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.

Specific Hazard(s):
Emits toxic fumes under fire conditions.

Section 6 - Accidental Release Measures

Procedure(s) of Personal Precaution(s):
Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.

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

Storage:
Suitable: Keep tightly closed.

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 CE (EU). Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks.

Hand:
Protective gloves.

Eye:
Chemical safety goggles.

Sigma Chemical - H8125
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Section 9 - Physical/Chemical Properties

<table>
<thead>
<tr>
<th>Appearance</th>
<th>Physical State</th>
<th>Color</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Solid</td>
<td>Colorless</td>
<td>Crystalline</td>
</tr>
</tbody>
</table>

Molecular Weight: 229.63 AMU

pH: 3.0 - 4.0

BP/BP Range: NA

MP/MP Range: 214 °C

Freezing Point: NA

Vapor Pressure: NA

Vapor Density: NA

Saturated Vapor Conc.: NA

SG/Density: NA

Bulk Density: NA

Odor Threshold: NA

Volatile%: NA

VOC Content: NA

Water Content: NA

Solvent Content: NA

Evaporation Rate: NA

Viscosity: NA

Partition Coefficient: NA

Decomposition Temp.: NA

Flash Point °F: NA

Flash Point °C: NA

Explosion Limits: NA

Flammability: NA

Autoignition Temp: NA

Optical Rotation: -11.5° to +9.3° (+0.5)

Solubility

Solubility in Water: 0.5 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

Carbon monoxide, Carbon dioxide, Nitrogen oxides

N/A = not available

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.

Ingestion

May be harmful if swallowed.

Signs and Symptoms of Exposure

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

RTECS Number: MS3119000

Toxicity Data

Intraperitoneal - Mouse: >1677 MG/KG (LD50)

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. Dissolve 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 nonhazardous for transport.

IATA

Non-Hazardous for Air Transport

Non-hazardous or air transport.

Section 15 - Regulatory Information

EU Additional Classification

S: 22 24/25

Do not breathe dust. Avoid contact with skin and eyes.

US Classification and Label Text

US Statements

Caution: Avoid contact and inhalation.

United States Regulatory Information

SARA Listed: No
Section 16 - Other Information

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

Warranty
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