**MATERIAL SAFETY DATA SHEET**

# 2-PHENOXYETHANOL

1. Identification

# Product Name 2-Phenoxyethanol

**Synonyms Ethylene glycol monophenyl ether**

**Recommended Use Laboratory chemicals.**

**Uses advised against Food, drug, pesticide or biocidal product use.**

## Supplier Name CHEMICAL BULL PVT. LTD.

##  123-124, 1st floor, Panchratna Complex,

##  GIDC, Char Rasta, Vapi – 396195

##  INDIA

##  Telephone +91- 96 96 96 0250

2. Hazard(s) identification

## Classification

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

Category 4

Category 2

Acute oral toxicity

Serious Eye Damage/Eye Irritation

## Label Elements

**Signal Word**

Warning

**Hazard Statements** Harmful if swallowed Causes serious eye 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

## Eyes

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

## Ingestion

Rinse mouth

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

## 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 | >95 |

4. First-aid measures

**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. Get medical attention.

**Inhalation** Remove from exposure, lie down. Remove to fresh air. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Get medical attention. If not breathing, give artificial respiration.

**Ingestion** Do NOT induce vomiting. Get medical attention.

## Most important symptoms and effects

No information available.

**Notes to Physician** Treat symptomatically

5. Fire-fighting measures

**Suitable Extinguishing Media** Water spray. Carbon dioxide (CO 2). 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

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**

2

## 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** See Section 12 for additional Ecological Information.

**Methods for Containment and Clean** Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder,

**Up** sawdust). Keep in suitable, closed containers for disposal. Do not let this chemical enter the environment. Use spark-proof tools and explosion-proof equipment.

7. Handling and storage

**Handling** Wear personal protective equipment/face protection. Ensure adequate ventilation. Avoid

contact with skin and eyes. Do not breathe mist/vapors/spray. Do not ingest. If swallowed then seek immediate medical assistance.

**Storage** Keep in a dry, cool and well-ventilated place. Refer product specification and/or product label for specific storage temperature requirement. Keep container tightly closed.

8. Exposure controls / personal protection

**Exposure Guidelines** This product does not contain any hazardous materials with occupational exposure

limitsestablished 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

## 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 normal 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**

|  |  |  |  |
| --- | --- | --- | --- |
| **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** None known

**STOT - repeated exposure** 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** The toxicological properties have not been fully investigated.

12. Ecological information

## Ecotoxicity

Do not empty into drains. .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Component** | **Freshwater Algae** | **Freshwater Fish** | **Microtox** | **Water Flea** |
| Ethylene glycol monophenyl ether | EC50: > 500 mg/L, 72h(Desmodesmus subspicatus) | LC50: 220 - 460 mg/L, 96hstatic (Leuciscus idus)LC50: = 366 mg/L, 96h static (Pimephales promelas) LC50: 337 - 352 mg/L, 96hflow-through (Pimephales promelas) | EC50 = 32.4 mg/L 5 minEC50 = 880 mg/L 17 h | EC50: > 500 mg/L, 48h(Daphnia magna) |

**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 | 1.13 |

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

 **Not Applicable**

16. Other information

The information presented here is believed to be accurate and pertains only to the product when stored in a sealed condition, as prescribed here. The information is given in good faith, but no warranty, express or implied, is made. Users should make their own investigations, for their specific applications and processes, to determine the suitability of the safety information mentioned here. Chemical Bull Pvt. Ltd. will in no way be liable for any claims, losses and / or damages of any third party, or for lost profits, or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, from the use of this product

**End of SDS**