



MATERIAL SAFETY DATA SHEET

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

IDENTITY AND DISTRIBUTOR'S INFORMATION					
NFPA Rating: Health-1; Flammability-1; Reactivity-0; Special-0			HMIS Rating: Health-1; Flammability-1; Reactivity-0; Personal Protection-B		
Manufacturer's Name: AMREP, INC. Address: 990 Industrial Park Drive Address: Marietta, Ga. 30062 Phone: 770-422-2071			DOT Hazard Classification: ORM-D Identity (trade name as used on label): I-CHEM BATTERY CLEANER AND PROTECTOR # ICA710		
Emergency Response Number: 1-800-255-3924			MSDS Number: A00710 Revision- 7		
NOTICE: JUDGEMENT BASED ON INDIRECT TEST DATA			Date Prepared: 10/06/93 Prepared By: ES/KD Information Calls: (770)422-2071		
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 **
ISOBUTANE / PROPANE BLEND	75-28-5	No	800	800	d
	74-98-6	No	1000	1000	d
SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS					
Boiling Point: N/A			Specific Gravity (H ₂ O=1): Concentrate Only = 1.040		
Vapor Pressure: PSIG @ 70°F (Aerosols): Max. 60			Vapor Pressure (Non-Aerosols)(mm Hg and Temperature): N/A		
Vapor Density (Air = 1): N/E			Evaporation Rate (= 1): N/E		
Solubility in Water: Complete			Water Reactive: No		
Appearance and Odor: Bright red foamy spray with slight amine odor.					
SECTION 3 - FIRE AND EXPLOSION HAZARD DATA					
FLAMMABILITY as per USA FLAME PROJECTION TEST (aerosols) NON-FLAMMABLE		Auto Ignition Temperature N/E		Flammability Limits in Air by % in Volume: % LEL: N/E % UEL: N/E	
FLASH POINT AND METHOD USED (non-aerosols): N/A			EXTINGUISHER MEDIA: Foam, dry chemical, carbon dioxide.		
SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus.					
Unusual Fire & Explosion Hazards: Do not expose aerosols to temperatures above 130°F or the container may rupture.					
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): Acids & strong oxidizers.			Conditions to Avoid: Open flame, heat, sparks.		
Hazardous Decomposition Products: CO, CO ₂ & oxides of nitrogen.					
SECTION 5 - HEALTH HAZARD DATA					
PRIMARY ROUTES OF ENTRY: <input checked="" type="checkbox"/> INHALATION <input type="checkbox"/> INGESTION <input type="checkbox"/> SKIN ABSORPTION <input type="checkbox"/> EYE <input type="checkbox"/> NOT HAZARDOUS					
ACUTE EFFECTS					
Inhalation: Excessive inhalation of vapors can be harmful and may cause headache, dizziness, asphyxia, anesthetic effects and possible unconsciousness.					
Eye Contact: Possible mild irritation.			Skin Contact: Mild irritant.		
Ingestion: Possible chemical pneumonitis if aspirated into lungs.					
CHRONIC EFFECTS: None known.					
Medical Conditions Generally Aggravated by Exposure: May aggravate existing eye, skin, or upper respiratory conditions.					
EMERGENCY FIRST AID PROCEDURES					
Eye Contact: Flush with water for 15 minutes. If irritated, seek medical attention.					
Skin Contact: Wash with soap and water. If irritated, seek medical attention.					
Inhalation: Remove to fresh air. Resuscitate if necessary. Get medical attention.					
Ingestion: DO NOT INDUCE VOMITING. Drink two large glasses of water. Get immediate medical attention.					
SECTION 6 - CONTROL AND PROTECTIVE MEASURES					
Respiratory Protection (specify type): If vapor concentration exceeds TLV, use respirator approved by U.S. Bureau of Mines for organic vapor.					
Protective Gloves: Rubber, if skin easily irritated.			Eye Protection: Safety glasses recommended.		
Ventilation Requirements: Adequate ventilation to keep vapor concentration below TLV.					
Other Protective Clothing & Equipment: None					
Hygienic Work Practices: Wash with soap and water before handling food. Remove contaminated clothing.					
SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE					
Steps To Be Taken If Material Is Spilled Or Released: Absorb with suitable medium. Incinerate or landfill according to local, state or federal regulations.					
Waste Disposal Methods: Aerosol cans when vented to atmospheric pressure through normal use, pose no disposal hazard.					
Precautions To Be Taken In Handling & Storage: Do not puncture or incinerate containers. Do not store at temperatures above 130°F.					
Other Precautions &/or Special Hazards: KEEP OUT OF REACH OF CHILDREN. Avoid food contamination. Avoid breathing vapors.					

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

THIS MSDS IS CURRENT AS OF January 10, 2000. The DATE PREPARED section is the original date assembled and remains current until a change is necessary. This is tracked internally at AMREP by these date codes and therefore must remain as the originating date.