

化 学 品 安 全 技 术 说 明 书

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MSDS标题

二乙二醇单苯醚安全技术说明书

产品标题

2-(2-苯氧基乙氧基)乙醇

CAS号

104-68-7

化学品及企业标识

- 化学品名称：二乙二醇单苯醚
- 化学式 $C_{10}H_{14}O_3$
- CAS号：104-68-7
- 分子量 182.22 g/mol
- 供应商信息：
公司名称：山东西亚化学有限公司
地址：山东省临沂市临沭县经济开发区朝阳路
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成分及组成信息

- Chemical Identity: $\geq 99\%$ Diethylene Glycol Monophenyl Ether
- Impurities: $< 1\%$ Ethylene glycol/phenol derivatives

危险性质描述

- GHS Classification:
- Eye Irritation (Category 2B)

- Skin Irritation (Category 2)
- Hazardous to Aquatic Environment (Chronic Category 3)
- ▶ Signal Word: Warning
- ▶ Hazard Statements:
 - H319: Causes serious eye irritation.
 - H315: Causes skin irritation.
 - H411: Toxic to aquatic life with long-lasting effects.

急救措施

- ▶ Inhalation: Move to fresh air. Seek medical attention if symptoms persist.
- ▶ Skin Contact: Wash with soap and water. Remove contaminated clothing.
- ▶ Eye Contact: Rinse immediately with water for 15 minutes. Consult ophthalmologist.
- ▶ Ingestion: Do NOT induce vomiting. Rinse mouth and drink water. Seek medical help.

消防措施

- ▶ Extinguishing Media: CO₂, dry chemical, or foam.
- ▶ Hazardous Combustion Products: CO, CO₂, phenolic compounds.
- ▶ Protection for Firefighters: Wear self-contained breathing apparatus (SCBA).

泄露应急处理

- ▶ Small Spills: Absorb with inert material (e.g., sand). Dispose as hazardous waste.
- ▶ Large Spills: Contain with barriers. Prevent entry into waterways.

处理和储存

- ▶ Handling: Use in well-ventilated areas. Avoid contact with eyes/skin.
- ▶ Storage: Keep in tightly closed containers away from oxidizers. Store at <30°C.

接触控制

- ▶ PPE:
 - Gloves: Nitrile or neoprene.
 - Eye Protection: Chemical goggles.
 - Ventilation: Local exhaust recommended.
- ▶ TLV: Not established. Use ALARA principles.

理化特性

- ▶ Appearance: Colorless to pale yellow liquid

- ▶ Odor: Mild, characteristic
- ▶ Boiling Point: 285°C
- ▶ Flash Point: 160°C (closed cup)
- ▶ Density: 1.10 g/cm³ (20°C)
- ▶ Solubility: Miscible with most organic solvents, partially soluble in water.

稳定性和反应活性

- ▶ Chemical Stability: Stable under normal conditions.
- ▶ Incompatible Materials: Strong oxidizers, acids.
- ▶ Hazardous Decomposition: Thermal degradation may release phenols.

毒理学信息

- ▶ Acute Toxicity: LD₅₀ (oral, rat) > 2000 mg/kg (low acute toxicity).
- ▶ Skin Corrosion/Irritation: May cause redness and itching.
- ▶ Ecotoxicity: LC₅₀ (fish, 96h) > 100 mg/L.

生态学资料

- ▶ Persistence: Readily biodegradable (OECD 301F).
- ▶ Bioaccumulation: Log Pow = 1.2 (low potential).

废弃处理

- ▶ Dispose via licensed hazardous waste facility. Do not pour into drains.

运输信息

- ▶ UN Number: Non-hazardous for transport (non-regulated per TDG/ADR).

法规信息

- ▶ REACH: Registered under EC No. 203-628-5.
- ▶ US EPA: Listed on TSCA Inventory.

其他信息

- ▶ Revision Date: [Date]
- ▶ Disclaimer: Data provided for guidance only. User responsibility to verify compliance.

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