

HEALTH EFFECTS OR RISKS FROM EXPOSURE. EXPLAIN IN LAY TERMS.

ACUTE: See symptoms of over-exposure above.

CHRONIC: None reported.

SECTION 4**FIRST AID MEASURES****FIRST AID: EMERGENCY PROCEDURES**

EYE CONTACT: Flush with water, including under lids, for fifteen minutes. Obtain immediate medical attention.

SKIN CONTACT: Remove contaminated clothing and wash affected area thoroughly with soap and water. Launder clothing before rewearing. Seek medical attention for prolonged skin irritation.

INHALED: Remove patient to fresh air. Support breathing if required. Obtain medical treatment for dizziness, unconsciousness or irritation or difficulty in breathing.

SWALLOWED: If patient is conscious, rinse mouth and drink at least two large glasses of water. **DO NOT** induce vomiting. Never give anything by mouth to an unconscious person. Obtain immediate medical attention.

SECTION 5**FIRE FIGHTING MEASURES**

FLASH POINT (°F) (METHOD USED): Not combustible.

AUTOIGNITION TEMPERATURE, °F: N.A.

FLAMMABLE LIMITS IN AIR, VOLUME, %: LOWER LIMIT N.A. UPPER LIMIT N.A.

FIRE EXTINGUISHING MATERIALS: Use media appropriate for the surrounding fire.

WATER CARBON DIOXIDE OTHER

FOAM DRY CHEMICAL

SPECIAL FIREFIGHTING PROCEDURES: Wear a NIOSH/MSHA approved, self-contained breathing apparatus and full protective gear if fully involved in a fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None.

SECTION 6**ACCIDENTAL RELEASE MEASURES**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Wear appropriate skin and eye protection. Contain spill and neutralize by means of slow and careful application of a solution of soda ash and water. Absorb on clay or sawdust and shovel into container. Treat as solid waste at a proper hazardous waste site. Rinse spill area with water. Do not allow this material or its rinsings to enter storm or sanitary sewers.

SECTION 7**HANDLING AND STORAGE**

HANDLING AND STORAGE REQUIREMENTS: Store in a cool dry place away from food products.

SECTION 8**EXPOSURE CONTROLS / PERSONAL PROTECTION**

VENTILATION: Local exhaust.

RESPIRATORY PROTECTION: Wear a NIOSH/MSHA approved respirator in a major spill.

EYES PROTECTION: Chemical safety goggles.

GLOVES: Compatible chemical resistant gloves.

OTHER CLOTHING AND EQUIPMENT: Rubber apron.

WORK PRACTICES, HYGIENIC PRACTICES: Safety shower and eye wash. Wash thoroughly after handling. Launder contaminated clothing.

SECTION 9**PHYSICAL / CHEMICAL PROPERTIES**

VAPOR DENSITY (AIR =1): N.A. **SPECIFIC GRAVITY:** 1.01-1.05

VAPOR PRESSURE (MM Hg): N.A. **MELTING POINT (°F):** N.A.

EVAPORATION RATE (BUTYL ACETATE=1): N.A. **BOILING POINT (°F):** N.D.

SOLUBILITY IN WATER: Complete **pH:** <2

APPEARANCE AND ODOR: Clear, colorless liquid with a sweet, pleasant odor.

SECTION 10**STABILITY AND REACTIVITY**

STABILITY: STABLE UNSTABLE

CONDITIONS TO AVOID: None.

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizing or reducing agents.

HAZARDOUS DECOMPOSITION PRODUCTS (INCLUDING COMBUSTION PRODUCTS): Fumes of carbon monoxide, carbon dioxide and sulfur oxides can be released when heated to dryness or in a fire.

HAZARDOUS POLYMERIZATION: MAY OCCUR WILL NOT OCCUR

SECTION 11 TOXICOLOGICAL INFORMATION

ACUTE EFFECTS: No data reported.

IRRITATION DATA: No data reported.

TOXICITY DATA: Dermal LD50 (rabbit) 2000 mg/kg; methane sulfonic acid (MSA)
Oral LD50(mouse) 6200 mg/kg sodium salt of MSA

TARGET ORGAN DATA: No data reported.

SECTION 12 ECOLOGICAL INFORMATION

This product is harmful to aquatic life.

SECTION 13 DISPOSAL CONSIDERATIONS

Dispose of all chemical wastes at an appropriate waste disposal facility. Follow all local, state, and federal regulations for disposal of waste chemicals.

SECTION 14 TRANSPORT INFORMATION

Not regulated.

SECTION 15 REGULATORY INFORMATION

This product is not regulated as a toxic chemical under Section 313 of Title III/SARA, and 40 CFR, Part 372.
This product is not regulated by the California Proposition 65 list.
All ingredients are listed in the TSCA inventory.
For the purposes of the New Jersey Right to Know Law, the contents are partially known.

SECTION 16 OTHER INFORMATION

H Health	1
F Flammability	0
R Reactivity	0
Personal Protection	C