

Eye

Remove contact lenses, keep eyelids open. Flush with plenty of water (10-15 minutes). Call a physician.

Inhalation

Remove to fresh air and keep warm. Irregular breathing/no breathing: artificial respiration. Get medical attention.

Ingestion

Do not induce vomiting. Never give anything by mouth to an unconscious person. In all cases of doubt, or when symptoms persist, seek medical attention. Call a physician.

Medical Conditions Aggravated by Exposure

In all cases of doubt or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. Unconsciousness: lateral position - call a physician.

This product is unlikely to harm health, given normal and proper handling and hygienic precautions. Prolonged inhalation of vapors in high concentrations may lead to headache, giddiness and nausea. In case of contact with the product danger of resorption through the skin, irritation of skin/mucous membranes.

5 FIRE FIGHTING MEASURES

Extinguishing Media

Chemical powder, foam, carbon dioxide

Basic Fire Fighting Procedures

Water spray may be ineffective on flames, but can be used to cool endangered containers. Do not enter confined spaces without full bunker gear (helmet with face shield, bunker coats, gloves, rubber boots, etc.) including a positive-pressure NIOSH approved, self-contained breathing apparatus.

Unusual Fire & Explosion Hazards

Containers exposed to intense heat should be cooled with water to prevent vapor pressure build-up that could result in container rupture. Container areas exposed to direct flame should be cooled with water to prevent weakening of container structure.

Flash Point	25 °C
Flammability Limits in Air, Lower, % by Volume	0.6
Flammability Limits in Air, Upper, % by Volume	10

6 ACCIDENTAL RELEASE MEASURES

Environmental Precautions

Do not empty into drains. If the product contaminates lakes, rivers or sewer systems, inform appropriate authorities in accordance with local regulations.

Spill or Leak Procedure

Remove all sources of ignition. Ventilate area.

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent. Avoid use of solvents.

7 HANDLING & STORAGE

Handling

Prevent the creations of flammable or explosive concentration of dust in air and avoid dust concentration higher than the occupational exposure limits. Additionally, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Comply with the health and safety at work laws.

Vapors are heavier than air and may spread along floors. Vapors may form explosive mixtures with air. Preparation may change electrostatically: always use earthing leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used.

Storage

Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep container tightly closed. Never use pressure to empty: container is not a pressure vessel. No smoking. Prevent unauthorized access. Keep away from oxidizing agents, from strongly alkaline and strongly acid materials. Always keep in containers of same material as the original one. Avoid heating and direct sunlight.

Ventilation

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient in maintaining concentrations of particles and solvent vapor below the OEL, suitable respiratory protection must be worn.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Eye Protection: Personal Protection Equipments (PPE)

When contact may occur, we recommend the use of chemical resistant and splash-protected safety goggles.

Skin Protection: Personal Protection Equipments (PPE)

Chemical resistant gloves should be worn. Personal should wear anti static clothings made of natural fiber or of high temperature resistant synthetic fiber. All parts of the body should be washed after contact. After washing hands, replace lost skin fat by fat containing skin creams.

Respiratory Protection: Personal Protection Equipments (PPE)

If workplace limits are exceeded, a gas mask approved for this particular job must be worn.

9 PHYSICAL & CHEMICAL PROPERTIES

Odor and Appearance

Clear liquid with odor of organic solvents

Boiling Point	124 - 180 °C
Specific Gravity	0.89 H ₂ O=1
Melting Point	n.a.
Percent Volatile	100 %
Vapor Pressure	12.5 (mm HG.) hPa
Evaporation Rate	n.a.
Vapor Density	> 1
Solubility In Water	no

10 STABILITY & REACTIVITY

Stability/Incompatibility

Stable under recommended storage and handling conditions. INCOMPATIBILITY:
Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous Reactions/Decomposition Products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

Hazardous Polymerization

none.

11 TOXICOLOGICAL INFORMATION

Routes of Exposure

Inhalation, ingestion, skin and eye contact.

12 ECOLOGICAL INFORMATION

EcoToxicological Information

NA

13 DISPOSAL CONSIDERATIONS

Waste Disposal

Follow federal, state and local regulations to dispose of or incinerate waste material.

14 TRANSPORT INFORMATION

Department of Transportation (DOT) Requirements:

General Transportation Information for Bulk Shipments

Proper Shipping Name Flammable Liquid

UN/NA Code 1263

15 REGULATORY INFORMATION

NFPA Ratings

Health

Flammability

Reactivity

Special Hazards

HMIS Ratings

Health 2

Flammability 3

Reactivity 1

Personal Prot. Equip. C

16 OTHER INFORMATION

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