MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA'S Hazard Communication Standard 29 CFR 1910.1200 and OSHA Form 174

IDENTITY AND MANUFA							
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.		DOT Hazard Classification: Corrosive Material 8					
Address: 990 Industrial Park Drive Marietta, GA 30062	lde	Identity (trade name as used on label): MISTY OX-OFF					
Date Prepared: 01/15/02 Prepared By: ES/TR	MS	MSDS Number: B00313 Revision - 7					
Information Calls: (770)422-2071 EMERGENCY RESPONSE NUMBER: 1(800)255-3924		NOTICE: JUDGMENT BASED ON INDIRECT TEST DATA				ST DATA	
SECTION 1 - MATERIAL IDEN	TIFIC	ATION AND INFOR	MATION				
COMPONENTS-CHEMICAL NAMES AND COMMON NAMES	11110	CAS Number	SARA	OSHA PEL	ACGIH	Carcinogen	
(Hazardous Components 1% or greater; Carcinogens 0.1% or greater)		C/10 Humbon	III LIST	(ppm)	TLV (ppm)	Ref. Source **	
HYDROCHLORIC ACID		7647-01-0	Yes	5	5	d	
					+		
SECTION 2 DUVEICAL (CI	IE NAIZ	CAL CHADACTED!	CTICC		l		
Boiling Point: 212°F	CHEMICAL CHARACTERISTICS Specific Gravity (H2O=1): 1.05						
Vapor Pressure: PSIG @ 70°F (Aerosols): N/A				Ha and Tomp	oratura): N/A		
Vapor Density (Air = 1): N/A		Vapor Pressure (Non-Aerosols)(mm Hg and Temperature): 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 I	EXPL	OSION HAZARD DA	ATA				
		nition Temperature		nahility Limits	in Air by %	in Volume:	
(aerosols) N/A	ato igi	to Ignition Temperature Flammability Limits in Air by % in Volume: N/A % LEL: N/A % UEL: N/A					
FLASH POINT AND METHOD USED (non-aerosols): None SPECIAL FIRE FIGHTING PROCEDURES: None	EXT	EXTINGUISHER MEDIA: Non-combustible.					
Unusual Fire & Explosion Hazards: Avoid exposure to metals, oxidants which	h miah	nt produce flammable h	vdrogen g	as			
SECTION 4 - REAC	_	•	.y u. o g o g				
STABILITY [X] STABLE [] UNSTABLE HAZARDOUS POLYMERIZATION [] WILL [X] WILL NOT							
TABLETT [X] STABLE [] SHOTABLE		CUR		214 [] ***	-L [X] **	ILL IVO	
Incompatibility (Mat. to avoid): Bases, metals, mercuric sulfate, carbides of calcium, cesiam, rubidium.	Cor	Conditions to Avoid: Contact with strong bases can cause violent reaction generating large amounts of heat.					
Hazardous Decomposition Products: Hydrogen gas.	IEau	Silon generaling large	aniounis	o oi rieat.			
	I TU	UAZADD DATA					
SECTION 5 - HEALTH HAZARD DATA PRIMARY ROUTES OF ENTRY: [X] INHALATION [] INGESTION [X] SKIN ABSORPTION [X] EYE [] NOT HAZARDOUS							
ACUTE EFFECTS	HON		IXI HOIN	[X]LIL	[]NOTTI	AZANDOUS	
Inhalation: Irritant causing burning, choking, coughing, headache.							
Eye Contact: Irritation, severe burns & permanent damage including Skin Contact: Burning, irritation, dermatitis.							
blindness.							
Ingestion: Unlikely route-causes severe burns to internal organs. CHRONIC EFFECTS: Skin, eye, mucous membrane irritation.							
Medical Conditions Generally Aggravated by Exposure: None.	T A II	D DDOCEDUDEC					
EMERGENCY FIRS) I AII	D PROCEDURES					
Eye Contact: Wash eyes for 15 minutes. Get medical attention.	45						
Skin Contact: Remove contaminated clothing, wash skin with water for	15 mi	nutes.					
Inhalation: Move to fresh air. Get medical attention.							
Ingestion: DO NOT INDUCE VOMITING. Drink 3 to 4 glasses of water							
SECTION 6 - CONTROL AI						<u> </u>	
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							
Other Protective Clothing & Equipment: Neoprene or PVC rain suit available.	& boo	ts in case of fire. Saf	fety showe	ers & eyewas	sh stations sh	nould be	
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 th local, state and federal regulations.						ompliance with	
	eled c	containers. Keen in o	ool, metal	free area for	not more tha	an one vear	
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 alkalies or other reactive materials							
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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