



CHEMSYNTH CORPORATION

(Exporter of chemical Raw materials)

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Material Safety Data Sheet

PHENOXYETHANOL

Section 1 - Chemical Product and Company Identification

MSDS Name: Phenoxyethanol

Synonyms : Phenoxyethanol, Ethylene glycol monophenylether;

β -Phenoxyethanol, Ethylene glycolphenylether; Ethanol, 2-phenoxy,

Emery 6075, DOWANOL EP.

CAS NO : 122-99-6 : EINECS NO:204-589-7

Mol Wt : 138.17 : Chemical Formula: C₆H₅OCH₂CH₂OH

Company Identification: CHEMSYNTH CORPORATION

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Section 2 – Composition, Information on Ingredients

INGREDIENT	CAS NO,	PERCENT	HAZARDOUS
2-PHENOXY ETHANOL	122-99-6	> 99%	X _n Harmful, Risk Phrases – R20, R21, R22, R36, Safety Phases – S2, S26 (See Section 16)

Section 3 - Hazards Identification

Emergency Overview

Harmful if swallowed –Causes irritation, Toxic;

POTENTIAL HEALTH EFFECTS

Causes serious eye irritation, Harmful if inhaled or absorbed through the skin: may cause reproductive defects

Skin contact: Severe irritation or burns

Chronic Exposure: No information available; Aggravation of Preexisting

Conditions: No information available.

Section 4 - First Aid Measures

Inhalation	If Inhaled, remove to fresh air. If breathing difficulty is found give artificial respiration or give oxygen, seek immediate medical action.
Ingestion	If doctor advises, induce vomiting: Get medical attention immediately. Do not give anything to an unconscious person.
Skin Contact	Immediately flush skin with plenty of water for at least 15 minutes, simultaneously removing contaminated clothing and shoes. Call a physician immediately.
Eye Contact	Flush eyes as soon as possible with gentle but large stream of water for at least 15 minutes, lifting upper & lower eyelids occasionally. Call a doctor immediately.

Section 5 - Fire Fighting Measures

Fire: Flash Point : 121° (250° F) closed Cup.

Fire extinguishing media: Use carbon dioxide, extinguishing powder or foam. Water can be used for cooling exposed containers.

Special hazards: As Carbon monoxide and Carbon dioxide are its combustion products, care to be taken to avoid inhalation.

Productive equipment: Wear self-contained breathing apparatus wear full protective suit.

NFPA Ratings; Health:3; Flammability 1: Reactivity: 0

Section 6 - Accidental Release Measures

Wear self-contained breathing apparatus and fully covered protective clothing. Without risk, if the leak can be stopped, try immediately. Ensure adequate ventilation. Absorb the leak with sand or diatomite or Acid binders, universal binders or saw dust. Place the absorbed material into a container for later, safer disposal. Flush spill area with plenty of water.

Section 7 – Handling and Storage

Keep container tightly closed. Store in a cool, dry place in tightly closed containers. Make sure of good ventilation / exhaust at the work place.

Containers of this material may be hazardous when empty since they retain product residues of vapour or liquids. Hence, follow all warnings and precautions mentioned for this product.

Section 8 - Exposure Controls, Personal Protection

Airborne Exposure Limits	None Established.
Verification System	To minimize exposure as low as possible, a system of local and / or general exhaust is recommended. Local exhaust ventilation is the preferred. This will prevent dispersion into working area.
Personal Respirators	This should be NIOSH Approved. Protection Gear.
Skin Protection	Protective work clothing, boots, gloves.
Eye Protection	Chemical safety goggles / or a full face shield.

Section 9 - Physical and Chemical Properties

Appearance	Colourless Viscous liquid
Odour	Faint Aromatic odour
Melting / Freezing Point	11 – 14°C
Kinematic Viscosity	18 mm ² /Sec at 25°C
Boiling Point	245.2°C
Solubility, g/100g (in water)	2.85
Specific Gravity	1.105 – 1.113 at 20/20°C
Vapour Pressure	0.004 mmHg (Extrapolated) at 20°C
Vapour density	4.76 (Air=1)

Section 10 - Stability and Reactivity

Stable under ordinary conditions of use and storage.

Incompatible with strong oxidizing Agents, Decomposition Products :- CO₂ and CO.

Hazardous Polymerisation :- will not occur Heat, Flame and other sources of ignition are to be avoided.

Section 11 - Toxicological Information

TOXICITY DATA

Rat, Oral LD50	1260 mg/kg
Rat, Skin LD50	14422 mg/kg
Irritation of skin – Rabbit	500 mg / 24 hrs., Mild.
Irritation of Eye – Rabbit	6 mg, moderate
Irritation of Eye – Rabbit	0.25 mg/24 hr., severe

PRIMARY IRRITANT EFFECT

On the skin	Irritant to skin and mucous membranes.
On the eye	Irritant
Sensitizations	No Sensitizing Effect
Cancer List–NTP–Carcinogenic	Known – No. Anticipated – No. IARC Category – None
Other information on Toxicology	Mutagenic effect have been observed on Tests with Bacteria. No Classification data on Carcinogenic Behavior of this chemical from the EPA, IARC, OSHA or ACGIH

Section 12 - Ecological Information

Environmental Toxicity No information available.

- Water hazard Class 1
- Slightly hazardous for water.
- Do not allow the material to be released to the environment without proper government permit.

Section 13 - Disposal Considerations

Consult State, Local or National Regulatory Authorities. Disposal must be made according to official regulations.

Section 14 - Transport Information

Non-hazardous for air, sea and road freight.
Not Regulated.

Section 15 - Regulatory Information

INVENTORY STATUS

Designation according to EC guidelines:

The product has been classified and labelled in accordance with EC Directives / Ordinance on Hazardous Materials
Code letter and hazard designation of product: Xi Irritant

Risk phrases:

Irritating to respiratory system.
May cause sensitization by skin contact.

Safety phrases:

Avoid contact with skin.
Wear suitable gloves.

Section 16 - Other Information

Risk Phases - R20 - Harmful by Inhalation

R21 - Harmful in contact with skin

R22- Harmful if swallowed

R36 - Irritating to eyes

Safety Phases - S2 - Keep out of reach of children

S-36 - Wear suitable protective clothing.

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