View NSN Online: https://aerobasegroup.kr/nsn/7930-01-179-7236

Product ID:FREON 12 MSDS Date:04/01/1988

FSC:7930

NIIN:01-179-7236
MSDS Number: BLJZB
=== Responsible Party ===

Company Name: E.I. DU PONT DE NEMOURS & CO, INC.

City:WILMINGTON

State:DE ZIP:19898 Country:US

Info Phone Num:800-441-9450

Emergency Phone Num:800-441-3637/800-424-9300 CHEMTREC

Preparer'

s Name:DU PONT CO.

CAGE:18773

=== Contractor Identification ===

Company Name: DU PONT

Address:1007 MARKET STREET

Box:City:WILMINGTON

State:DE ZIP:19898 Country:US

Phone:800-441-9442

CAGE:25827

Company Name: E.I. DU PONT DE NEMOURS & CO., INC.

CAGE:18773

======= Composition/Information on Ingredients ========

Ingred Name:DICHLORODIFLUOROMETHANE (SARA III)

CAS:75-71-8

RTECS #:PA8200000 Fraction by Wt: 100%

Other REC Limits: NONE SPECIFIED

OSHA PEL:1000 PPM

ACGIH TLV:1000 PPM; 9192

EPA

Rpt Qty:5000 LBS DOT Rpt Qty:5000 LBS Ozone Depleting Chemical:1

========== Hazards Identification ===============

LD50 LC50 Mixture:LC50: 800,000 PPM-RAT; ORAL ALD: 1000 **

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic: INHALATION MAY CAUSE HEART

IRREGULARITIES, UNCONSCIOUSNESS OR DEATH. INTENTIONAL MISUSE CAN BE FATAL. VAPOR REDUCES OXYGEN AVAIL FOR BREATHING & IS HEAVI

ER THAN

AIR. LIQUID CONTACT CAN CAUSE FROSTBITE . OVEREXPOSURE BY INHALATION, INGESTION, SKIN, EYE CONTACT MAY CAUSE: TEMP NERVOUS SYSTEM DEPRESSION W/ANESTHETIC***

Explanation of Carcinogenicity:**MG/KG-RAT.

Effects of Overexposure:***EFFECTS SUCH AS DIZZINESS, HEADACHE, CONFUSION, INCOORDINATION & LOSS OF CONSCIOUSNESS; TEMPORARY ALTERATION OF THE HEART'S ELECTRICAL ACTIVITY W/IRREGULAR PULSE, PALPITATIONS OR INADEQUATE CIRCULA TION OR THE EFFECTS OF EXCLUSION OF OX

YGEN W/GROSS OVEREXPOS. SIGNIFICANT SKIN PERMEATION AFTER CONTACT APPEARS LIKELY.

First Aid:INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION, PREFERABLY MOUTH-TO-MOUTH. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL PHYSICIAN. SKIN: FLUSH W/WATER. TREAT FOR FROSTB ITE IF NECESSARY. EYE: IMMEDIATELY FLUSH EYES W/PLENTY OF WATER. CALL PHYSICIAN. INGESTION: NOT LIKELY TO BE HAZARDO US BY

INGESTION: HOWEVER, CONSULT PHYSICIAN IF NECESSARY.

=========== Fire Fighting Measures ==============

Flash Point:NR

Extinguishing Media: AS APPROPRIATE FOR COMBUSTIBLES IN AREA.
Fire Fighting Procedures: SELF-CONTAINED BREATHING APPARATUS IS REQUIRED IF CYLINDERS RUPTURE AND CONTENTS ARE RELEASED UNDER FIRE CONDITIONS.

Unusual Fire/Explosion Hazard: USE WATER SPRAY OR FOG TO COOL CONTAINERS. CYLINDERS MAY RUPTURE UNDER FIRE CONDITIONS. DECOMPOSITION M

======== Accidental Release Measures ==========
Spill Release Procedures:VENTILATE AREA-ESPECIALLY LOW PLACES WHERE HEAVY VAPORS MIGHT COLLECT. REMOVE OPEN FLAMES. USE SCBA FOR LARGE SPILLS.
============= Handling and Storage ==============
Handling and Storage Precautions:AVOID BREATHING VAPORS AND LIQUID CONTACT WITH SKIN OR EYES. USE ONLY IN WELL-VENTILATED AREA. Other Precautions:STORE IN A CLEAN, DRY AREA. DO NOT HEAT ABOVE 125 F.
====== Exposure Controls/Personal Protection ========
Respiratory Protection:NORMAL VENTILATION FOR STANDARD MANUFACTURING PROCEDURES IS GENERALLY ADEQUATE. SELF-CONTAINED BREATHING APPARATUS IS REQUIRED IF A LARGE RELEASE OCCURS. Ventilation:LOCAL EXHAUST SHOULD BE USED WHEN LARGE AMOUNTS ARE RELEASED. MECHANICAL VENTILATION SHOULD BE USED IN LOW PLACES. Protective Gloves:LINED BUTYL GLOVES Eye Protection:CHEMICAL SPLASH GOGGLES Supplemental Safety and Health
== ===================================
Boiling Pt:B.P. Text:-22F,-30C Decomp Temp:Decomp Text:>1400F Vapor Pres:94.5 PSIA* Vapor Density:4.26 @ 25C Spec Gravity:1.315 pH:NEUT'L Solubility in Water:.028WT % @ 1ATM &25C Appearance and Odor:CLEAR, LIQUIFIED GAS; SLIGHT ETHEREAL ODOR. Percent Volatiles by Volume:100 Corrosion Rate:*@ 25 C
========= Stability and Reactivity Data =========
Stability Indicator/Materials to Avoid:YES ALKALI OR ALKALINE EA

AY OCCUR.

RTH METALS-POWDERED AL, ZN, BE, ETC.

Stability Condition to Avoid:AVOID OPEN FLAMES AND HIGH TEMPERATURES.
Hazardous Decomposition Products:FREON R 12 CAN BE DECOMPOSED BY HIGH
TEMPS FORMING HYDROCHLORIC & HYDRFLUORIC ACIDS-POSSIBLY CARBONYL
HALIDES.

======= Disposal Considerations ==========

Waste Disposal Methods:COMPLY WITH FEDERAL, STATE AND LOCAL REGULATIONS. RECLAIM BY DISTILLATION OR REMOVE TO A PERMITTED WASTE FACILITY.

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th this information by the compiling agencies):

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