



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.	DOT Hazard Classification: ORM-D
Address: 990 Industrial Park Drive Marietta, GA 30062	Identity (trade name as used on label): I-CHEM ELECTRONICS CLEANER NF # ICA369
Date Prepared: 03/23/09 Prepared By: IB	MSDS Number: A00369 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 **
1,1,1,2-TETRAFLUOROETHANE	811-97-2	No	NE	NE	d
HEXAMETHYLDISILOXANE	107-46-0	No	200 TWA (Dow Corning)	N/E	d
OCTAMETHYLTRISILOXANE	107-51-7	No	200 TWA (Dow Corning)	N/E	d
DICHLOROETHYLENE	156-60-5	No	200	200	d
ETHANOL	64-17-5	No	1000	1000	d

SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: N/A	Specific Gravity (H ₂ O=1): Concentrate Only = 0.95
Vapor Pressure: PSIG @ 70°F (Aerosols): max 75	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: Clear, fine mist spray with light solvent odor. (Extension tube attachment delivers narrow forceful mist.)	

SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY as per USA FLAME PROJECTION TEST (aerosols): extinguishes flame: NOT categorized as FLAMMABLE per CPSC.	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: Compressed liquefied gas has heavy vapors which can suffocate. Although silicone evaporates, material can create slippery conditions while on walking surfaces. Do not expose aerosols to temperatures above 120°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 and possible carbonyl halides.	

SECTION 5 - HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: <input checked="" type="checkbox"/> INHALATION <input type="checkbox"/> INGESTION <input 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 "Frostbite-like" effects may occur if liquid or excessive vapors sprayed directly in contact with eyes. Result in irritation of skin. Overexposure to directly sprayed liquid and vapors may cause frostbite.

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 and other symptoms characteristic of inhalation.

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. Have eyes examined and treated by medical personnel.

Skin Contact: Thaw affected area with water; remove contaminated clothing. Wash with soap and water; if irritation or blistering develop, get medical attention.

Inhalation: Remove to fresh air; resuscitate if necessary. Administer oxygen if breathing is difficult. Do not administer adrenaline or similar sympathomimetic drugs as cardiac arrhythmias may result. Seek immediate medical attention.

Ingestion: DO NOT INDUCE VOMITING. May result in aspiration into lungs. See inhalation procedures. 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: Impervious gloves such as nitrile, neoprene or other as recommended by glove manufacturer. **Eye Protection:** Safety glasses recommended.

Ventilation Requirements: Adequate ventilation to keep vapor concentration below TLV. Local exhaust. Note to also ventilate low-lying areas where dense vapors collect.

Other Protective Clothing & Equipment: Eyewash station.suggested

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 120F.

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