

AEP R93012(CT)

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 Date Prepared: 09/07/94 Prepared By: ES Information Calls: (770)422-2071 EMERGENCY RESPONSE NUMBER: 1(800)255-3924	HMSIS Rating: Health-3; Flammability-0; Reactivity-0; Personal Protection-E DOT Hazard Classification: Corrosive Material 8 Identity (trade name as used on label): <div style="text-align: center;">MISTY SECURE</div> MSDS Number: R 930 Revision: - 8 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		
EXTINGUISHER MEDIA: Non-Combustible.		
Unusual Fire & Explosion Hazards: Solutions react with metals to form hydrogen.		
SPECIAL FIRE FIGHTING PROCEDURES: Wear NIOSH approved breathing apparatus & full protective gear when fighting fires. Spray containers with water to keep cool & prevent ruptures.		

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.	Eye Protection: Chemical goggles or face shield.
Protective Gloves: Neoprene.	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.	
<i>We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.</i>	

** Chemical Listed as Carcinogen or Potential Carcinogen. (a) NTP (b) IARC Monograph (c) OSHA (d) Not Listed (e) Animal Data Only