

Remove contaminated clothing. Wash skin with soap and water. Get medical attention. Wash clothing separately and clean shoes before reuse.

Ingestion

If swallowed, do NOT induce vomiting. Give victim a glass of water. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

Section 5: Fire-fighting Measures

Flash Point: 100 C (212 F)

LEL:

UEL:

Extinguishing Media

Water spray, foam, carbon dioxide, dry chemical

Specific Hazards Arising from the Chemical

None known

Special Protective Equipment and Precautions for Firefighters

Special Information: As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear.

Section 6: Accidental Release Measures

Spill and Leak Procedures

Use proper personal protective equipment. Soak up with absorbent material and place in properly labeled containers for disposal.

Section 7: Handling and Storage

Handling Procedures

Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling.

STORAGE: Keep container closed. Store in a cool, well-ventilated place away from incompatible materials.

Do not handle or store near an open flame, heat or other sources of ignition. Protect material from direct sunlight.

Section 8: Exposure Control/Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Poly [oxyethylene (dimethyliminio)ethylene (dimethyliminio)ethylene dichloride] 31512-74-0			

RESPIRATORY PROTECTION: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant the use of a respirator.

SKIN PROTECTION: Wear impervious protective gloves. Wear protective gear as needed - apron, suit, boots.

EYE PROTECTION: Wear safety glasses with side shields (or goggles) and a face shield.

OTHER PROTECTIVE EQUIPMENT: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

HYGENIC PRACTICES: Do not eat, drink, or smoke in areas where this material is used. Avoid breathing vapors. Remove contaminated clothing and wash before reuse. Wash thoroughly after handling. Wash hands before eating.

Section 9: Physical and Chemical Properties

<p>Appearance: Clear pale yellow to yellow liquid</p> <p>Vapor Pressure: Unknown</p> <p>Vapor Density: Unknown</p> <p>Density: Unknown</p> <p>Freezing point: Unknown</p> <p>Boiling range: Unknown</p> <p>Evaporation rate: Unknown</p> <p>Explosive Limits: Unknown</p> <p>Autoignition temperature: Unknown</p> <p>Viscosity: Unknown</p>	<p>Odor: Unknown</p> <p>Odor threshold: Unknown</p> <p>pH: Unknown</p> <p>Melting point: Unknown</p> <p>Solubility: Complete</p> <p>Flash point: Unknown</p> <p>Flammability: Unknown</p> <p>Specific Gravity: 1.026</p> <p>Decomposition temperature: Unknown</p> <p>Grams VOC less water: Unknown</p>
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Section 10: Stability and Reactivity

Chemical Stability:

STABLE

Incompatible Materials

Strong oxidizing agents. Alkali. Anionic polymers.

Conditions to Avoid

Avoid exposure to heat and direct sunlight.

Hazardous Decomposition Products

Carbon monoxide.

Hazardous Polymerization

Hazardous polymerization will not occur.

Section 11: Toxicology Information

Mixture Toxicity

Inhalation Toxicity LC50: 24mg/L

Component Toxicity

31512-74-0 Poly [oxyethylene(dimethyliminio)ethylene(dimethyliminio)ethylene dichloride]
Oral LD50: 1,850 mg/kg (Rat) Dermal LD50: 2,000 mg/kg (Rabbitt)

Routes of Entry:

Inhalation
Ingestion
Skin contact
Eye contact

Target Organs

Effects of Overexposure

Emergency Overview

Harmful if swallowed. May cause skin and eye irritation.

Health Effects

Eye contact may cause irritation. Constant skin contact may cause irritation.

CAS Number

Description

% Weight

Carcinogen Rating

Section 12: Ecological Information

Component Ecotoxicity

Section 13: Disposal Considerations

Dispose of in accordance with local, state and federal regulations.

Section 14: Transportation Informations

Refer to Bill of Lading or container label for DOT or other transportation hazard classification, if any.

Section 15: Regulatory Information

Country

Regulation

All Components Listed

Section 16: Other Information

Date Prepared: 7/28/2015

Reviewer Revision

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