

MATERIAL SAFETY DATA SHEET

Super Freeze II
929-210

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Hazardous Description:
Chlorodifluoromethane, UN1018, Non-Flammable Gas
(For Shipping Purposes Only)

Hazard Rating Health: 1 Fire: 0 Reactivity: 1
0-Least 1-Slight 2-Moderate 3-High 4-Extreme

I - HAZARDOUS COMPONENTS			Hazard
Ingredient	CAS No.	%	
chlorodifluoromethane	75-45-6	100	OSHA PEL NIF ACGIH TLV 1000ppm Inhalation: LC50 26,200 ppm/4hr. Oral ALD: >3725 mg/kg in rats

II - PHYSICAL DATA

Boiling Point: -41 C -41F
Density: 1.194
Solubility in Water: 0
Vapor Density (Air=1): 3.0
Evaporation Rate (H2O=1): >1
Appearance: Clear water-white liquid with low odor.

III - FIRE AND EXPLOSION HAZARD DATA

Flash Point: None TCC Method
Explosion Limits
LEL: NA UEL: NA

Extinguishing Media: Water, foam, dry chemical, carbon dioxide.

Special Fire Fighting Procedures:
Fire fighters should wear self contained, positive-pressure breathing apparatus and avoid skin contact.

Unusual Fire and Explosion Hazards:
Aerosol cans may erupt with force at temperatures above 120 degrees F.

IV - HEALTH HAZARD DATA

Effects of Overexposure
INHALATION: Major potential route of exposure. Minimal effects observed below 1000 ppm. Dizziness, drowsiness, and throat irritation possible at levels above 1,000 ppm. Unconsciousness and death at levels above 10,000 ppm. Blood pressure depression, cardiac sensitization, and ventricular arrhythmia can result from exposure to near-anesthetic levels.

EYES: Liquid can cause slight, temporary irritation with slight temporary corneal injury. Vapors can irritate eyes.

SKIN: Prolonged or repeated contact with liquid can cause freezing of skin tissues, defatting, and dermatitis.

INGESTION: Single dose toxicity is low to moderate. If vomiting occurs the liquid can be aspirated into the lungs, which can cause chemical pneumonia and systemic effects. Human psychotropic, gastrointestinal, and central nervous system effects possible.

NL=Not Listed NIF=No Information Found <OVER> NE=Not Established NA=Not Applicable
SOLUTIONS ENGINEERED FOR YOUR PROBLEMS

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Emergency and First Aid Procedures

INHALATION: Remove to fresh air. If breathing has stopped, administer artificial respiration. Seek medical attention.

EYES: Flush eyes for at least fifteen minutes with clear water. If irritation persists, seek medical attention.

SKIN: Wash with soap and water. For frostbite, seek immediate medical attention.

INGESTION: DO NOT INDUCE VOMITING! Give 2 glasses of water and immediately seek medical attention.

NOTE: Adrenalin and other similar cardiac stimulants should NOT be used to treat effects of overexposure to this product. See section I.

None of the ingredients in this product are listed on the OSHA, IARC, NTP list of possible carcinogenic, mutagenic, or teratogenic chemicals.

V - REACTIVITY DATA

Stability: STABLE **Conditions to Avoid:** Contact with open flame, heat
Incompatibility (materials to avoid)

Reactive alkali metals, strong acids & bases.

Hazardous Decomposition Products:

Hydrogen chloride, phosgene, chlorine, carbon dioxide, and carbon monoxide.

Hazardous Polymerization: WILL NOT OCCUR

Conditions to Avoid: None

VI - SPILL OR LEAK PROCEDURES

Evacuate area. Ventilate area well and avoid breathing vapors. Vapor concentration will be highest along floor and in low lying areas. Pick up liquid on suitable absorbent and store in sealed containers.

VII - WASTE DISPOSAL METHODS

Material may be disposed of by a licensed reclaimer or incineration facility. Consult local, state, and federal disposal authorities for approved procedures.

Do not incinerate or destroy aerosol cans.

VIII - EMPLOYEE PROTECTION

Respiratory Protection:

If levels exceed TLVs, increased ventilation or organic vapor mask required

Ventilation: Do not use in closed space. Ventilation required.

Hands: Solvent resistant gloves such as Viton, Polyvinyl alcohol.

Eyes: Wear splash proof safety goggles or glasses.

Special Precautions:

Keep aerosol cans in cool place out of direct sunlight. Keep this and all chemicals out of reach of children. This product for industrial use only.

IX - OTHER INFORMATION
