Section 4 - First Aid Measures

Oral Exposure
If swallowed, wash out mouth with water provided person is conscious. Call a physician.

Inhalation Exposure
If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

Dermal Exposure
In case of contact, immediately wash skin with soap and copious amounts of water.

Eye Exposure
In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.

Section 5 - Fire Fighting Measures

Autoignition Temp: N/A

Extinguishing Media
Suitable: Water spray, Carbon dioxide, dry chemical powder, or appropriate foam.

Firefighting
Protective Equipment
Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Specific Hazard(s)
Exhale toxic fumes under fire conditions.

Section 6 - Accidental Release Measures

Procedure(s) of Personal Protection(s)
Wear respiratory, chemical safety goggles, rubber boots, and heavy rubber gloves.

Methods for Cleaning Up
Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

Section 7 - Handling and Storage

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

Storage
Suitable: Keep tightly closed. Store in a cool dry place.

Special Requirements
Light sensitive.

Section 8 - Exposure Controls / PPE

Engineering Controls
Safety shower and eye bath. Mechanical exhaust required.

Personal Protective Equipment
Respiratory
Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Respiratory protection is not required. Where protection from nuisance levels of dust are desired, use type N95 (US) or type P1 (EN 143) dust masks.

Hand
Compatible chemical-resistant gloves.

Eye
Chemical safety goggles.
General Hygiene Measures
Wash thoroughly after handling. Wash contaminated clothing before reuse.

Section 9 - Physical/Chemical Properties

**Appearance**
- Physical State: Solid

**Molecular Weight:** 324.3 AMU

**pH:** N/A
**BP/MP Range:** N/A
**MP/MP Range:** N/A
**Freezing Point:** N/A
**Vapor Pressure:** N/A
**Vapor Density:** N/A
**Saturated Vapor Conc.** N/A
**SG/Density:** N/A
**Bulk Density:** N/A
**Odor Threshold:** N/A
**Volatile:** N/A
**VOC Content:** N/A
**Water Content:** N/A
**Solvent Content:** N/A
**Evaporation Rate:** N/A
**Viscosity:** N/A
**Partition Coefficient:** N/A
**Decomposition Temp.** N/A
**Flash Point °F:** N/A
**Flash Point °C:** N/A
**Expiration Limits:** N/A

**Flammability:** N/A
**Autoignition Temp:** N/A
**Solubility:** N/A

N/A = not available

Section 10 - Stability and Reactivity

**Stability:** Stable
**Stable**
**Materials to Avoid:** Strong oxidizing agents.

**Hazardous Decomposition Products**
Carbon monoxide, Carbon dioxide, Nitrogen oxides, Hydrogen chloride gas.

Section 11 - Toxicological Information

**Hazardous Polymerization**
Will not occur.

**Route of Exposure**
- **Skin Contact:** May cause skin irritation.
- **Skin Absorption:** May be harmful if absorbed through the skin.
- **Eye Contact:** May cause eye irritation.
- **Inhalation:** May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract.
- **Ingestion:** May be harmful if swallowed.

**Target Organ(s) or System(s)**
Brain.

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

**Conditions Aggravated by Exposure**
The toxicological properties have not been thoroughly investigated.

**RTECS Number:** N/A

Section 12 - Ecological Information

No data available.

Section 13 - Disposal Considerations

**Appropriate Method of Disposal of Substance or Preparation**
Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an offgas burner and scrubber. 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 non-hazardous 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. Target organ(s): Brain.

**United States Regulatory Information**
SARA Listed: No

**Canada Regulatory Information**
WHMIS Classification
This product has been classified in accordance with the hazard criteria of the CPPI and the MSDS contains all the information required by the CPPI.
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 or packing slip for additional terms and conditions of sale. Copyright 2007 Sigma-Aldrich Co. License granted to make unlimited paper copies for internal use only.