

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-2; Flammability-0; Reactivity-0; Special--			HMIS Rating: Health-2; Flammability-0; Reactivity-0; Personal Protection-B		
Manufacturer's Name: AMREP, INC. Address: 990 Industrial Park Drive Marietta, GA 30062			DOT Hazard Classification: ORM-D Identity (trade name as used on label): MISTY CONTACT & CIRCUIT BOARD CLEANER V		
Date Prepared: 6/1/05		Prepared By: IB/TR		MSDS Number: A00363 Revision- 2	
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 **
1-BROMOPROPANE	106-94-5	No	*Not est.	Not est.	d
3,3-DICHLORO-1,1,1,2,2-PENTAFLUOROPROPANE	422-56-0	No	NE	NE	d
1,3-DICHLORO-1,1,2,2,3-PENTAFLUOROPROPANE	507-55-1	No	NE	NE	d
CARBON DIOXIDE	124-38-9	No	5000	5000	d
*Manufacturer's suggested Exposure Limit = 25 ppm over 8 hours.					
WARNING: This product contains a chemical or chemicals known to the State of California to cause birth defects or other reproductive harm.					
SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS					
Boiling Point: N/A			Specific Gravity (H2O=1): Concentrate Only = 1.33		
Vapor Pressure: PSIG @ 70°F (Aerosols): 50-60			Vapor Pressure (Non-Aerosols)(mm Hg and Temperature): N/A		
Vapor Density (Air = 1): greater than 1			Evaporation Rate (water = 1): > 1.0		
Solubility in Water: Negligible			Water Reactive: No		
Appearance and Odor: Sprays as a clear, forceful, stream with solvent odor.					
SECTION 3 - FIRE AND EXPLOSION HAZARD DATA					
FLAMMABILITY as per USA FLAME PROJECTION TEST (aerosols): extinguishes flame: NOT categorized as 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): Strong oxidizing agents, strong bases (sodium hydroxide, potassium hydroxide), alkaline earth metals, finely powdered metals such as aluminum, magnesium or zinc.			Conditions to Avoid: Open flame, glowing metal surfaces, welding arcs, heat, sparks.		
Hazardous Decomposition Products: Carbon dioxide, carbon monoxide, hydrofluoric acid, hydrochloric acid, chlorine, bromine and possible carbonyl halides.					
SECTION 5 - HEALTH HAZARD DATA					
PRIMARY ROUTES OF ENTRY: <input checked="" type="checkbox"/> INHALATION <input type="checkbox"/> INGESTION <input checked="" type="checkbox"/> SKIN ABSORPTION <input checked="" type="checkbox"/> EYE <input type="checkbox"/> NOT HAZARDOUS					
ACUTE EFFECTS					
Inhalation: Excessive inhalation of vapors can cause central nervous system depression, dizziness, weakness, confusion, incoordination or unconsciousness. Irregular heart beat with a strange sensation in the chest, "heart thumping", apprehension, lightheadedness, feeling of fainting, dizziness, weakness may progress to loss of consciousness and death. Suffocation if air is displaced by vapors.					
Eye Contact: Irritation with tearing, pain or blurred vision. Skin Contact: Slight irritation with itching, redness or swelling. Prolonged exposure may result in defatting of the skin.					
Ingestion: Aspiration which may cause "chemical pneumonia". Symptoms include coughing, gasping, choking, shortness of breath, bluish discoloration of skin, rapid breathing and increased heart rate.					
CHRONIC EFFECTS: (Effects due to excessive exposure to the raw materials of this mixture) Excessive inhalation may result in central nervous system effects.					
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 NIOSH for organic vapor.					
Protective Gloves: Neoprene or other as recommended compatible by glove manufacturer.			Eye Protection: Safety glasses recommended.		
Ventilation Requirements: Adequate ventilation to keep vapor concentration below TLV.					
Other Protective Clothing & Equipment: None					
Hygienic Work Practices: Wash hands with soap and water before handling food.					
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. DO NOT FLUSH TO SEWER.					
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.					

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



TECHNICAL DATA SHEET

A00363 Contact & Circuit Board Cleaner V

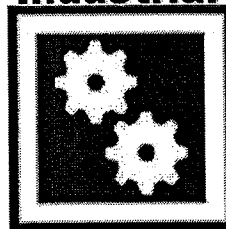
Description: Developed for the Electronics, Healthcare, Communications and Media, Aeronautical and Electronics Servicing industries. Removes oil, dirt, condensation and moisture from circuit boards, precision instruments, oxygen equipment, controls, switches, and electrical motors.

- Fast Drying & Dries Residue Free
- Nonconductive to 12 KV
- Safe for Most Plastics
- Nonflammable

General Directions: See Example Label & MSDS for specific information regarding product usage. Always test in an inconspicuous area before general use.

Market Info:	Can Size & Net Weight	16 oz./ 14 oz.
	USDA's Category Under Former Rating Program	N/A
Physical Properties:	General Appearance	Clear
	Color	Colorless
	Fragrance/Odor	Solvent
	Evaporation Rate (Water=1)	>1
	Solubility In Water	Complete
	pH	N/A
	Specific Gravity (concentrate only)	1.33
	Spray Pattern	Stream
	Shelf Life	Minimum 1 yr.
Environmental Profile:	2-Butoxyethanol (Butyl), E-Series or other Glycol Ethers	None
	% Phosphorus (elemental) (If < 0.5%, then express as PPM)	None
	Ozone Depleting Compounds	None
	Fluorocarbons or Phenol Compounds	None
	Works at room temperature	Yes
	Dibutyl Phthalate; NTA; EDTA; APE; NPE; DEA	None
	Acidic; Caustic; Alkaline; Corrosive; Reactive	No
	Contains heavy metals	No
	Recyclable Packaging	Yes
	% VOC (by weight)	59.5%
Regulatory:	Meets Current Consumer Products VOC Guidelines (CA, OTC & Federal)	Yes
	EPA Registered	No
	USA CPSC Flame Extension	Not flammable
	NFPA Code 30B Storage Level	1
	HAPs (Hazardous Air Pollutants)	None
	CA Safe Drinking Water (PROP. 65) Ingredients	Yes
	Carcinogens, Mutagens, Teratogens (NTP, IARC, OSHA)	No
	SARA TITLE III, Sect. 313 Reportable	No
	DOT Hazard Classification	ORM-D
	<i>Note: Additional unknown trace elements may alter results.</i>	

Industrial



HMIS Rating

Health=2
 Flammability=0
 Reactivity=0
 Personal Protection=B

NFPA Rating

Health=2
 Flammability=0
 Reactivity=0

Manufactured by:



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 05/05