

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- -		HMIS Rating: Health-3; Flammability-0; Reactivity-0; Personal Protection-E			
Manufacturer's Name: AMREP, INC. Address: 990 Industrial Park Drive Marietta, GA 30062		DOT Hazard Classification: Corrosive Material 8 Identity (trade name as used on label): MISTY SECURE			
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 (H₂O=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 <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): 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: <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					
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 magnesium. 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