drains.

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea



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Ethylene glycol monophenyl ether	EC50: > 500 mg/L, 72h (Desmodesmus subspicatus)	LC50: = 366 mg/L, 96h static (Pimephales promelas) LC50: 337 - 352 mg/L, 96h flow-through (Pimephales promelas)	EC50 = 32.4 mg/L 5 min EC50 = 880 mg/L 17 h	EC50: > 500 mg/L, 48h (Daphnia magna)
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**Persistence and Degradability** : Persistence is unlikely

**Bioaccumulation/ Accumulation** : No information available.

**Mobility** : Will likely be mobile in the environment due to its water solubility.

Component	log Pow
Ethylene glycol monophenyl ether	1.2

## 13. Disposal considerations

**Waste Disposal Methods** : Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

## 14. Transport information

**DOT** : Not regulated

**TDG** : Not regulated


**IATA** : Not regulated


**IMDG/IMO** : Not regulated


## 15. Regulatory information

### United States of America Inventory

Component	CAS No	No TSCA	TSCA Inventory notification - Active-Inactive	TSCA - EPA Regulatory Flags

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Ethylene glycol monophenyl ether	122-99-6	Yes	ACTIVE	-
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### Legend:

- TSCA US EPA (TSCA) - Toxic Substances Control Act, (40 CFR Part 710)
- Listed
- ' ' Not Listed
- TSCA - Per 40 CFR 751, Regulation of Certain Chemical Not applicable
- Substances & Mixtures, Under TSCA Section 6(h) (PBT)
- TSCA 12(b) - Notices of Export Not applicable

### International Inventories

Canada (DSL/NDSL), Europe (EINECS/ELINCS/NLP), Philippines (PICCS), Japan (ENCS), Japan (ISHL), Australia (AICS), China (IECSC), Korea (KECL).

Component	CAS No	DSL	NDSL	EINECS	PICCS	ENCS	ISHL	AICS	IECSC	KECL
Ethylene glycol monophenyl ether	122-99-6	Yes	No -	204-589-7	Yes X	Yes	Yes	Yes	Yes	KE-28257

**KECL** - NIER number or KE number (<http://ncis.nier.go.kr/en/main.do>)

### U.S. Federal Regulations

#### SARA 313

Component	CAS No	Weight %	SARA 313 Threshold Values %
Ethylene glycol monophenyl ether	122-99-6	<= 100	1.0

**SARA 311/312 Hazard Categories** : See section 2 for more information

**CWA (Clean Water Act)** : Not applicable

#### Clean Air Act

Component	HAPS Data	Class 1 Ozone Depletors	Class 2 Ozone Depletors



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Ethylene glycol monophenyl ether	Yes	No
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**OSHA - Occupational Safety and Health Administration** : Not applicable

**CERCLA** : Not applicable

**California Proposition 65** : This product does not contain any Proposition 65 chemicals.

### U.S. State Right-to-Know Regulations

Component	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Ethylene glycol	-	Yes	Yes	Yes	-

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## 2-Phenoxyethanol

### U.S. Department of Transportation

- **Reportable Quantity (RQ):** N
- **DOT Marine Pollutant:** N
- **DOT Severe Marine Pollutant:** N

### U.S. Department of Homeland Security

This product does not contain any DHS chemicals.

### Other International Regulations

**Mexico Grade:** No information available

### Authorisation/Restrictions according to EU REACH

Component	CAS No	REACH (1907/2006) - Annex XIV - Substances	REACH (1907/2006) - Annex XVII - Restrictions on	REACH Regulation (EC 1907/2006) article 59 - Candidate List of



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		<b>Subject to Authorization</b>	<b>Certain Dangerous Substances</b>	<b>Substances of Very High Concern (SVHC)</b>
Ethylene glycol monophenyl ether	122-99-6	-	Use restricted. See item 75. (see link for restriction details)	

## Safety, health and environmental regulations/legislation specific for the substance or mixture

<b>Component</b>	<b>CAS No</b>	<b>OECD HPV</b>	<b>Persistent Organic Pollutant</b>	<b>Ozone Depletion Potential</b>	<b>Restriction of Hazardous Substances (RoHS)</b>
Ethylene glycol monophenyl ether	122-99-6	Listed	Not applicable	Not applicable	Not applicable

<b>Component</b>	<b>CAS No</b>	<b>Seveso III Directive (2012/18/EC) - Qualifying Quantities for Major Accident Notification</b>	<b>Seveso III Directive (2012/18/EC) - Qualifying Quantities for Safety Report Requirements</b>	<b>Rotterdam Convention (PIC)</b>	<b>Basel Convention (Hazardous Waste)</b>
Ethylene glycol monophenyl ether	122-99-6	Not applicable	Not applicable	Not applicable	Not applicable

## 16. Other information

Prepared By	Regulatory Affairs Thermo Fisher Scientific Email: EMSDS.RA@thermofisher.com
Creation Date	16-Nov-2010
Revision Date	30-May-2022
Print Date	30-May-2022



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CIN: U24290DL2021PTC382855 | **GST: 07AAJCB9425C1ZR**

IEC: AAJCB9425C

Revision Summary	SDS sections updated.
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## Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.



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