

MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA's Hazard Communication Standard 29 CFR 1910.1200 and GHS Form 1

IDENTITY AND DISTRIBUTOR'S INFORMATION

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

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 (H ₂ O=1): 0.99
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 (1CC)	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: INHALATION INGESTION SKIN ABSORPTION EYE 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.

Protective Gloves: None normally needed. Eye Protection: Chemical goggles.

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