

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					
NFPA Rating: Health-3; Flammability-0; Reactivity-0; Special- COR			HMIS Rating: Health-3; Flammability-0; Reactivity-1; Personal Protection-C,D		
Manufacturer's Name: Amrep, Inc. Address: 990 Industrial Park Dr. Address: Marietta, GA 30062			DOT Hazard Classification: Sulfuric Acid 8 Identity (trade name as used on label): <div style="text-align: center;">MISTY LIQUIDATE</div>		
Date Prepared: 03/21/03		Prepared By: ES/IB		MSDS Number: B00990 Revision - 10	
Information Calls: (770)422-2071			NOTICE: JUDGEMENT BASED ON INDIRECT TEST DATA		
EMERGENCY RESPONSE NUMBER: 1-800-255-3924					
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)
SULFURIC ACID		7664-93-9	Yes	1mg/M3	1mg/M3
SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS					
Boiling Point: 338°C		Specific Gravity (H2O=1): 1.835			
Vapor Pressure: PSIG @ 70°F (Aerosols): N/A		Vapor Pressure (Non-Aerosols)(mm Hg and Temperature): 0.0038 mm/Hg at 20°C			
Vapor Density (Air = 1): 3.38		Evaporation Rate (= 1): N/A			
Solubility in Water: Complete		Water Reactive: Violently			
Appearance and Odor: Colorless, clear to cloudy liquid with no odor to mild acid odor.					
SECTION 3 - FIRE AND EXPLOSION HAZARD DATA					
FLAMMABILITY as per USA FLAME PROJECTION TEST (aerosols) N/A		Auto Ignition Temperature N/A		Flammability Limits in Air by % in Volume: % LEL: N/A % UEL: N/A	
FLASH POINT AND METHOD USED (non-aerosols): None		SPECIAL FIRE FIGHTING PROCEDURES: Use NIOSH / MSHA approved positive pressure self-contained breathing apparatus when any material is involved in a fire. DO NOT allow water to enter containers. Violent reaction results.			
EXTINGUISHER MEDIA: CO2 or dry chemical. Use water fog to knock down vapors.					
Unusual Fire & Explosion Hazards: Solutions in contact with metals form flammable hydrogen gas.					
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): Solvents, oxidizers, reducing agents, combustible materials, organic materials, alkalis, powdered metals, amines, carbides, fulminates, chlorates, nitrates, picrates.		Conditions to Avoid: Heating. Water on sulfuric acid will cause splattering, fuming and evolution of heat.			
Hazardous Decomposition Products: Oxides of sulfur. Flammable hydrogen gas may be evolved in contact with metal.					
SECTION 5 - HEALTH HAZARD DATA					
PRIMARY ROUTES OF ENTRY: <input checked="" type="checkbox"/> INHALATION <input type="checkbox"/> INGESTION <input checked="" type="checkbox"/> SKIN ABSORPTION <input type="checkbox"/> EYE <input type="checkbox"/> NOT HAZARDOUS					
ACUTE EFFECTS: Burns, rapid destruction of all tissue contacted.					
Inhalation: May cause respiratory irritation. Liquid is corrosive.					
Eye Contact: Corrosive.			Skin Contact: Corrosive.		
Ingestion: Corrosive.					
CHRONIC EFFECTS: Dermatitis or secondary effects of burns, chronic over-exposure may cause tooth erosion, chronic cough.					
Medical Conditions Generally Aggravated by Exposure: N/A					
EMERGENCY FIRST AID PROCEDURES					
Eye Contact: Immediately Flush with water for 15 minutes. Seek medical attention.					
Skin Contact: Immediately Flush with water for 15 minutes. Seek medical attention.					
Inhalation: Remove victim to fresh air. Get medical attention.					
Ingestion: DO NOT INDUCE VOMITING. Drink large volumes of water. Get immediate medical attention.					
SECTION 6 - CONTROL AND PROTECTIVE MEASURES					
Respiratory Protection (specify type): Not needed in normal use and handling of product.					
Protective Gloves: Rubber			Eye Protection: Chemical goggles and faceshield.		
Ventilation Requirements: Normal room ventilation is usually adequate. As required to keep air concentration below PEL.					
Other Protective Clothing & Equipment: Coveralls, rubber apron and boots. Eyewash station and safety shower.					
Hygienic Work Practices: Avoid contact with liquid & breathing of mists or vapors. Upon contact with eyes or skin, wash off with water immediately.					
SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE					
Steps To Be Taken If Material Is Spilled Or Released: Dike spill & soak up with inert absorbent. Shovel or sweep & place in properly labeled approved DOT container & seal for disposal in authorized legal manner. Neutralize area with soda ash & dispose of material properly.					
Waste Disposal Methods: Dispose of material according to local, state or federal regulations.					
Precautions To Be Taken In Handling & Storage: Store in original shipping containers. Keep closed when not in use. Follow label directions when using.					
Other Precautions &/or Special Hazards: KEEP OUT OF REACH OF CHILDREN.					

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