

ITEM NUMBER: 803

IDENTITY (As Used On Label and List) Make Contact

EMERGENCY MEDICAL Telephone# 1-866-836-8855 (24 Hrs)

Outside of the U.S.A. Call 1-952-852-4646

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**

Rubachem Systems Inc  
P.O Box 901  
Northvale, NJ 07647

TELEPHONE NUMBER FOR INFORMATION: 1-800-548-3285

DATE PRINTED: 4/11/03

NAME OF PREPARER: Regulatory Compliance

**SECTION II - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION**

Chemical Names	CAS#	SARA Title III SEC 313	ACGIH TLV-TWA/STEL	OSHA PEL-TWA/STEL	% By Wt.
1,1-Dichloro-1-Fluoroethane	(CAS#1717-00-6)	Yes	NE	NE	90-100
Carbon Dioxide	(CAS#124-38-9)	NO	5000ppm	5000ppm	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: 15.5

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 54C-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 54C-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.

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**SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE**

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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 30B).

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.

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**SECTION VIII - EMPLOYEE PROTECTION**

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Respiratory Protection (Type): None required if good ventilation is maintained. If exposure exceeds occupational exposure limits (Sec. II), 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.

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**SECTION IX - OTHER REGULATORY CONTROLS**

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

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**SECTION X - TRANSPORTATION REQUIREMENTS (D.O.T. CLASSIFICATION)**

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Shipping Name: Consumer Commodity      Hazard Class: ORM-D

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

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