

DU PONT E I DE NEMOURS & CO INC -- FREON 502 REFRIGERANT -- 6830-00-144-9952

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Product Identification
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Product ID:FREON 502 REFRIGERANT

MSDS Date:09/26/1991

FSC:6830

NIIN:00-144-9952

MSDS Number: BDCBJ

=== Responsible Party ===

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

Address:1007 MARKET ST

Box:1635

City:WILMINGTON

State:DE

ZIP:19898

Country:US

Info Phone Num:800-441-9450

Emergency P

hone Num:800-441-3637,800-424-9300(CHEMTREC)

CAGE:18873

=== Contractor Identification ===

Company Name:E.I. DUPONT DE NEMOURS & CO

Address:1007 MARKET STREET

Box:City:WILMINGTON

State:DE

ZIP:19898

Country:US

Phone:800-441-7515;800-441-9442

CAGE:18873

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Composition/Information on Ingredients
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Ingred Name:NO INGREDIENT FOR THIS FORMULATION_INGREDIENT

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Hazards Identification
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LD50 LC50 Mixture:LC50 RATS IS ESTIMATED AT 220,0

00 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 MAY CAUSE CNS DEPRESSION,
ANESTHETIC EFFECTS, DIZZINESS, HEADACHE, CONFUSION, INCOORDINATION,
UNCONSCIOUSNESS, ALTERATION OF HEART"S ELECTRICAL ACTIVITY WITH
IRREGULAR PULSE, PALPITATIONS, OR INADEQUATE CIRCULATION. DEATH
FROM GROSS OVEREXPOSURE MAY OCCUR. SKIN/EYE CONTACT WITH LIQUID MAY
CAUSE FROSTBITE.

Explanation

of Carcinogenicity:NONE OF THE COMPONENTS OF THIS PRODUCT ARE LISTED AS CARCINOGENS BY NTP, IARC, OSHA.

Effects of Overexposure:INHALATION: CNS DEPRESSION, ANESTHETIC EFFECTS, DIZZINESS, HEADACHE, CONFUSION, INCOORDINATION, UNCONSCIOUSNESS, CARDIAC IRREGULARITIES, DEATH. EYES/SKIN: FROSTBITE.

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

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===== First Aid Measures =====

First Aid:EYES: FLUSH WITH LARGE AMOUNTS OF WATER. GET MEDICAL ATTENTION. SKIN: FLUSH WITH LARGE AMOUNTS OF WATER. TREAT FOR FROSTBITE BY GENTLY WARMING AFFECTED AREA. INHALATION: MOVE TO FRESH AIR. IF NOT BREATHING, GIVE CPR. IF BREATHING DIFFICULT, GIVE OXYGEN. GET MEDICAL ATTENTION. INGESTION: INGESTION IS NOT CONSIDERED A POTENTIAL ROUTE OF EXPOSURE.

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

Flash Point:NON-FLAMMABLE

Autoignition Temp:Autoignition Temp Text:????

Extinguishing Media:PRODUCT IS NON-FLAMMABLE. USE MEDIA APPROPRIATE FOR SURROUNDING MATERIALS.

Fire Fighting Procedures:IF CYLINDERS RUPTURE OR RELEASE UNDER FIRE CONDITIONS, WEAR SELF-CONTAINED BREATHING APPARATUS (SCBA).

Unusual Fire/Explosion Hazard:CYLINDERS ARE EQUIPPED WITH TEMPERATURE AND PRESSURE RELIEF DEVICES BUT STILL MAY RUPTURE UNDER FIRE CONDITIONS. DECOMPRESSION MAY OCCUR.

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

Spill Release Procedures:VENTILATE AREA, ESPECIALLY LOW PLACES WHERE HEAVY VAPORS MIGHT COLLECT. REMOVE OPEN FLAMES. USE SELF-CONTAINED BREATHING APPARATUS (SCBA) FOR LARGE SPILLS.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE AWAY FROM OPEN FLAMES, HIGH TEMPERATURES.

Other Precautions:

ns:AVOID BREATHING VAPORS AND LIQUID CONTACT WITH SKIN.
USE IN WELL VENTILATED AREA.

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

Respiratory Protection:NOT NORMALLY REQUIRED. SELF-CONTAINED BREATHING APPARATUS IS REQUIRED IF A SPILL OR RELEASE OCCURS.
Ventilation:NORMAL VENTILATION FOR STANDARD MANUFACTURING PROCEDURES IS GENERALLY ADEQUATE. LOCAL EXHAUST FOR LARGE RELEASES.
Protective Gloves:IMPERVIOUS GLOVES IF CONTACT POSSIBLE.
Eye Protection:SPLASH GOGGLES IF CONTACT POSSIBLE.
Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.
Work Hygienic Practices:AVOID BREATHING VAPORS AND LIQUID CONTACT WITH SKIN.
Supplemental Safety and Health

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

HCC:G3
Boiling Pt:B.P. Text:-50F,-45C
Vapor Pres:169 PSIA
Vapor Density:3.92 AIR=1
Spec Gravity:1.22
Evaporation Rate & Reference:>1 CCL4=1
Solubility in Water:0.15%
Appearance and Odor:CLEAR,COLORLESS LIQUID
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:AVOID OPEN FLAMES AND HIGH TEMPERATURES.
Hazardous Decomposition Products:DECOMPOSITION PRODUCTS ARE HAZARDOUS.
DECOMPOSITION PRODUCTS ARE HYDROCHLORIC ACID, HYDROFLUORIC ACIDS,CARBONYL HALIDES.

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

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Waste Disposal Methods:DISPOSE OF WASTE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. RECLAIM BY DISTILLATION IF POSSIBLE.

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