

MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA'S Hazard Communication Standard 29 CFR 1910.1200 and OSHA Form

IDENTITY AND DISTRIBUTOR'S INFORMATION

| | |
|---|---|
| NFPA Rating: Health-1; Flammability-3; Reactivity-0; Special- Manufactured For: Address: Address: Phone: | HMIS Rating: Health-1; Flammability-3; Reactivity-0; Personal Protection-1 DOT Hazard Classification: Flammable Liquid, 3 Identity (trade name as used on label): MSDS Number: R 130 Revision - 4 Date Prepared: 11/01/93 Prepared By: ES/IAB Information Calls: (404)422-2071 |
| EMERGENCY RESPONSE NUMBER: NOTICE: JUDGEMENT BASED ON INDIRECT TEST DATA | |

SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION

| COMPONENTS-CHEMICAL NAMES AND COMMON NAMES (Hazardous Components 1% or greater; Carcinogens 0.1% or greater) | CAS Number | SARA III LIST | OSHA PEL (ppm) | ACGIH TLV (ppm) | Carcinogen Ref. Source ** |
|---|------------|------------------|-------------------|--------------------|------------------------------|
| ISOPROPANOL | 67-63-0 | Yes | 400 | 400 | d |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS

| | |
|--|--|
| Boiling Point: N/D | Specific Gravity (H2O=1): 0.90 |
| Vapor Pressure: PSIG @ 70°F (Aerosols): N/A | Vapor Pressure (Non-Aerosols)(mm Hg and Temperature): N/D |
| Vapor Density (Air = 1): N/D | Evaporation Rate (= 1): N/D |
| Solubility In Water: Dispersible | Water Reactive: No |
| Appearance and Odor: Non-viscous, white emulsion with alcohol odor. | |

SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

| | | |
|--|---|---|
| FLAMMABILITY as per USA FLAME PROJECTION TEST (aerosols) N/A | Auto Ignition Temperature N/D | Flammability Limits in Air by % In Volume: % LEL: 2 % UEL: 12 |
| FLASH POINT AND METHOD USED (non-aerosols): 86°F (TCC) | | SPECIAL FIRE FIGHTING PROCEDURES: Cool fire exposed containers with water. |
| EXTINGUISHER MEDIA: Water fog, "alcohol" foam, dry chemical or CO2. | | |
| Unusual Fire & Explosion Hazards: None known. | | |

SECTION 4 - REACTIVITY HAZARD DATA

| | |
|---|--|
| STABILITY <input checked="" type="checkbox"/> STABLE <input type="checkbox"/> UNSTABLE | HAZARDOUS POLYMERIZATION <input type="checkbox"/> WILL <input checked="" type="checkbox"/> WILL NOT OCCUR |
| Incompatibility (Mat. to avoid): Any material not compatible with water. | Conditions to Avoid: Heat, all sources of ignition. |
| Hazardous Decomposition Products: Oxides of carbon, unidentified organic compounds. | |

SECTION 5 - HEALTH HAZARD DATA

| | |
|--|---|
| PRIMARY ROUTES OF ENTRY: <input checked="" type="checkbox"/> INHALATION <input checked="" type="checkbox"/> INGESTION <input type="checkbox"/> SKIN ABSORPTION <input checked="" type="checkbox"/> EYE <input type="checkbox"/> NOT HAZARDOUS | |
| ACUTE EFFECTS | |
| Inhalation: High concentrations of vapor (not likely to occur) can irritate respiratory tract & may cause bronchopneumonia or pulmonary edema. | |
| Eye Contact: Liquid or vapor contact may cause irritation. | Skin Contact: Not expected to have adverse effects. |
| Ingestion: May cause nausea, vomiting & abdominal pain. If vomiting occurs, aspiration of vomitus into lungs may cause bronchopneumonia or pulmonary edema. | |
| CHRONIC EFFECTS: None known. | |
| Medical Conditions Generally Aggravated by Exposure: None known. | |

EMERGENCY FIRST AID PROCEDURES

| |
|--|
| Eye Contact: Flush with water for 15 minutes. If irritation persists, get medical attention. |
| Skin Contact: Wash with soap and water. |
| Inhalation: Remove to fresh air. |
| Ingestion: DO NOT INDUCE VOMITING. Drink 2 large glasses of water. Get immediate medical attention. |

SECTION 6 - CONTROL AND PROTECTIVE MEASURES

| | |
|---|--|
| Respiratory Protection (specify type): None normally needed. | Eye Protection: Chemical goggles. |
| Protective Gloves: None normally needed. | |
| Ventilation Requirements: Normal ventilation is usually adequate. Use explosion-proof ventilation if needed to maintain concentrations below Section 1 levels. | |
| Other Protective Clothing & Equipment: Eyewash station & safety shower | |
| Hygienic Work Practices: Do not eat, drink or smoke in work area. Wash hands after handling. | |

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

| |
|---|
| Steps To Be Taken If Material Is Spilled Or Released: Eliminate all ignition sources. Soak up in an inert absorbent & allow to dry in a ventilated area. |
| Waste Disposal Methods: Small quantities of liquid may be flushed down sewage line. Dried absorbent can be disposed of as non-hazardous solid waste. |
| Precautions To Be Taken In Handling & Storage: Store in original shipping containers. Keep closed when not in use. Shelf life 1 year. Protect from extreme heat. |
| Other Precautions &/or Special Hazards: KEEP OUT OF REACH OF CHILDREN. Read & follow label directions. |

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.
 ** Chemical Listed as Carcinogen or Potential Carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not Listed [e] Animal Data Only