

DU000025 FREON 22

MSDS Number

BDFSF

National Stock Number

6830-00-174-9677

Product Name

DU000025 FREON 22

Manufacturer

DU PONT E I DE NEMOURS AND CO INC

Product Identification

Product ID:DU000025 FREON 22

MSDS Date:08/13/1992

FSC:6830

NIIN:00-174-9677

MSDS Number: BDFSF

Responsible Party

DU PONT E I DE NEMOURS & CO INC

1007 MARKET STREET

WILMINGTON , DE 19898

US

Emergency Phone: 800-441-3637(MEDICAL) OR CHEMTREC

Info Phone: 800-441-9442

Preparer: W. J. BROCK

Cage: 18873

Contractor

E.I. DUPONT DE NEMOURS & CO

WILMINGTON, DE 19898

US

800-441-7515;800-441-9442

Cage: 18873

Ingredients

CHLORODIFLUOROMETHANE

CAS: 75-45-6

RTECS: PA6390000

Fraction By Weight: 100%

OSHA PEL1000 PPM

ACGIH TLV: 1000PPM; 9293

Hazards

LD50 LC50 Mixture:4-HOUR LC-50 (RAT): 220,000 PPM

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE: INHALATION OF VAPORS MAY CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION. SKIN OR EYE CONTACT WITH LIQUID MAY CAUSE FROSTBITE.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:INHALATION: DIZZINESS, DISORIENTATION, LOSS OF

COORDINATION, NAUSEA, VOMITING, CONFUSION, AND STUPOR. SKIN: BURNS, BLISTERS (LIQUID). EYES: BURNING SENSATION, TEARING, PAIN (LIQUID). INGESTION: BURNS OF LIPS AND MOUTH, BLISTERS (LIQUID).

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

First Aid

First Aid:SKIN/EYES: TREAT FOR FROSTBITE. WARM AREA WITH TOWEL WET WITH WARM WATER. SEE DOCTOR. INHALATION: REMOVE TO FRESH AIR.

RESUSCITATE IF NEEDED. SEE DOCTOR. INGESTION: NOT CONSIDERED A ROUTE OF EXPOSURE; GET MEDICAL ATTENTION.

Fire Fighting

Flash Point Method:TOC

Flash Point:NONE

Autoignition Temp:Autoignition Temp Text:1170F

Extinguishing Media:USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR.

Unusual Fire/Explosion Hazard:COMPRESSED GAS. MAY EXPLODE IF EXPOSED TO FIRE. TOXIC FUMES MAY BE PRODUCED IF HEATED.

Accidental Release

Spill Release Procedures:ELIMINATE ALL SOURCES OF IGNITION. STOP LEAK IF IT CAN BE DONE WITHOUT RISK. VENTILATE AREA.

Neutralizing Agent:NONE

Handling

Handling and Storage Precautions:STORE IN COOL, DRY, WELL VENTILATED AREA. DO NOT HEAT ABOVE 125F.

Other Precautions:LIQUIFIED GAS UNDER PRESSURE. CLOSE VALVE WHEN NOT IN USE.

Exposure Controls

Respiratory Protection:NONE NORMALLY REQUIRED. IF REGULATORY LIMITS EXCEEDED, USE NIOSH/MSHA APPROVED RESPIRATOR WITH CARTRIDGE FOR ORGANIC VAPORS. IF IDLH CONDITIONS ARE PRESENT WEAR SELF-CONTAINED BREATHING APPARATUS. USE IN ACCORDANCE WITH 29 CFR 1910.134.

Ventilation:USE ADEQUATE MECHANICAL VENTILATION.

Protective Gloves:WORK GLOVES TO PREVENT FROSTBITE

Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES

Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices:WASH HANDS BEFORE EATING, DRINKING, OR SMOKING.

Supplemental Safety and Health

NSN IS FOR COMBINATION OF FREON IN CYLINDER. NSN FOR FREON ALONE IS

6830-00-290-4374. NSN FOR CYLINDER ALONE: 8120-01-354-9402.

Chemical Properties

HCC:G3

Boiling Pt:B.P. Text:41.4F,5.2C

Vapor Pres:151 PSIG

Vapor Density:3.0(AIR=1)

Evaporation Rate & Reference:>1 (CCL4=1)

Solubility in Water:NEGLIGIBLE

Appearance and Odor:CLEAR, COLORLESS LIQUIFIED GAS; ETHERAL ODOR

Percent Volatiles by Volume:100

Stability

Stability Indicator/Materials to Avoid:YES

ALKALI OR ALKALINE EARTH METALS, EG. ALUMINUM, ZINC, BERYLIUM, ETC.

Stability Condition to Avoid:HIGH TEMPERATURES.

Hazardous Decomposition Products:TOXIC FUMES OF CHLORINE, FLUORINE, AND CARBONYL HALIDES.

Disposal

Waste Disposal Methods:CONTACT LOCAL ENVIRONMENTAL MANAGER. DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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