
Material Safety Data Sheet

Product Name	<u>Phenoxyethanol</u>
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Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identification:**Product Description:** Phenoxyethanol**Synonyms:** Ethylene glycol monophenyl ether, 2-Phenoxyethanol**CAS-No:** 122-99-6**EC-No.:** 204-589-7**Molecular Formula:** C₈H₁₀O₂**REACH Registration No:** A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration, or the registration is envisaged for a later registration deadline.**1.2. Relevant identified uses of the substance or mixture and uses advised against:****Recommended Use:** Laboratory chemicals, Manufacture of substance**1.3. Details of the supplier of the safety data sheet:**

- **Company** **Finar Limited**
184-186/P, Chacharwadi Vasna,
Sarkhej-Bavla Highway,
Ta.: Sanand, Dist.: Ahmedabad,
Email: info@finarchemicals.com
Web: www.finarchemicals.com
- **E-Mail Address** safety@finarchemicals.com; info@finarchemicals.com

1.4. Emergency Telephone Number:

- For Emergency contact on: +91 - 2717 - 616 717
- Registered office No: +91 - 79 – 40040085

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SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture:

Classification (REGULATION (EC) No 1272/2008)

Acute toxicity, Oral (Category 4), H302

Eye irritation (Category 2), H319

For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2. Label Elements:

Labeling according Regulation (EC) No 1272/2008

Pictogram



Signal word

Warning

Hazard statement(s)

H302 Harmful if swallowed.

H319 Causes serious eye irritation.

Precautionary statement(s)

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

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.

Supplemental Hazard Statements: None

2.3. Other Hazards:

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.1. Substances:** Phenoxyethanol**3.2. Mixtures:**

Component	CAS-No	EC-No.	Weight %
Phenoxyethanol	122-99-6	204-589-7	> 95

SECTION 4: FIRST AID MEASURES**4.1. Description of first aid measures:**

- **General advice**

First aider needs to protect himself.

- **If inhaled**

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.

- **If Contact with skin**

Wash off immediately with plenty of water for at least 15 minutes. Get medical attention.

- **In case of eye contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.

- **If swallowed**

Do not induce vomiting. Get medical attention.

4.2. Most important symptoms and effects, both acute and delayed:

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3. Indication of any immediate medical attention and special treatment needed

No data available

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SECTION 5: FIREFIGHTING MEASURES**5.1. Extinguishing media:**

Suitable Extinguishing Media- Use Water Spray, Alcohol-resistant foam, Carbon dioxide (CO₂), Dry powder.

5.2. Special hazards arising from the substance or mixture:

Combustible.
Carbon oxides.

5.3. Advice for firefighters:

Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further Information:

No data available.

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1. Personal precautions, protective equipment and emergency procedures:**

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.
For personal protection see section 8.

6.2. Environmental precautions:

Do not let product enter drains.

6.3. Methods and material for containment and cleaning up:

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal. Do not let this chemical enter the environment.
Use spark-proof tools and explosion-proof equipment.

6.4. Reference to other sections:

For disposal see Sections 13.

SECTION 7: HANDLING AND STORAGE**7.1. Precautions for safe 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.

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7.2. Conditions for safe storage, including any incompatibilities:

Keep container tightly closed in a dry and well-ventilated area.

7.3. Specific end use(s):

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Contains no substances with occupational exposure limit values.

8.2. Exposure Controls:

- **Appropriate Engineering Controls:**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal Protective Equipment:

Eye & Face Protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Body Protection

Complete suit protecting against chemicals, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory Protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Environmental Exposure Controls

Do not let product enter drains.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties:**

- **Appearance:** Colorless
- **Physical State:** Liquid
- **Odor:** Aromatic
- **pH:** 7
- **Melting Point:** 11°C - 13 °C
- **Auto-Ignition Temperature:** 430 °C
- **Decomposition Temperature:** No data available
- **Vapor Pressure:** 0.001 kPa
- **Vapor Density:** 4.8 (Air = 1.0)
- **Specific Gravity:** 1.100
- **Relative Density:** 1.107 g/mL at 20 °C - lit.
- **Volatility:** No data available
- **Bulk Density:** ca.700 kg/m³
- **Odor Threshold:** No data available
- **Viscosity:** 29 mPa s at 20 °C
- **Water/Oil Dist. Co eff.:** No data available
- **Ionicity (in Water):** No data available
- **Partition Co-efficient: n-octanol/water:** No data available
- **Boiling Point/Range:** 246 °C
- **Flash Point:** 126 °C
- **Explosive Limit:** Lower Explosion Limit: - 1.4 % (V)
Upper Explosion Limit: - 9.0 % (V)
- **Surface Tension:** 70.7 mN/m at 1g/l at 19.9 °C - OECD Test Guideline 115
- **Water Solubility:** 28.6 g/l at 20.7 °C

9.2. Other information:**Molecular Formula:** C₈H₁₀O₂**Molecular Weight:** 138.17 g/mol

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SECTION 10: STABILITY AND REACTIVITY**10.1. Reactivity:**

No data available

10.2. Chemical stability:

Stable under normal conditions.

