

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-2; Reactivity-1; Special- COR, W	HMIS Rating: Health-3; Flammability-2; Reactivity-1; Personal Protection-C,D
Manufacturer's Name: AMREP, INC. Address: 990 Industrial Park Drive Marietta, GA 30062	DOT Hazard Classification: Corrosive Liquid, Flammable N.O.S., 8 UN2920, PG II (sulfuric acid, chlorotoluene), Corrosive/Flammable label Identity (trade name as used on label): <h3 style="text-align: center;">MISTY LIQUIDATE PLUS</h3>
Date Prepared: 03/23/04 Prepared By: IB	MSDS Number: B00992 Revision - 3
Information Calls: (770)422-2071 EMERGENCY RESPONSE NUMBER: 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 **
SULFURIC ACID	7664-93-9	Yes	1mg/M3	1mg/M3	d
PETROLEUM DISTILLATE	68551-19-9	No	N/E	N/E	d
MONOCHLOROTOLUENE (less than 1%)	25168-05-2	deminimus	50	50	d

SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: 320°F	Specific Gravity (H2O=1): 1.73
Vapor Pressure: PSIG @ 70°F (Aerosols): N/A	Vapor Pressure (Non-Aerosols)(mm Hg and Temperature): ND
Vapor Density (Air = 1): Greater than 1	Evaporation Rate (= 1): ND
Solubility in Water: Upper layer is negligible, lower layer is completely	Water Reactive: Violently
Appearance and Odor: Clear upper layer with solvent odor, dark bottom layer with no odor to mild acrid 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): 123°F (TCC) upper layer		
EXTINGUISHER MEDIA: CO2 or dry chemical. Use water fog to knock down vapors.	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.	
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): Oxidizers, reducing agents, other 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 checked="" 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