

E.I. DUPONT DE NEMOURS & CO,INC -- FREON T-P 35 -- 6810-00-546-4343

===== Product Identification =====

Product ID:FREON T-P 35

MSDS Date:01/01/1985

FSC:6810

NIIN:00-546-4343

MSDS Number: BFDTM

=== Responsible Party ===

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

Address:1007 MARKET STREET

Box:1635

City:WILMINGTON

State:DE

ZIP:19899

Country:US

Info Phone Num:800-441-7515

Emergency Phone Num:800-44

1-7515

CAGE:19898

=== 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

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

Box:1635

CAGE:19898

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

Ingred Name:1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE (FREON 113) (SARA  
III)

CAS:76-13-1

RTECS #:KJ4000000

Fraction by Wt: 64.7%

OSHA PEL:1000PPM/1

250STEL  
ACGIH TLV:1000PPM/1250STEL9192  
Ozone Depleting Chemical:1

Ingred Name:NITROMETHANE  
CAS:75-52-5  
RTECS #:PA9800000  
Fraction by Wt: 0.3%  
OSHA PEL:100 PPM  
ACGIH TLV:100 PPM; 9192

Ingred Name:ISOPROPYL ALCOHOL (SARA III)  
CAS:67-63-0  
RTECS #:NT8050000  
Fraction by Wt: 35%  
OSHA PEL:400 PPM/500 STEL  
ACGIH TLV:400 PPM/500STEL;9192

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

Effects of Overexposure:LIGHT-HEAD,GIDDY,SHORT OF BRTH,POSSIBL  
NARCOSIS,POSSIBLE CARDIAC AR  
RHYTHMIAS AT HIGH CONCENTRATIONS.

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

First Aid:REMOVE TO FRESH AIR. GIVE CPR/OXYGEN IF NEED. SKIN:WASH WITH  
SOAP & WATER. EYES:FLUSH WITH WATER 15 MIN. KEEP WARM AND QUIET.DO  
NOT GIVE EPINEPHRINE OR SIMILAR DRUGS.

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

Flash Point:120F/49C TOC  
Lower Limits:UNK  
Upper Limits:UNK  
Extinguishing Media:ANY AVAILABLE TYPE RECOMMENDED BY MFR.  
Fire Fighting Procedures:WEAR SELF-CNTND BRTHG APP,IF INVOLVED IN FIRE.  
Unusual Fire/Explosion Hazard:ADDITION OF EXCESS WATER(>9%) WILL  
EXTRACT ALCOHOL AND MAY FORM A FLAMMABLE,SUPERNATANT LIQUID LAYR.

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

Spill Release Procedures:VENTILATE AREA.ELIMINATE IGNITION  
SOURCES,ESPECIALLY LOW AREAS WHERE VAPORS MIGHT COLLECT.STOP  
LEAK.WEAR PROTECTIVE CLOTHES,SCBA.ABSORB SM SPILL WITH SUITABLE  
ABSORBENT.SHOVEL INTO CONTAINER.LG SPILL: DIKE W

ITH SUITABLE  
ABSORBENT FOR LATER DISPOSAL.

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

Handling and Storage Precautions:STORE IN CLEAN,DRY,WELL VENTED  
AREA.KEEP CONTAINERS CLOSED.PROTECT FROM PHYSICAL DAMAGE.DO NOT  
STROE ABOVE 125F.

Other Precautions:FOR FURTHER INFORMATION,SEE FREON PRODUCTS BULLETIN  
S-16,FST-5F,S-30.

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

Ventilation:MECHAN. IN LOW PLACES;LOCAL EXHAUST WHEN LARGE AMTS

RELEASED

Protective Gloves:IMPERVIOUS

Eye Protection:CHEM SPLASH GOGGLES

Other Protective Equipment:USE APPROPATE HYGIENE PRACTICES.

Supplemental Safety and Health

FLASH POINT DECREASES AFTER 40% EVAPORATES.MIST/SPRAY IS FLAMMABLE.

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

HCC:F4

Boiling Pt:B.P. Text:120F/49C

Vapor Pres:284

Vapor Density:2.2

Spec Gravity:1.15

Evaporation Rate & Reference:3.7(CARBON TET=1)

Solubility in Water:MODERATE

Appearance and Odor:COLORLE

SS LIQUID-SLIGHT SOLVENT ODOR.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

ALKALI OR ALKALINE EARTH METALS-POWDERED AL,ZN,BE,ETC.

Stability Condition to Avoid:HIGH TEMPERATURES,IGNITION SOURCES

Hazardous Decomposition Products:HYDROCHLORIC AND HYDROFLUORIC  
ACIDS-POSSIBLE PHOSGENE.

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

Waste Disposal Methods:ELIMINATE IGNITION S

SOURCES.CONTACT QUALIFIED

DISPOSAL CONTRACTOR OR MANUFACTURER FOR DISPOSAL METHODS.SEND TO  
MFR/DISPOSAL CONTRACTOR FOR RECYCLE BY DISTILLATION.PACKAGE &  
DISPOSE IN ACCORDANCE WITH LO CAL,STATE & FEDERAL REGULATIONS.

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