

化 学 品 安 全 技 术 说 明 书

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MSDS标题

5(6)-羧基荧光素琥珀酰亚胺酯安全技术说明书

产品标题

5(6)-羧基荧光素琥珀酰亚胺酯

CAS号

117548-22-8

化学品及企业标识

- 化学品名称: 5(6)-羧基荧光素琥珀酰亚胺酯
- 化学式 $C_{25}H_{15}NO_9$
- CAS号: 117548-22-8
- 分子量 473.39 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

- Active Ingredient: 5(6)-Carboxyfluorescein Succinimidyl Ester ($\geq 95\%$)
- Solvent: May contain dimethyl sulfoxide (DMSO) or dimethylformamide (DMF) as carrier solvent (if applicable).

危险性质描述

- GHS Classification:

- Skin Irritation (Category 2)
- Eye Irritation (Category 2A)
- Acute Toxicity (Oral, Category 4)
- Hazard Statements:
 - H315: Causes skin irritation.
 - H319: Causes serious eye irritation.
 - H302: Harmful if swallowed.
- 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 symptoms persist.
- Skin Contact: Wash with soap and water. Remove contaminated clothing.
- Eye Contact: Rinse immediately with water for 15 minutes. Consult ophthalmologist.
- Ingestion: Rinse mouth. Do NOT induce vomiting. Seek medical help.

消防措施

- Extinguishing Media: Use dry chemical, CO₂, 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 PPE (gloves, goggles, lab coat).
- Containment: Absorb with inert material (e.g., sand).
- Disposal: Collect in sealed container for hazardous waste disposal.

处理和储存

- Handling: Use in well-ventilated areas. Avoid contact with skin/eyes.
- Storage: Store at -20°C in dark, dry conditions. Keep container tightly sealed.

接触控制

- Engineering Controls: Fume hood recommended.
- PPE: Nitrile gloves, safety goggles, lab coat.
- Exposure Limits: No specific OEL established. Treat as hazardous dust/chemical.

理化特性

- Appearance: Orange-red powder.
- Melting Point: ~250°C (dec.)
- Solubility: Soluble in DMSO, DMF; insoluble in water.
- Stability: Light-sensitive. Hydrolyzes in moist environments.

稳定性和反应活性

- Chemical Stability: Stable under recommended storage conditions.
- Incompatible Materials: Strong oxidizers, acids, bases.
- Hazardous Decomposition: Thermal degradation releases toxic fumes.

毒理学信息

- Acute Toxicity: LD₅₀ (oral, rat) >2000 mg/kg (estimated).
- Irritation Data: May cause skin/eye irritation in animal studies.
- Sensitization: No data available.

生态学资料

- Ecotoxicity: Toxic to aquatic organisms (persistent fluorescence).
- Persistence/Bioaccumulation: Not readily biodegradable.

废弃处理

- Waste Code: Follow local regulations for organic hazardous waste.
- Disposal Method: Incineration or licensed hazardous waste facility.

运输信息

- UN Number: Non-regulated for transport (check local rules).
- Packing Group: III (if applicable).

法规信息

- GHS Compliance: As listed in Section 2.
- Other Regulations: REACH compliant (EU).

其他信息

- Revision Date: [Date]
- Disclaimer: Data provided for guidance only. User assumes all risks.

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