

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-1; Personal Protection-E				
Manufacturer's Name: AMREP, INC. Address: 990 Industrial Park Drive Marietta, GA 30062		DOT Hazard Classification: Corrosive Liquid, Acidic, Inorganic, N.O.S., 8 (When inner container is 1 gallon or smaller: Consumer Commodity, ORM-D) Identity (trade name as used on label): MISTY OX-OFF				
Date Prepared: 02/25/04 Prepared By: ES/TR/IB		MSDS Number: B00340 (formerly B00313) Revision - 1				
Information Calls: (770)422-2071		NOTICE: JUDGMENT BASED ON INDIRECT TEST DATA				
EMERGENCY RESPONSE NUMBER: 1(800)255-3924						
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): N/A		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.			
SPECIAL FIRE FIGHTING PROCEDURES: None						
Unusual Fire & Explosion Hazards: Avoid exposure to metals, oxidants which might produce flammable hydrogen gas.						
SECTION 4 - REACTIVITY HAZARD DATA						
STABILITY [X] STABLE [] UNSTABLE			HAZARDOUS POLYMERIZATION [] WILL [X] WILL NOT OCCUR			
Incompatibility (Mat. to avoid): Bases, metals, mercuric sulfate, carbides of calcium, cesium, rubidium.			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: Skin, eye, mucous membrane irritation.						
Medical Conditions Generally Aggravated by Exposure: None.						
EMERGENCY FIRST AID PROCEDURES						
Eye Contact: Wash eyes for 15 minutes. Get 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. 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