

4. FIRST AID MEASURES

EYE CONTACT: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

SKIN CONTACT: Remove contaminated clothing and launder before reuse. Wash with soap and water. Get medical attention if irritation persists.

INGESTION: Give two glasses of water for dilution. DO NOT induce vomiting. SEEK medical attention.

INHALATION: Remove victim to fresh air. If symptoms persist, seek medical attention.

5. FIRE FIGHTING MEASURES

FLASH POINT (method): 445° F-520° F (ASTM D-92)

FLAMMABLE LIMITS: Ignition 840° F.

LOWER EXPLOSION LIMIT: Not Determined

UPPER EXPLOSION LIMIT: Not Determined

FLAMMABILITY CLASS: Combustible when heated.

EXTINGUISHING MEDIA: Carbon dioxide, Dry chemical and Foam.

HAZARDOUS COMBUSTION PRODUCTS: Carbon Monoxide, Carbon Dioxide and Dense Smoke.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Closed containers can explode due to buildup of pressure when exposed to extreme heat; do not use direct stream of water on pool fires as product may reignite on water surface. Caution- Material will support combustion!

FIRE-FIGHTING INSTRUCTIONS/EQUIPMENT: Firefighters must wear full facepiece self-contained breathing apparatus in positive pressure mode. Do not use solid stream of water, since stream will scatter and spread fire. Fine water spray can be used to keep fire-exposed containers cool.

NFPA RATING: See Section 15.

6. ACCIDENTAL RELEASE MEASURES

Dike areas with sand, earth, sawdust or other absorbent.

SMALL SPILL: Wash to sanitary sewer with plenty of detergent and water.

LARGE SPILL: Confine spill, soak up with approved absorbent, shovel product into approved container for disposal. Wash area with plenty of water.

Dispose of in accordance with State, Local and Federal Regulations.

7. HANDLING AND STORAGE

HANDLING PRECAUTIONS: Keep container closed when not in use. Protect containers from abuse.

STORAGE REQUIREMENTS: Protect containers from extreme temperatures. Store containers in a covered area. Check all containers for leaks. Keep out of reach of children. Minimize body contact with this product as well as all chemicals in general.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE and FACE PROTECTION: Chemical Goggles or Safety Glasses with Side Shields in combination with a Face Shield.

SKIN and HAND PROTECTION: Use neoprene, rubber or chemical resistant gloves.

RESPIRATORY PROTECTION: None required with adequate room ventilation.

OTHER PERSONAL PROTECTIVE EQUIPMENT: Safety eyewash and shower nearby.

ENGINEERING CONTROLS: Normal room ventilation. Local exhaust in confined areas.

ADMINISTRATIVE CONTROLS: Keep this and other chemicals out of reach of children: minimize body contact with this product as well as all chemicals in general.

OTHER INFORMATION: Do Not inhale or swallow this product. Do Not smoke or eat in the work area. Wash hands thoroughly after handling. Keep away from children.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Liquid

PHYSICAL STATE: Liquid.

ODOR: Mild Odor.

ODOR THRESHOLD (PPM): Not Determined

SPECIFIC GRAVITY : 0.963 (Water=1)

DENSITY : 8.1-8.6 Lbs/Gal.

SOLUBILITY IN WATER (20° C) : Negligible

SOLUBILITY IN FAT: Not Determined.

COEFFICIENT of WATER/OIL SOLUBILITY: Not Determined.

PARTITION COEFFICIENT (n-octanol/water): Not Determined.

pH: Not Applicable

MELTING POINT: Not Applicable.

BOILING POINT: Not Applicable.

EVAPORATION RATE: Slower than Ether (Ignition Temperature 840° F)

V.O.C.: NIL

FLASH POINT: / AUTOIGNITION TEMPERATURE: / FLAMMABILITY CLASSIFICATION: /

UNUSUAL FIRE or EXPLOSION HAZARDS: See Section 5

OXIDIZING PROPERTIES: None Known.

OTHER INFORMATION: Do NOT TRANSFER into Unmarked Drums.

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable.

HAZARDOUS POLYMERIZATION: Will Not Occur.

CONDITIONS TO AVOID: Strong oxidizers, strong acids. Extreme temperatures.

CHEMICALS TO AVOID: Strong oxidizing agents. Strong acids.

HAZARDOUS DECOMPOSITION PRODUCTS (non-thermal): None known.

11. TOXICOLOGICAL INFORMATION

SENSITIZATION TO PRODUCT: Preexisting skin, eye, or respiratory disorders may become aggravated through prolonged exposure.

IRRITANCY OF PRODUCT: Not Known.

REPRODUCTIVE TOXICITY: Not known.

TERATOGENICITY: Not known.

MUTAGENICITY: Not known.

12. ECOLOGICAL INFORMATION

MOBILITY: Not Determined.

DEGRADABILITY: Not Determined.

ACCUMULATION: Not Determined.

ECOTOXICITY: Not Determined.

OTHER ADVERSE EFFECTS: Not Determined.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Disposal should be made in accordance with federal, state and local regulations. Products classified as non-hazardous may become hazardous waste upon contact with other products. Refer to "40 CFR Protection of Environment Parts 260-299" for complete waste disposal regulations.

14. TRANSPORT INFORMATION

U.S. D.O.T. PROPER SHIPPING NAME: Not Regulated.

HAZARD CLASS or DIVISION: NONE

I.D. NUMBER: None

15. REGULATORY INFORMATION

OSHA HAZARD STATUS: Combustible when heated.

EPA SARA Sec. 311/ 312 HAZARD CATEGORIES: None.

TOXIC SUBSTANCES CONTROL ACT (TSCA): Not on List.

SARA Title III, Section 313, CHEMICALS: Not on List

CALIFORNIA Proposition 65 Safe Drinking Water and Toxic Enforcement Act Substances List: Not on List.

NEW JERSEY RIGHT-TO-KNOW HAZARDOUS SUBSTANCES LIST: Not on List.

MASSACHUSETTS RIGHT-TO-KNOW SUBSTANCE LIST: Not on List.

PENNSYLVANIA HAZARDOUS SUBSTANCES LIST: Not on List.

HMIS RATING: HEALTH 0, FLAMMABILITY 1, REACTIVITY 0

NFPA RATING: HEALTH 0, FLAMMABILITY 1, REACTIVITY 0

16. OTHER INFORMATION

MSDS PREPARED BY: Director of Chemical Safety

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*** END OF MSDS ***