

## 化 学 品 安 全 技 术 说 明 书

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### MSDS标题

1-十八烷基氨基丙醇安全技术说明书

### 产品标题

### CAS号

### 化学品及企业标识

- 化学品名称: 1-十八烷基氨基丙醇
- 化学式  $C_{21}H_{45}NO$
- CAS号: 72648-62-5
- 分子量  $327.5881 \text{ g/mol}$
- 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  
联系电话: 400-990-3999  
电子邮件 [sales@xiyashiji.com](mailto:sales@xiyashiji.com)

### 成分及组成信息

- Chemical Identity: 1-Octadecylaminopropanol ( $\geq 95\%$ )
- Impurities: May contain traces of unreacted stearyl amine or propanol derivatives.

### 危险性质描述

- GHS Classification:
- Skin Irritation (Category 2)
- Eye Irritation (Category 2A)
- Not classified as hazardous under OSHA/HazCom 2012.

- Signal Word: Warning
- Hazard Statements:
  - H315: Causes skin irritation.
  - H319: Causes serious eye irritation.
- Precautionary Statements:
  - P264: Wash hands thoroughly after handling.
  - P280: Wear protective gloves/eye protection.

## 急救措施

- Inhalation: Move to fresh air. Seek medical attention if breathing difficulties occur.
- 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 seek medical help.

## 消防措施

- Extinguishing Media: Dry chemical, CO<sub>2</sub>, foam.
- Hazardous Combustion Products: CO, NO<sub>x</sub>, and other toxic fumes.
- Protective Equipment: Wear self-contained breathing apparatus (SCBA).

## 泄露应急处理

- Small Spills: Absorb with inert material (e.g., sand) and dispose properly.
- Large Spills: Contain spill, prevent entry into waterways. Use PPE during cleanup.

## 处理和储存

- Handling: Avoid dust formation. Use local exhaust ventilation.
- Storage: Store in a cool, dry place away from oxidizers. Keep container tightly closed.

## 接触控制

- Occupational Exposure Limits: Not established. Use general hygiene measures.
- PPE:
  - Gloves: Nitrile or neoprene.
  - Eye Protection: Safety goggles.
  - Respiratory Protection: N95 mask if dust is present.

## 理化特性

- Appearance: White to off-white waxy solid.

- Odor: Mild amine-like.
- Melting Point: ~60-70°C (estimated)
- Solubility: Insoluble in water; soluble in organic solvents (e.g., ethanol, chloroform).
- pH: ~8-10 (1% suspension in water)

## 稳定性和反应活性

- Stability: Stable under recommended conditions.
- Incompatibilities: Strong acids, oxidizing agents.
- Hazardous Decomposition: Thermal decomposition may release toxic amines.

## 毒理学信息

- Acute Toxicity: Low oral/ dermal toxicity (LD50 >2000 mg/kg, rat).
- Skin Corrosion/Irritation: May cause mild irritation.
- Sensitization: No data available.

## 生态学资料

- Ecotoxicity: Not readily biodegradable. May be toxic to aquatic organisms.
- Persistence: Potential bioaccumulation due to long alkyl chain.

## 废弃处理

- Disposal Method: Incinerate as hazardous waste or comply with local regulations.

## 运输信息

- Non-hazardous for transport (per IMDG/IATA/ADR).

## 法规信息

- Not listed in EPA TSCA, EU REACH Annex XIV.

## 其他信息

- Disclaimer: Data provided is for guidance only. User must assess suitability for specific applications.