

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-2; Flammability-0; Reactivity-0; Special-			HMIS Rating: Health-2; Flammability-0; Reactivity-0; Personal Protection-B			
Manufactured For: Triple S			DOT Hazard Classification: ORM-D			
Address: 2 Executive Park Dr.			Identity (trade name as used on label):			
Address: Billerica, MA 01862			SSS Contact & Circuit Board Cleaner II			
Phone: 978-667-7900			MSDS Number: 362 Revision: 5			
Emergency Response Number: 1-800-255-3924			Date Prepared: 04/18/96 Prepared By: DL			
NOTICE: JUDGMENT BASED ON INDIRECT TEST DATA			Information Calls: 978-667-7900			
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 DICHLORO-1-FLUOROETHANE		1717-00-6	Yes	N/E	N/E	d
SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS						
Boiling Point: 90°F			Specific Gravity (H2O=1): Concentrate Only = 1.25			
Vapor Pressure: PSIG @ 70°F (Aerosols): 100 psig			Vapor Pressure (Non-Aerosols)(mm Hg and Temperature): N/A			
Vapor Density (Air = 1): 4			Evaporation Rate (= 1): N/A			
Solubility in Water: Nil			Water Reactive: No			
Appearance and Odor: Clear, colorless, liquid gas with ethereal odor.						
SECTION 3 - FIRE AND EXPLOSION HAZARD DATA						
FLAMMABILITY as per USA FLAME PROJECTION TEST (aerosols) NON FLAMMABLE		Auto Ignition Temperature 1022°F		Flammability Limits in Air by % in Volume: % LEL: 7.4 % UEL: 15.5		
FLASH POINT AND METHOD USED (non-aerosols): N/A			EXTINGUISHER MEDIA: Water spray or fog.			
SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus.						
Unusual Fire & Explosion Hazards: May decompose during contact with flames, heating elements. Toxic and corrosive fumes could result.						
SECTION 4 - REACTIVITY HAZARD DATA						
STABILITY [X] STABLE [] UNSTABLE			HAZARDOUS POLYMERIZATION [] WILL [X] WILL NOT OCCUR			
Incompatibility (Mat. to avoid): Strong alkalis, strong oxidizers.			Conditions to Avoid: Thermal decomposition due to exposure to heat or fire.			
Hazardous Decomposition Products: Hydrogen fluoride, hydrogen chloride, CO, CO2 and chlorine.						
SECTION 5 - HEALTH HAZARD DATA						
PRIMARY ROUTES OF ENTRY: [X] INHALATION [] INGESTION [] SKIN ABSORPTION [] EYE [] NOT HAZARDOUS						
ACUTE EFFECTS						
Inhalation: High concentrations may sensitize the heart to adrenaline.						
Eye Contact: Irritant			Skin Contact: Defatting			
Ingestion: If vomiting occurs, can be aspirated into lungs and cause chemical pneumonitis.						
CHRONIC EFFECTS: None Known.						
Medical Conditions Generally Aggravated by Exposure: Breathing disorders.						
EMERGENCY FIRST AID PROCEDURES						
Eye Contact: Flush with water for 15 minutes. Get medical attention.						
Skin Contact: Wash with soap and water.						
Inhalation: Move to fresh air.						
Ingestion: DO NOT INDUCE VOMITING. Drink several glasses of water. Get immediate medical attention.						
SECTION 6 - CONTROL AND PROTECTIVE MEASURES						
Respiratory Protection (specify type): In inadequately ventilated area use air supplied respirator.						
Protective Gloves: Rubber			Eye Protection: Safety glasses.			
Ventilation Requirements: Normal ventilation is usually adequate.						
Other Protective Clothing & Equipment: None						
Hygienic Work Practices: Do not smoke around fumes.						
SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE						
Steps To Be Taken If Material Is Spilled Or Released: Extinguish ignition or combustion sources. Keep up wind of spill. Stop leak.						
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 120°F. Keep away from heat or electrical arc.						
Other Precautions &/or Special Hazards: KEEP OUT OF REACH OF CHILDREN. Avoid food contamination. Avoid breathing vapors. Avoid polystyrene.						

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.