

MAKE CONTACT  
CONTACT AND CIRCUIT BOARD CLEANER 8 0 3

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MATERIAL SAFETY DATA SHEET

ITEM NUMBER: 803- (MSDS)

IDENTITY (As Used On Label and List): HIGH PURITY CONTACT CLNR 16 OZ.

EMERGENCY MEDICAL Telephone# 1-800-636-5063

PRODUCT HAZARD RATINGS: - Health = 1, Fire = 0, Reactivity = 1, Protective Equipment = B (NFPA)  
(Rating Legend: - 4 Extreme, 3 Serious, 2 Moderate, 1 Slight, 0 Minimal)

SECTION I

IPC  
P O BOX 9867  
FT LAUDERDALE FL 33310

TELEPHONE NUMBER FOR INFORMATION 1-800-327-8980  
DATE PRINTED 12/26/00 NAME OF PREPARER: Ron Cepa

SECTION II - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

Chemical Names	SARA Title III SEC 313	ACGIH TLV/TWA	OSHA PEL	% By WL
1,1-Dichloro-1-Fluoroethane (CAS#1717-00-6)	yes	NE	NE	90-100
Carbon Dioxide (CAS#124-38-9)	no	5000 ppm	5000 ppm	1-10
Unidentified ingredients are not considered hazardous under the Federal Hazard Communication Standard. Components Listed As A Suspected Carcinogen: None				

SECTION III - PHYSICAL CHARACTERISTICS

Boiling Point: NA Vapor Pressure (psig): 90@130F Specific Gravity (H2O=1) >1  
Solubility/Water: slight Vapor Density (AIR=1): >1 Evaporation Rate (Ether=1): ND  
Appearance and Odor: coarse wet spray, evaporates quickly

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Aerosol Flammability: This product is considered to be non flammable as described in 16CFR 1500.45 when tested in accordance with DOT requirements.  
Flammable Limits - % Volume in Air (Propellant): LEL: 7.4 UEL: 15.6  
Extinguishing Media: carbon dioxide, water, dry chemical  
Special Fire Fighting Procedures: Containers should be cooled with water to prevent vapor pressure build up. Use equipment or shielding, as required, to protect personnel from bursting, rupturing or venting containers.  
Unusual Fire and Explosion Hazards: At elevated temperatures (over 64C-130F) containers exposed to direct flame or heat contact should be cooled with water to prevent weakening of container structure.

SECTION V - REACTIVITY DATA

Stability: Stable Hazardous Polymerization: will not occur  
Incompatibility: Strong oxidizers, reactive metals such as aluminum and magnesium, strong acids, alkali or alkaline earth metals and hydrochloric acid. Thermal Decomposition Products: HF, HCl, CO, CO2, Cl- and carbonyl halides. Conditions to Avoid: Do not store above 64C-130F. Keep away from heat, direct sunlight, open flames or sparks. Dropping of containers may cause bursting.

SECTION VI - HEALTH HAZARD DATA

Route(s) of Entry - Inhalation: X Eyes: X Skin: X Ingestion: X  
Medical Conditions Generally Aggravated by Exposure: Irritating to eyes and skin. Prolonged or repeated skin contact

may dry the skin. High vapor concentrations may affect the nervous system and produce a rapid anesthetic effect. Vapor may displace air and prolonged exposure to an oxygen-deficient atmosphere may be fatal. Ingestion may be harmful.

Emergency and First Aid Procedures: Eye Contact: Flush eyes with plenty of water for 15 minutes while holding eyelids open. Seek medical attention. Skin Contact: Remove contaminated clothing. Immediately flush the area with plenty of water. Get medical attention if irritation develops. Do not reuse clothing until cleaned. Inhalation: Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get medical attention. Ingestion: Do not induce vomiting. Get immediate medical attention.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Releases or Spilled: Remove all sources of ignition and ventilate area. Soak up spill with an inert absorbent and place into a designated disposal container. Consult local regulatory agency for proper disposition of material.

Waste Disposal Method: Do not puncture or incinerate containers. When contents are depleted continue to depress button until all gas is expelled. Dispose of container in accordance with local state and federal regulations.

Handling And Storing: Avoid breathing vapor. Keep away from heat and flame. Use with adequate ventilation. Do not puncture or incinerate containers. Do not expose to direct sunlight or store at temperatures above 130F (54C). Store as Level 1 Aerosol (NFPA 308).

Other Precautions: Please read and follow the directions on the product label; they are your best guide to using this product in the most effective way and give the necessary safety precautions to protect your health.

SECTION VIII - EMPLOYEE PROTECTION

Respiratory Protection (Type): None required if good ventilation is maintained. If exposure exceeds occupational exposure limits (Sec. 11) use a NIOSH approved respirator to prevent overexposure.

Ventilation: Local exhaust is adequate under normal conditions mechanical ventilation is optional.

Protective Gloves: Chemical resistant gloves and impervious clothing should be worn.

Eye Protection: Chemical safety glasses are recommended.

Other Protective Clothing or Equipment: Wear impervious clothing to prevent skin contact.

Work/Hygienic Practices: Ensure strict sanitary conditions are conformed to when working around chemicals.

Protective clothing and equipment should be in accordance with 29 CFR 1910.132 and CFR 1910.133.

Section IX-Other Regulatory Controls

Governmental Listings: Ingredients of this product are listed on the EPA/TSCA Inventory of Chemical Substances.

Section X-Transportation (D.O.T. Classification)

Shipping Name: Consumer Commodity Hazard Class: 09H-D

NG - Negligible HA - Not Applicable NE - Not Established UN - Unavailable ND - Not Determined

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