

E. I. DUPONT DE NEMOURS AND COMPANY -- FREON TMS SOLVENT -- 6810-01-120-6694

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

Product ID:FREON TMS SOLVENT

MSDS Date:01/01/1987

FSC:6810

NIIN:01-120-6694

MSDS Number: BHCVY

=== Responsible Party ===

Company Name:E. I. DUPONT DE NEMOURS AND COMPANY

Address:FREON PRODUCTS DIVISION

City:WILMINGTON

State:DE

ZIP:19898

Info Phone Num:302-774-2421

Emergency Phone Num:302-774-2421

CAGE:73925

=== Contractor Identification ===

Company Name:

DU PONT DE NEMOURS AND CO INC PETROCHEMICALS DEPT

Address:1251 BRANDYWINE BLDG

Box:City:WILMINGTON

State:DE

ZIP:19898

Phone:302-773-5676

CAGE:73925

===== 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: >90%

OSHA PEL:1000PPM/1250STEL

ACGIH TLV:1000PPM/1250STEL9192

Ozone Depleting Chemical:1

Ingred Name:METHYL ALCOHOL (METHANOL) (SARA III)

CAS:67

-56-1  
RTECS #:PC1400000  
Fraction by Wt: 5.5%  
OSHA PEL:S,200PPM/250STEL  
ACGIH TLV:S,200PPM/250STEL; 93  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:POSSIBLE CARDIAC ARRHYTHMIAS AT HIGH CONCENTRATIONS.  
Effects of Overexposure:LIGHT-HEADEDNESS, GIDDINESS, SHORTNESS OF BREATH, POSSIBLE CARDIAC ARRHYTHMIAS AT HIGH CONCENTRATIONS.

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

First Aid:INHALE: REMOVE TO FRDSH AIR, CALL A PHYSICIAN. DO NOT GIVE EPINEPHRINE OR SIMILAR DRUGS. SKIN OR EYE CONTACT: FLUSH WITH WATER.

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

Flash Point:NONE  
Extinguishing Media:MATERIAL IS NON-FLAMMABLE  
Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.  
Unusual Fire/Explosion Hazard:ADDITION OF EXCESS WATER (>0.2%) WILL EXTRACT ALCOHOL AND MAY FORM A FLAMMABLE SUPERNATANT LIQUID LAYER

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

Spill Release Procedures:VENTILATE AREA, ESPECIALLY LOW PLACES WHERE HEAVY VAPORS MIGHT COLLECT. REMOVE OPEN FLAMES.

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

Handling and

Storage Precautions:STORE CONTAINERS IN A CLEAN, DRY AREA.  
DO NOT STORE ABOVE 125F.

Other Precautions:FOR FURTHER INFORMATION SEE FREON PRODUCTS BULLETIN  
S-30.

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

Respiratory Protection:USE AIR MASK IN HIGH CONCENTRATIONS.  
Ventilation:LOCAL EXHAUST WHEN LARGE AMOUNTS ARE RELEASED. MECHANICAL  
EXHAUST ESPECIALLY IN LOW PLACES.  
Protective Gloves:WHEN HANDLING LIQUID  
Eye Protection:WHEN HANDLING LIQUID  
Work Hygienic Practices:WASH AFTER HANDLING  
Supplemental Safety and Health

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

HCC:N1  
Boiling Pt:B.P. Text:103F,40C  
Vapor Pres:273  
Vapor Density:2.8  
Spec Gravity:1.52  
Solubility in Water: