

Material Safety Data Sheet
 May be used to comply with
 OSHA's Hazard Communication Standard,
 29 CFR 1910.1200. Standard must be
 consulted for specific requirements

000132

U.S. Department of Labor
 Occupational Safety and Health Administration
 (Non-Mandatory Form)
 Form Approved
 OMB No. 1218-0072

IDENTITY (As Used on Label and List)
 FREON 12

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I

Manufacturer's Name DU PONT	Emergency Telephone Number (302) 999-3847
Address (Number, Street, City, State, and ZIP Code) FREON PRODUCTS LAB	Telephone Number for Information (302) 999-4338
CHESTNUT RUN, BLDG 711	Date Prepared 6-14-88
WILMINGTON, DE 19898	Signature of Preparer (optional)

Section II—Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (Optional)
MATERIAL:				
DICHLORO DIFLUOROMETHANE				
APPROXIMATE %: 100				

Section III—Physical/Chemical Characteristics

Bolling Point OF	-21.6	Specific Gravity (H ₂ O = 1)	N/A
Vapor Pressure (mm Hg.) 80.2514 @ 77°F		Melting Point	N/A
Vapor Density (AIR = 1) 4.2		Evaporation Rate (Butyl Acetate = 1)	N/A
Solubility in Water 0.028% BY WT @ 77°F			
Appearance and Odor CLEAR / SLIGHT ETHEREAL ODOR			

Section IV—Fire and Explosion Hazard Data

Flash Point (Method Used) NONE / METHOD: TOC	Flammable Limits IN AIR, % BY VOL	LEL NON-FL	UEL NON-FL
Extinguishing Media NONFLAMMABLE			
Special Fire Fighting Procedures SELF-CONTAINED BREATHING APPARATUS (SCBA) MAY BE REQUIRED IF CYLINDERS RUPTURE & CONTENTS ARE RELEASED UNDER FIRE CONDITIONS.			
Unusual Fire and Explosion Hazards CYLINDERS MAY RUPTURE UNDER FIRE CONDITIONS - DECOMPOSITION MAY OCCUR.			

(Reproduce locally)

Section V—Reactivity Data

Stability	Unstable	Conditions to Avoid
	Stable	✓ OPEN FLAMES & HIGH TEMPERATURES.

Incompatibility (Materials to Avoid)
 ALKALI OR ALKALINE EARTH METALS, - POWDERED Al, Zn, Be ETC.

Hazardous Decomposition or By-products
 HYDROCHLORIC & HYDROFLUORIC ACIDS - POSSIBLE CARBONYL HALIDES

Hazardous Polymerization	May Occur	Conditions to Avoid
	Will Not Occur	✓ N/A

Section VI—Health Hazard Data

Rout(s) of Entry	Inhalation?	Skin?	Ingestion?
			N/A

Health Hazards (Acute and Chronic)
 INHALATION: SUFFOCATION, LIGHT-HEADEDNESS, GIDDINESS, SHORTNESS OF BREATH - NARCOSIS, CARDIAC IRREGULARITIES, UNCONSCIOUSNESS OR DEATH.

SKIN: LIQUID CONTACT CAN CAUSE FROSTBITE

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?

NOT CLASSIFIED AS CARCINOGENIC BY IARC, NTP OR OSHA.

Signs and Symptoms of Exposure
 LIGHT-HEADEDNESS, GIDDINESS, SHORTNESS OF BREATH.

Medical Conditions Generally Aggravated by Exposure
 CARDIOVASCULAR DISEASE.

Emergency and First Aid Procedures
 REMOVE TO FRESH AIR; CALL A PHYSICIAN; ARTIFICIAL RESPIRATION; OXYGEN FLUSH WITH WATER FOR 15 MINUTES; TREAT FOR FROSTBITE.

Section VII—Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled
 AVOID BREATHING VAPORS & LIQUID CONTACT; VENTILATE AREA; REMOVE OPEN FLAMES.

Waste Disposal Method
 EPA HAZARDOUS WASTE # U075...

Precautions to Be Taken in Handling and Storing
 LINED BUTYL GLOVES; CHEMICAL SPLASH GOGGLES

Other Precautions
 SCBA REQUIRED IF LARGE RELEASE OCCURS

Section VIII—Control Measures

Respiratory Protection (Specific Type)			
Ventilation	Local Exhaust	Special	NONE.
	Mechanical (General)	Other	
	WHEN LARGE AMOUNTS RELEASED.		NORMAL IS GENERALLY ADEQUATE
	USE IN LOW PLACES.		
Protective Gloves	Eye Protection		
LINED BUTYL	SPLASH GOGGLES		
Other Protective Clothing or Equipment			
N/A			
Work/Hygiene Practices			
N/A			