

# 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	
<b>NFPA Rating:</b> Health-3; Flammability-0; Reactivity-0; Special- - <b>Manufacturer's Name:</b> AMREP, INC. <b>Address:</b> 990 Industrial Park Drive Marietta, GA 30062	<b>HMIS Rating:</b> Health-3; Flammability-0; Reactivity-0; Personal Protection-E <b>DOT Hazard Classification:</b> Corrosive Material 8 <b>Identity (trade name as used on label):</b> <p style="text-align: center;"><b>MISTY SECURE</b></p>
<b>Date Prepared:</b> 09/07/94 <b>Prepared By:</b> ES <b>Information Calls:</b> (770)422-2071 <b>EMERGENCY RESPONSE NUMBER:</b> 1(800)255-3924	<b>MSDS Number:</b> R 930 <b>Revision:</b> - 8 <p style="text-align: center;">NOTICE: JUDGEMENT BASED ON INDIRECT TEST DATA</p>

## 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

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

## SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

<b>FLAMMABILITY</b> as per USA FLAME PROJECTION TEST (aerosols) N/A	<b>Auto Ignition Temperature</b> N/A	<b>Flammability Limits in Air by % in Volume:</b> % LEL: N/A      % UEL: N/A
<b>FLASH POINT AND METHOD USED (non-aerosols):</b> None	<b>SPECIAL FIRE FIGHTING PROCEDURES:</b> Wear NIOSH approved breathing apparatus & full protective gear when fighting fires. Spray containers with water to keep cool & prevent ruptures.	
<b>EXTINGUISHER MEDIA:</b> Non-Combustible.	<b>Unusual Fire &amp; Explosion Hazards:</b> Solutions react with metals to form hydrogen.	

## SECTION 4 - REACTIVITY HAZARD DATA

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

## SECTION 5 - HEALTH HAZARD DATA

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

## EMERGENCY FIRST AID PROCEDURES

<b>Eye Contact:</b> Wash eyes for 15 minutes, neutralizing with 3% boric acid solution if available. Get immediate medical attention.
<b>Skin Contact:</b> Remove contaminated clothing, wash skin with water for 15 minutes.
<b>Inhalation:</b> Move to fresh air. Get medical attention.
<b>Ingestion:</b> 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

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

## SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

<b>Steps To Be Taken If Material Is Spilled Or Released:</b> Contain fluid by diking. Neutralize with soda ash or baking soda.
<b>Waste Disposal Methods:</b> Neutralize material may be washed down the sewer. Absorbed material to be boxed and disposed of in compliance with local, state and federal regulations.
<b>Precautions To Be Taken In Handling &amp; Storage:</b> Store in closed labeled containers. Keep in cool, metal free area for not more than one year.
<b>Other Precautions &amp;/or Special Hazards:</b> 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

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