

# MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA'S Hazard Communication Standard 29 CFR 1910.1200 and OSHA Form 174

IDENTITY AND MANUFACTURER'S INFORMATION					
<b>NFPA Rating:</b> Health-2; Flammability-3; Reactivity-0; Special- -			<b>HMIS Rating:</b> Health-2; Flammability-3; Reactivity-0; Personal Protection-B		
<b>Manufacturer's Name:</b> AMREP, INC. Address: 990 Industrial Park Drive Marietta, GA 30062			<b>DOT Hazard Classification:</b> Flammable Liquid 3 <b>Identity</b> (trade name as used on label): <b>MISTY LIQUID ICE MELTER</b>		
<b>Date Prepared:</b> 12/07/01 <b>Prepared By:</b> ES/TR		<b>MSDS Number:</b> B00371 <b>Revision -</b> 9			
Information Calls: (770)422-2071 <b>EMERGENCY RESPONSE NUMBER:</b> 1(800)255-3924			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 **
ISOPROPYL ALCOHOL	67-63-0	No	400	400	d
SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS					
<b>Boiling Point:</b> Est. 148°F			<b>Specific Gravity</b> (H2O=1): 0.88-0.91		
<b>Vapor Pressure:</b> PSIG @ 70°F (Aerosols): N/A			<b>Vapor Pressure</b> (Non-Aerosols)(mm Hg and Temperature): 20°C 96		
<b>Vapor Density</b> (Air = 1): 1.1			<b>Evaporation Rate</b> (BUAC = 1): 2.0		
<b>Solubility in Water:</b> Total			<b>Water Reactive:</b> Negligible		
<b>Appearance and Odor:</b> Clear, blue fluid with alcohol odor.					
SECTION 3 - FIRE AND EXPLOSION HAZARD DATA					
<b>FLAMMABILITY</b> as per USA FLAME PROJECTION TEST (aerosols) N/A		<b>Auto Ignition Temperature</b> N/A		<b>Flammability Limits in Air by % in Volume:</b> % LEL: 6      % UEL: 35	
<b>FLASH POINT AND METHOD USED</b> (non-aerosols): 75°F TCC			<b>SPECIAL FIRE FIGHTING PROCEDURES:</b> Keep containers cool with water to prevent vaporizing of the isopropyl alcohol.		
<b>EXTINGUISHER MEDIA:</b> Water mist, CO2, dry foam, sand.					
<b>Unusual Fire &amp; Explosion Hazards:</b> None.					
SECTION 4 - REACTIVITY HAZARD DATA					
<b>STABILITY</b> [ X ] STABLE [ ] UNSTABLE			<b>HAZARDOUS POLYMERIZATION</b> [ ] WILL [ X ] WILL NOT OCCUR		
<b>Incompatibility</b> (Mat. to avoid): None			<b>Conditions to Avoid:</b> Sparks, heat, open flames.		
<b>Hazardous Decomposition Products:</b> Oxides of carbon.					
SECTION 5 - HEALTH HAZARD DATA					
<b>PRIMARY ROUTES OF ENTRY:</b> [ X ] INHALATION [ ] INGESTION [ X ] SKIN ABSORPTION [ X ] EYE [ ] NOT HAZARDOUS					
ACUTE EFFECTS					
<b>Inhalation:</b> Extremely high levels of isopropanol vapor can produce nausea, headache and loss of consciousness.					
<b>Eye Contact:</b> Eye irritation.			<b>Skin Contact:</b> Repeated exposure causes drying, cracking, irritation.		
<b>Ingestion:</b> Nausea and vomiting leading to severe illness and blindness.					
CHRONIC EFFECTS: None known.					
<b>Medical Conditions Generally Aggravated by Exposure:</b> Symptoms of poisoning are not immediately evident.					
EMERGENCY FIRST AID PROCEDURES					
<b>Eye Contact:</b> Flush with water for 15 minutes. If irritation persists, get medical attention.					
<b>Skin Contact:</b> Wash contaminated area with soap and water.					
<b>Inhalation:</b> Remove to fresh air. If breathing is impaired, get medical attention.					
<b>Ingestion:</b> DO NOT INDUCE VOMITING. Drink 3 to 4 glasses of water. Get immediate medical attention.					
SECTION 6 - CONTROL AND PROTECTIVE MEASURES					
<b>Respiratory Protection (specify type):</b> Use NIOSH approved organic vapor cartridge or self-contained breathing apparatus.					
<b>Protective Gloves:</b> Neoprene or rubber.			<b>Eye Protection:</b> Safety goggles.		
<b>Ventilation Requirements:</b> Local exhaust is preferable. Mechanical exhaust is acceptable.					
<b>Other Protective Clothing &amp; Equipment:</b> Splash apron, protective boots, eyebath & safety shower.					
<b>Hygienic Work Practices:</b> Do not eat, drink or smoke in work area. Wash hands after handling. Cannot be made non-poisonous.					
SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE					
<b>Steps To Be Taken If Material Is Spilled Or Released:</b> Dike & absorb on inert material. Eliminate sources of ignition. Avoid run-off into sewers which lead to natural waterways.					
<b>Waste Disposal Methods:</b> Dispose of in accordance with all local, state and federal regulations.					
<b>Precautions To Be Taken In Handling &amp; Storage:</b> Store in original shipping containers. Keep closed when not in use. Shelf life 1 year. Protect from extreme cold.					
<b>Other Precautions &amp;/or Special Hazards:</b> KEEP OUT OF REACH OF CHILDREN. Read & follow label directions. Product cannot be made non-poisonous.					

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