Section 5 - Fire Fighting Measures

Autoignition Temp: N/A

Extinguishing Media
Suitable: Noncombustible. Use extinguishing media appropriate to surrounding fire conditions.

Firefighting
Protective Equipment
Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Section 6 - Accidental Release Measures

Procedure(s) of Personal Precaution(s)
Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves.

Methods for Cleaning Up
Absorb on sand or vermiculite and place in closed containers for disposal. Wash spill site with soap solution.

Section 7 - Handling and Storage

Handling
User Exposure
Avoid contact with eyes, skin, and clothing. Avoid inhalation. Avoid prolonged or repeated exposure.

Storage
Suitable
Keep tightly closed. Store away from heat. Store at -20°C.

Special Requirements
Do not freeze.

Section 8 - Exposure Controls / PPE

Engineering Controls
Safety shower and eye bath.

Personal Protective Equipment
Respiratory
Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Where risk assessment shows air-purifying respirators are appropriate, use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator.

Hand
Compatible chemical-resistant gloves.

Eye
Chemical safety goggles.

General Hygiene Measures
Wash thoroughly after handling.

Section 9 - Physical/Chemical Properties

Appearance
Physical State
Liquid

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**Ingestion**
May be harmful if swallowed.

**Sensitization**
Sensitization
Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.

**Signs and Symptoms of Exposure**
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**RTECS Number:** LW5840000

**Toxicity Data**
- **Intraperitoneal:** Rat: 660 mg/kg (LD50)
  - Remarks: Behavioral/Somnolence (general depressed activity), Behavioral/Muscle weakness.
- **Subcutaneous:** Rat: 4390 mg/kg (LD50)
  - Remarks: Behavioral/Somnolence (general depressed activity), Behavioral/Muscle weakness.
- **Intraperitoneal:** Mouse: 630 mg/kg (LD50)
  - Remarks: Behavioral/Somnolence (general depressed activity), Behavioral/Muscle weakness.
- **Subcutaneous:** Mouse: 1470 mg/kg (LD50)
  - Remarks: Behavioral/Somnolence (general depressed activity), Behavioral/Muscle weakness.

**Section 12 - Ecological Information**
No data available.

**Section 13 - Disposal Considerations**
Appropriate Method of Disposal of Substance or Preparation
Contact a licensed professional waste disposal service to dispose of this material. Observe all federal, state, and local environmental regulations.

**Section 14 - Transport Information**

**DOT**
- Proper Shipping Name: None
- Non-Hazardous for Transport: This substance is considered to be nonhazardous for transport.

**IATA**
Non-Hazardous for Air Transport: Non-hazardous for air transport.

**Section 15 - Regulatory Information**

**US Classification and Label Text**
- **US Statements:** Caution: Avoid contact and inhalation.
- **United States Regulatory Information:** SARA Listed: No

**TSCA Inventory Item:** Yes

**Canada Regulatory Information**
**WHMIS Classification:** This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

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Section 16 - Other Information

Disclaimer
For R&D use only. Not for drug, household or other uses.

Warranty
The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Inc. shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice packing slip for additional terms and conditions of sale. Copyright 2008 Sigma-Aldrich Co. Licensee granted to make unlimited paper copies for internal use only.