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)
Emits toxic fumes under fire conditions.

Section 6 - Accidental Release Measures

Procedure(s) of Personal Precautions(s)
Wear respirator; 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 inhaling, avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

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

Section 8 - Exposure Controls / PPE

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

Personal Protective Equipment
Respiratory Government approved 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
Solid

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Molecular Weight: 146.15 AMU

pH

BP/BD Range  N/A
MP/MP Range  185 °C
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
Explosion Limits  N/A

Flammability  N/A
Autoignition Temp.  N/A
Optical Rotation  Degree of Rotation:
Solvent: 5 M HCl 50 g/l

Solubility
Solubility in Water: 0.1 M in H2O, 20°C, complete, colorless

N/A = not available

Section 10 - Stability and Reactivity

Stability
Stable.
Materials to Avoid
Strong oxidizing agents.

Hazardous Decomposition Products
Hazardous Decomposition Products
Carbon monoxide, Carbon dioxide, Nitrogen oxides.

Hazardous Polymerization
Hazardous Polymerization
Will not occur.

Section 11 - Toxicological Information

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.

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.

Disassemble or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner 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

United States Regulatory Information
CARA 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.
  - DSL: Yes.
  - NSDL: No.

Section 16 - Other Information

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

Warranty
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