

DUPONT E I DE NEMOURS & CO -- FREON 12 -- 6830-01-357-7646

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Product Identification
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Product ID:FREON 12
MSDS Date:12/01/1992
FSC:6830
NIIN:01-357-7646
MSDS Number: BYHBP
=== Responsible Party ===
Company Name:DUPONT E I DE NEMOURS & CO
Address:1007 MARKET ST
Box:NONE
City:WILMINGTON
State:DE
ZIP:19899
Country:US
Info Phone Num:800-441-7515
Emergency Phone Num:800-441-7515
CAGE:23027

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Contractor Identification ===
Company Name:LORDON COMPANY
Box:UNKNOW
CAGE:1FF67
Company Name:TETRA MFG CORP (CAGE CANCELLED)
Address:CAGE CANCELLED
City:WESTBURY
State:NY
ZIP:11590
Country:US
Phone:NONE
CAGE:23027

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Composition/Information on Ingredients
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Ingred Name:DICHLORODIFLUOROMETHANE (SARA 313) (CERCLA)
CAS:75-71-8
RTECS #:PA8200000
OSHA PEL:1000 PPM
ACGIH TLV:1000 PPM; 9495
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS
Ozone Depleting Chemical:1

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Hazards Identification
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LD50 LC50 Mixture:LC50, 30 MIN. (RAT) = 800,000 PPM

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

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

Health Hazards Acute and Chronic:INHALATION OF HIGH CONCENTRATIONS OF VAPOR IS HARMFUL & MAY CAUSE HEART IRREGULARITIES, UNCONSCIOUSNESS OR DEATH. INTENTIONAL MISUSE OR DELIBERATE INHALATION MAY CAUSE DEATH W/O WARNING. VAPOR REDUCES OXYGEN AVAILABLE FOR BREATHING &

IS HEAVIER THAN AIR. LIQUID CONTACT CAN CAUSE FROSTBITE. MAY CAUSE EYE IRRITATION.

Explanation of Carcinogenicity:NONE OF THE INGREDIENTS PRESENT AT 0.1% OR GREATER ARE LISTED BY IARC, NTP, OSHA OR ACGIH AS CARCINOGENS.

Effects of Overexposure:EYE IRRITATION W/TEARING & BLURRING OF VISION. FROSTBITE OF SKIN FROM LIQUID CONTACT. TEMPORARY CNS DEPRESSION W/ANESTHETIC EFFECTS SUCH AS DIZZINESS, HEADACHE, CONFUSION, INCOORDINATION & LOSS OF CON SCIOUSNESS. ALSO HEART IRREGULARITIES.

Medical Cond Aggravated by Exposure:INDIVIDUALS WITH PRE-EXISTING DISEASES OF THE CENTRAL NERVOUS OR CARDIOVASCULAR SYSTEM MAY HAVE INCREASED SUSCEPTIBILITY TO THE TOXICITY OF EXCESSIVE EXPOSURES.

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First Aid Measures
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First Aid:IF IRRITATION PERSISTS OR IS SEVERE, GET MEDICAL ATTENTION. EYE:FLUSH W/WATER FOR 15 MIN. SKIN:FLUSH AFFECTED AREA W/WATER. TREAT FOR FROSTBITE BY GENTLY WARMING AFFECTED AREA. INHALED:REMOVE FROM EXP OSURE. KEEP VICTIM CALM. AID OR RESTORE BREATHING AS NEEDED. INGESTED:NOT CONSIDERED A POTENTIAL ROUTE OF EXPOSURE.

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Fire Fighting Measures
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Flash Point:WILL NOT BURN

Extinguishing Media:AS APPROPRIATE FOR COMBUSTIBLES IN AREA.

Fire Fighting Procedures:USE WATER SPRAY OR FOG TO COOL CINTAINERS. SELF-CONTAINED BREATHING APPARATUS IS REQUIRED IF CYLINDERS RUPTURE & CONTENTS ARE RELEASED UNDER FIRE CONDITIONS.

Unusual Fire/Explosion

Hazard:CYLINDERS MAY BE RUPTURED UNDER FIRE
CONDITIONS. DECOMPOSITION MAY OCCUR.

===== Accidental Release Measures =====

Spill Release Procedures:USE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT.
VENTILATE AREA, ESPECIALLY LOW/ENCLOSED AREAS WHERE HEAVY VAPORS
MAY COLLECT. REMOVE OPEN FLAMES. USE SELF-CONTAINED BREATHING
APPARATUS FOR LARGE SPILLS .

Neutralizing Agent:MFR GAVE NO INFORMATION ON MSDS.

===== Handling and Storage =====

Handling and Storage Precautions:STORE IN CLEAN, DRY PLACE. DO NOT HEAT
ABOVE 52C/125F.

Other Precautions:USE W/SUFFICIENT VENTILATION TO KEEP EMPLOYEE
EXPOSURE BELOW RECOMMENDED LIMITS.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:NO RESPIRATORY PROTECTION IS REQUIRED FOR NORMAL
USE. SELF-CONTAINED BREATHING APPARATUS IS REQUIRED IF A LARGE
RELEASE OCCURS.

Ventilation:NORMAL VENTILATION IS GENERALLY ADEQUATE. USE
LOCAL EXHAUST

WHEN LARGE AMOUNTS TO BE RELEASED.

Protective Gloves:IMPERVIOUS GLOVES

Eye Protection:SPLASH GOGGLES

Other Protective Equipment:MFR GAVE NO INFORMATION ON MSDS.

Work Hygienic Practices:MFR:? HMIS:USE GOOD INDUSTRIAL HYGIENE
PRACTICES. MINIMIZE CONTACT & WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

VENDOR SUPPLIED DUPONT MSDS'S FOR THE TWO COMPONENTS OF THE NSN (SEE
P/N IND A FOR THE OTHER ONE).

===== Physical/Chemical Properties =====

HCC:G3

NRC/State Lic Num:NONE

Boiling Pt:B.P. Text:-22F,-30C

Vapor Pres:94.5 PSIA

Vapor Density:4.26

Spec Gravity:1.315

pH:NEUT

Solubility in Water:0.028%

Appearance and Odor:CLEAR, COLORLESS LIQUEFIED GAS - SLIGHT ETHEREAL
ODOR

Percent Volatiles by Volume:100

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

ALKALI OR ALKALINE EARTH METALS, POWDERED ALUMINUM, ZINC, BERYLLIUM,
ETC.

Stability Condition to Avoid:A

VOID OPEN FLAMES & HIGH TEMPERATURES.

Hazardous Decomposition Products:MAY FORM HYDROGEN FLUORIDE, HYDROGEN CHLORIDE AND TRACES OF CARBONYL HALIDES.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

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

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