

化学品安全技术说明书

填表时间 2019-12-26

打印时间 2026-03-10

MSDS标题

硅烷-PEG-马来酰亚胺安全技术说明书

产品标题

硅烷-PEG-马来酰亚胺

CAS号

5884-000-0

化学品及企业标识

- 化学品名称: 1-(叔丁氧羰基)-2-吡咯烷酮
- 化学式 $C_9H_{15}NO_3$
- CAS号: 85909-08-6
- 分子量 185.22 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
联系电话: 0539-6365991
电子邮件 sales@xiyashiji.com

成分及组成信息

- Chemical Identity: 1-(tert-Butoxycarbonyl)-2-pyrrolidone
- Purity: $\geq 98\%$ (by GC)
- Impurities: $< 2\%$ (residual solvents, e.g., THF or ethyl acetate)

危险性质描述

GHS Classification

- Skin Irritation (Category 2, H315)
- Eye Irritation (Category 2A, H319)
- Specific Target Organ Toxicity (Single Exposure) (Category 3, H335)

Hazard Statements

- H315: Causes skin irritation.
- H319: Causes serious eye irritation.
- H335: May cause respiratory irritation.

Precautionary Statements

- P261: Avoid breathing dust/fume/gas/mist.
- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes.

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, lifting eyelids.
- Ingestion: Do NOT induce vomiting. Rinse mouth and seek medical help.

消防措施

- Extinguishing Media: CO₂, dry chemical, or foam.
- Hazardous Combustion Products: CO, NO_x, and other toxic fumes.
- Protection for Firefighters: Wear self-contained breathing apparatus (SCBA).

泄露应急处理

- Personal Precautions: Wear gloves, goggles, and respirator.
- Containment: Absorb with inert material (e.g., sand).
- Disposal: Collect in labeled containers for hazardous waste disposal.

处理和储存

- Handling: Use in well-ventilated areas. Avoid contact with skin/eyes.
- Storage: Store in a cool, dry place (2-8°C recommended) under inert gas (N₂).

接触控制

- Respiratory Protection: Use if ventilation is inadequate (NIOSH-approved mask).
- Hand Protection: Nitrile or neoprene gloves.
- Eye Protection: Chemical goggles.

理化特性

- Appearance: Colorless to pale yellow liquid
- Odor: Slight amine-like odor
- Boiling Point: ~250°C (decomposes)
- Flash Point: >110°C (non-flammable)
- Solubility: Soluble in organic solvents (e.g., DMF, DMSO).

稳定性和反应活性

- Stability: Stable under recommended storage conditions.
- Incompatible Materials: Strong acids/bases, oxidizing agents.
- Hazardous Decomposition: Heating may release CO_x and NO_x.

毒理学信息

- Acute Toxicity: LD₅₀ (oral, rat) >2000 mg/kg (low toxicity).
- Irritation: Skin/eye irritant (rabbit test data).
- Sensitization: No data available.

生态学资料

- Biodegradability: Not readily biodegradable.
- Aquatic Toxicity: EC₅₀ (Daphnia) >100 mg/L.

废弃处理

- Waste Code: Follow local regulations (e.g., EPA, EU Directive 2008/98/EC).
- Disposal Method: Incineration or licensed hazardous waste facility.

运输信息

- UN Number: Non-hazardous for transport.
- Packing Group: III (if applicable).

法规信息

- REACH: Registered under EC No. [Your Registration Number].
- TSCA: Listed in the U.S. inventory.

其他信息

- Revision Date: [Date]
- Disclaimer: Data provided for guidance only. User must assess suitability.

XiYiYa