

If patient ingests this material, consider to stomach lavage or use active carbon.

Section 5: Fire Fighting Measures

- Extinguishing Media:** Use water spray, dry chemical, carbon dioxide, or alcohol resistant foam.
Do NOT use solid water stream as it may spread fire.
Use water to cool exposed containers.
Containers may explode in the heat of a fire.
Move fire-exposed containers, if safe to do so.
- Special Protective Equipment:** Wear a self-contained breathing apparatus MSHA/NIOSH (approved or equivalent), and full protective gear.
- Specific Hazards:** Fire residues and contaminated water must be disposed of in accordance with local regulations.

Section 6: Accidental Release Measures

- Emergency Procedures:** Wear personal protection equipment.
Avoid contact with skin, eyes and clothing.
Avoid breathing vapors, mist or gas.
Ensure adequate ventilation.
Keep unnecessary personnel away.
Remove all sources of ignition.
- Environmental Precautions:** Prevent further leakage or spillage if safe to do so.
Do not let product enter soil, ditches, sewers, waterways, or groundwater.
- Methods of containment/cleanup:** Absorb with inert materials and place into appropriate containers for disposal.
Large spills should be collected mechanically (remove by pumping) for disposal.
Use water and detergent to wash the contaminated ground.
Collect the wastewater to be disposed at a wastewater processing station.
Notify appropriate authorities and dispose of in accordance with applicable requirements.

Section 7: Handling and Storage

- Handling:** Wear personal protection equipment.
Avoid contact with eyes, skin and clothing.
Avoid ingestion and inhalation.
Use only in well-ventilated area.
Wash thoroughly after handling.
Empty containers retain product residue (liquid and/or vapor), and can be dangerous.
- Storage:** Store tightly closed container in a cool, dry, well-ventilated area away from direct sunlight.
Keep isolated from incompatible materials.
Keep away from heat, sparks, flame and other sources of ignition.

Section 8: Exposure Controls / Personal Protection

- Exposure Limit:** No exposure limits established.
- Engineering Controls:** Use adequate ventilation to keep airborne concentrations low.
An emergency eye wash/shower must be readily accessible to the work area.
- Personal Protective Equipment:**
- Respirators:** Follow the OSHA respirator regulations found in 29 CFR 1910.134. In confined areas, use a self-contained breathing apparatus.

Skin Protection: Wear appropriate protective gloves and clothing to prevent skin exposure.

Recommended glove material: Neoprene, Butyl/Nitrile/Chloroprene rubber.

Eye Protection: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133.

Section 9: Physical and Chemical Properties

| | |
|--|-----------------------|
| Physical State: | Liquid |
| Color: | Clear, colorless |
| Odor: | Mild |
| Odor Threshold: | Not applicable |
| pH: | Neutral at 20 °C |
| Melting/Freezing Point: | -48 °C |
| Boiling Point: | 251°C to 254 °C |
| Decomposition Temperature: | No data available |
| Flash Point: | 220 °C |
| Auto-ignition Temperature: | 345 °C |
| Flammability/Explosive Limits: | Not applicable |
| Vapor Pressure: | < 0.0001 hPa at 50 °C |
| Vapor Density (air=1): | No data available |
| Relative Density (water=1): | 0.9624 at 20 °C |
| Solubility (in water): | < 0.1 µg/l (25 °C) |
| Partition coefficient: n-Octanol/water: | Log Pow: > 6 |
| Evaporation Rate (Butyl Acetate=1) | No data available |
| Kinematic Viscosity | No data available |
| Molecular Weight: | 446.672 g/mol |

Section 10: Stability and Reactivity

| | |
|--------------------------------|---|
| Stability: | Stable at room temperature and under normal conditions. |
| Hazardous Reactions: | Thermally stable at typical use temperatures. Polymerization will not occur. |
| Conditions to Avoid: | Avoid heat, sparks, open flames and other sources of ignition. |
| Incompatible Materials: | No data available. |
| Decomposition Products: | Carbon oxides. |

Section 11: Toxicological Information

Potential Health Effects:

| | |
|---------------|--------------------------------------|
| Inhalation: | Not expected to be harmful. |
| Skin Contact: | May be harmful in contact with skin. |
| Eye Contact: | Not expected to be harmful. |

Ingestion: Not expected to be harmful.

Symptoms of Exposure: The mist and vapors generated when heated may irritate and cause cough, sore throat or nausea.

Chronic Effects: There is no evidence that this material is toxic.

Numerical Measures of Acute Toxicity:

| Route | Test | Subject | Value | Time |
|------------|-------|---------|---------------|--------|
| Oral | LD 50 | Rat | > 5,000 mg/kg | |
| Dermal | LD 50 | Rabbit | > 2,000 mg/kg | |
| Inhalation | LC 50 | Rat | > 20.5 mg/L | 1 hour |

Additional Information:

Aspiration Toxicity: Not classified based on available information.

Carcinogenicity: This product is not classified as a carcinogen by IARC or U.S. ACGIH, NTP or OSHA.

Germ cell mutagenicity: Not classified based on available information.

Reproductive toxicity: Not classified based on available information.

Sensitization: Not classified based on available information.

STOT - Repeated Exposure: Not classified based on available information.

STOT - Single Exposure: Not classified based on available information.

Section 12: Ecological Information

| Ecotoxicity | Group | Test | Subject | Value | Time |
|-------------|------------------------|-------|-------------------|---------------|----------|
| | Fish: | LC 50 | Brachydanio rerio | > 10,000 mg/L | 96 hours |
| | Aquatic invertebrates: | EC 50 | Daphnia magna | > 100 mg/L | 48 hours |
| | Aquatic plants: | EC 50 | Algae | > 100 mg/L | 72 hours |

Persistence and Degradability: Readily Biodegradable.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

Section 13: Disposal Considerations

Packaging: Empty containers may retain product residue, follow label warnings even after container is emptied.

Disposal: Dispose of according to Federal, State, and Local Regulations.

Section 14: Transportation Information

The information in this section is for reference only and should not take the place of a bill of lading specific to an order.

Product is not regulated for transport per 49 CFR

Section 15: Regulatory Information

US Federal - TSCA: This product is listed on the TSCA active inventory.

California - Prop 65:

This product is not subject to the State of California's Proposition 65 regulations.

Section 16: Other Information

Revision Date: Wednesday, February 26, 2020

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall AllChem be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if AllChem has been advised of the possibility of such damages.