

化 学 品 安 全 技 术 说 明 书

填表时间 2020-01-06

打印时间 2025-10-02

MSDS标题

4-正戊氧基苯硼酸安全技术说明书

产品标题

4-正戊氧基苯硼酸

CAS号

146449-90-3

化学品及企业标识

- 化学品名称：4-正戊氧基苯硼酸
- 化学式 $C_{11}H_{17}BO_3$
- CAS号：146449-90-3
- 分子量 208.06 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: 4-n-Pentyloxyphenylboronic acid ($\geq 97\%$)
- Impurities: May contain traces of boric acid or pentanol ($\leq 3\%$).

危险性质描述

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

- Skin Irritation (Category 2)
- Acute Toxicity (Oral) (Category 4, H302)
- Signal Word: Warning
- Hazard Statements:
 - H302: Harmful if swallowed.
 - H315: Causes skin irritation.
 - H319: Causes serious eye irritation.
- Precautionary Statements:
 - P264: Wash hands thoroughly after handling.
 - P280: Wear protective gloves/eye protection.
 - 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 (hold eyelids open). Consult ophthalmologist.
- Ingestion: Rinse mouth. Do NOT induce vomiting. Give water to drink. Seek medical advice.

消防措施

- Extinguishing Media: Dry chemical, CO₂, or foam.
- Hazardous Combustion Products: CO, CO₂, boron oxides.
- Protection for Firefighters: Wear self-contained breathing apparatus (SCBA).

泄露应急处理

- Personal Precautions: Wear PPE (gloves, goggles).
- Containment: Sweep or collect into a sealed container. Avoid dust formation.
- Environmental Precautions: Prevent entry into drains or waterways.

处理和储存

- Handling: Use in a well-ventilated area. Avoid contact with eyes/skin.
- Storage: Store in a cool, dry place in a tightly sealed container. Keep away from oxidizers.

接触控制

- Engineering Controls: Local exhaust ventilation.
- PPE:
 - Gloves: Nitrile or neoprene.
 - Eye Protection: Safety goggles.

- Respiratory Protection: Dust mask (if handling powder in large quantities).

理化特性

- Melting Point: ~100-105°C (dec.)
- Solubility: Slightly soluble in water; soluble in methanol, ethanol, THF.
- pH: ~5-6 (1% aqueous suspension)
- Stability: Stable under recommended storage conditions.

稳定性和反应活性

- Chemical Stability: Stable but may decompose under strong acids/bases.
- Incompatible Materials: Strong oxidizers, acids, bases.
- Hazardous Decomposition: Thermal decomposition may release boron oxides.

毒理学信息

- Acute Effects:
- Oral LD₅₀ (Rat): Estimated >500 mg/kg.
- Skin Irritation: Mild irritation possible (rabbit test).
- Chronic Effects: No data available. Handle as a potential low-toxicity irritant.

生态学资料

- Ecotoxicity: No data. Assume toxic to aquatic life (boron content).
- Persistence: Likely biodegradable.

废弃处理

- Waste Disposal: Dispose as hazardous waste (incineration or licensed facility). Follow local regulations.

运输信息

- UN Number: Non-hazardous for transport (not regulated under ADR/IMO/IATA).

法规信息

- REACH: Registered if manufactured/imported ≥1 ton/year.
- Other Regulations: Follow local chemical management laws.

其他信息

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

Xinya