10.3. Possibility of hazardous reactions:

No data available

10.4. Conditions to avoid:

Incompatible products.

10.5. Incompatible materials:

Strong oxidizing agents, Acid anhydrides, Acid chlorides.

10.6. Hazardous decomposition products:Carbon monoxide (CO), Carbon dioxide (CO₂)**SECTION 11: TOXICOLOGICAL INFORMATION****11.1 Information on toxicological effects:****Acute Oral toxicity**

LD50 Oral - Rat - male and female - 1.850 mg/kg

(OECD Test Guideline 401)

Acute Inhalation ToxicityLC50 Inhalation - Rat - male and female - 6 h - > 1.000 mg/m³

(OECD Test Guideline 412)

Acute Dermal toxicity

No data available

Skin corrosion/irritation

Skin - Rabbit

Result: No skin irritation - 4 h

(OECD Test Guideline 404)

Serious eye damage/eye irritation

Eyes - Rabbit

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Result: Causes serious eye irritation. - 15 Days
(OECD Test Guideline 405)

Sensitisation

Maximisation Test - Guinea pig

Result: negative

(OECD Test Guideline 406)

Germ cell mutagenicity

Ames test

Escherichia coli/Salmonella typhimurium

Result: negative

In vitro mammalian cell gene mutation test

Chinese hamster lung cells

Result: Positive results were obtained in some in vitro tests.

Mutagenicity (mammal cell test): chromosome aberration.

Chinese hamster lung cells

Result: negative

OECD Test Guideline 474

Mouse - male - Red blood cells (erythrocytes)

Result: negative

OECD Test Guideline 486

Rat - male - Liver cells

Result: negative

Rat - male and female - Bone marrow

Result: negative

(ECHA)

Carcinogenicity

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

No data available

Specific target organ toxicity - single exposure

No data available

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Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

11.2 Further Information

Repeated dose toxicity - Rat - male and female - Oral - 13 Weeks - No observed adverse effect level – 369 mg/kg

Repeated dose toxicity - Rabbit - male and female - Dermal - 13 Weeks - No observed adverse effect level - 500 mg/kg - Lowest observed adverse effect level - > 500 mg/kg

RTECS: KM0350000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12: ECOLOGICAL INFORMATION**12.1. Toxicity:**

Toxicity to fish:

Static test LC50 - Leuciscus idus (Golden orfe) - > 220 - < 460 mg/l- 96 h
(DIN 38412)

Toxicity to daphnia and other aquatic invertebrates:

Static test EC50 - Daphnia magna (Water flea) - > 500 mg/l - 48 h
(OECD Test Guideline 202)

Toxicity to algae:

Static test ErC50 - Desmodesmus subspicatus (green algae) – 625 mg/l - 72 h
(Regulation (EC) No. 440/2008, Annex, C.3)

Toxicity to bacteria:

Static test EC50 - activated sludge - > 1.000 mg/l - 30 min
(OECD Test Guideline 209)

12.2 Persistence and degradability:

Biodegradability aerobic - Exposure time 3 d

Result: 98 % - Readily biodegradable.

(OECD Test Guideline 301A)

Chemical Oxygen Demand (COD) 2.127 mg/g Remarks: (IUCLID)

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12.3 Bioaccumulate potential:

No data available

12.4 Mobility in soil:

No data available

12.5 Results of PBT and vPvB assessment:

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects:

Additional ecological information: No data available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.

Contaminated packaging

Dispose of as unused product.

SECTION 14: Transport information

	Land transport (ADR/RID)	Air transport (IATA)	Sea transport (IMDG)
14.1 UN number	Not classified as dangerous in the meaning of transport regulations.		
14.2 Proper shipping name	Not classified as dangerous in the meaning of transport regulations.		
14.3 Class	Not classified as dangerous in the meaning of transport regulations.		
14.4 Packing group	Not classified as dangerous in the meaning of transport regulations.		
14.5 Environmentally hazardous	Not classified as dangerous in the meaning of transport regulations.		
14.6 Special precautions for user	Not classified as dangerous in the meaning of transport regulations.		

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14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Relevant

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

REACH - Restrictions on the manufacture, :

placing on the market and use of certain

dangerous substances, preparations and articles

(Annex XVII)

15.2 Chemical safety assessment:

For this product a chemical safety assessment was not carried out

SECTION 16: Other information**Full text of H-Statements referred to under sections 2 and 3.**

H302 Harmful if swallowed.

H319 Causes serious eye irritation.

Training advice

Provide adequate information, instruction and training for operators.

References: Not available

Created: 28/08/2020

Disclaimer:

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