

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- - Manufacturer's Name: AMREP, INC. Address: 990 Industrial Park Drive Marietta, GA 30062	HMIS Rating: Health-3; Flammability-0; Reactivity-0; Personal Protection-E DOT Hazard Classification: Corrosive Material 8 Identity (trade name as used on label): <p style="text-align: center;">MISTY SECURE</p>
Date Prepared: 09/07/94 Prepared By: ES	MSDS Number: R 930 Revision: - 8
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 **
HYDROCHLORIC ACID	7647-01-0	Yes	5	5	d

SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS	
Boiling Point: 212°F	Specific Gravity (H ₂ O=1): 1.05
Vapor Pressure: PSIG @ 70°F (Aerosols): N/A	Vapor Pressure (Non-Aerosols)(mm Hg and Temperature): N/A
Vapor Density (Air = 1): >1	Evaporation Rate (water= 1): 1
Solubility in Water: Total	Water Reactive: None
Appearance and Odor: Blue fluid with sassafras fragrance.	

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: Wear NIOSH approved breathing apparatus & full protective gear when fighting fires. Spray containers with water to keep cool & prevent ruptures.	
EXTINGUISHER MEDIA: Non-Combustible.	Unusual Fire & Explosion Hazards: Solutions react with metals to form hydrogen.	

SECTION 4 - REACTIVITY HAZARD DATA	
STABILITY [X] STABLE [] UNSTABLE	HAZARDOUS POLYMERIZATION [] WILL [X] WILL NOT OCCUR
Incompatibility (Mat. to avoid): Strong alkalis, strong oxidizers.	Conditions to Avoid: Contact with strong bases can cause violent reaction generating large amounts of heat.
Hazardous Decomposition Products: Hydrogen gas.	

SECTION 5 - HEALTH HAZARD DATA	
PRIMARY ROUTES OF ENTRY: [X] INHALATION [] INGESTION [X] SKIN ABSORPTION [X] EYE [] NOT HAZARDOUS	
ACUTE EFFECTS	
Inhalation: Irritant causing burning, choking, coughing, headache.	
Eye Contact: Irritation, severe burns & permanent damage including blindness.	Skin Contact: Burning, irritation, dermatitis.
Ingestion: Unlikely route-causes severe burns to internal organs.	
CHRONIC EFFECTS: None known.	
Medical Conditions Generally Aggravated by Exposure: Skin, eye, mucous membrane irritation.	

EMERGENCY FIRST AID PROCEDURES	
Eye Contact: Wash eyes for 15 minutes, neutralizing with 3% boric acid solution if available. Get immediate medical attention.	
Skin Contact: Remove contaminated clothing, wash skin with water for 15 minutes.	
Inhalation: Move to fresh air. Get medical attention.	
Ingestion: DO NOT INDUCE VOMITING. Drink 3 to 4 glasses of water with a teaspoon of magnesia. Get immediate medical attention.	

SECTION 6 - CONTROL AND PROTECTIVE MEASURES	
Respiratory Protection (specify type): Approved self-contained breathing apparatus when use concentrations exceed 100 ppm HCl vapors.	
Protective Gloves: Neoprene.	Eye Protection: Chemical goggles or face shield.
Ventilation Requirements: As necessary to maintain air concentration below 5 ppm at all times.	
Other Protective Clothing & Equipment: Neoprene or PVC rain suit & boots in case of fire. Safety showers & eyewash stations should be available.	
Hygienic Work Practices: Wash hands after use. Do not eat, drink or smoke in immediate area.	

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE	
Steps To Be Taken If Material Is Spilled Or Released: Contain fluid by diking. Neutralize with soda ash or baking soda.	
Waste Disposal Methods: Neutralize material may be washed down the sewer. Absorbed material to be boxed and disposed of in compliance with local, state and federal regulations.	
Precautions To Be Taken In Handling & Storage: Store in closed labeled containers. Keep in cool, metal free area for not more than one year.	
Other Precautions &/or Special Hazards: KEEP OUT OF REACH OF CHILDREN. Do not store near strong alkalis or other reactive materials.	

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