DU PONT E I DE NEMOURS AND CO INC -- FREON TF CLEANING AGENTS FREON PRECISION CL -- 6850-00-984-5853

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

Product ID:FREON TF CLEANING AGENTS FREON PRECISION CL

MSDS Date:10/30/1991

FSC:6850

NIIN:00-984-5853

MSDS Number: BLFGH === Responsible Party ===

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

Address: BRANDYWINE BLDG 15305

City:WILMINGTON

State:DE ZIP:19898 Country:US

Info Phone Num:800-441-7515 Emergency Phone Num:302-774-68

22/800-441-3637

Preparer's Name:W.J. BROCK

CAGE:2S827

=== Contractor Identification ===

Company Name: DU PONT E I DE NEMOURS AND CO INC PETROCHEMICALS DEPT

Address:1251 BRANDYWINE BLDG

Box:City:WILMINGTON

State:DE ZIP:19898

Phone:302-773-5676

CAGE:73925

Company Name: DU PONT FLUOROPRODUCTS

Address:1007 MARKET STREET

Box:City:WILMINGTON

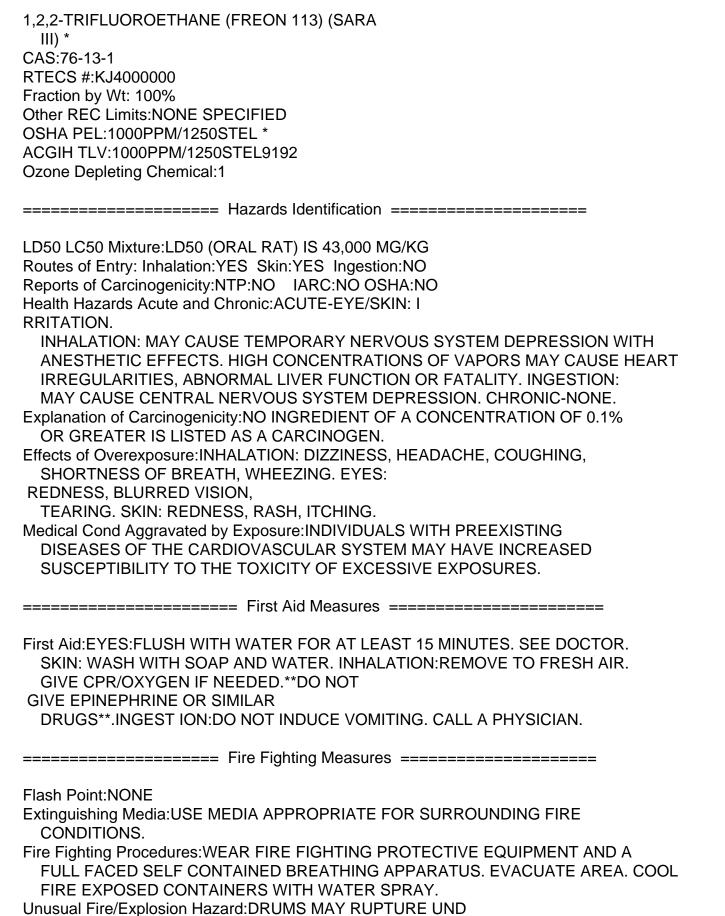
State:DE ZIP:19898 Country:US

Phone:1-800-441-7515

CAGE:2S827

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

Ingred Name:1,1,2-TRICHLORO-



| ER FIRE CONDITIONS OR AT ELEVATED TEMPERATURES. DECOMPOSITION MAY OCCUR.  |
|---|
| ========= Accidental Release Measures ===========   |
| Spill Release Procedures:WEAR APPROPRIATE PROTECTIVE GEAR. ABSORB WITH INERT MATERIALS. PLACE IN A CONTAINER FOR LATER DISPOSAL. Neutralizing Agent:NONE  |
| ============= Handling and Storage ==============   |
| Handling and Storage Precautions:STORAGE-STORE IN A DRY,WELL VENTILATED AREA AWAY FROM HIGH HEAT & FLAMES.DO NOT HEAT ABOV E 125 DEG F.   |
| Other Precautions:KEEP THIS AND ALL CHEMICALS OUT OF REACH OF CHILDREN. THIS PRODUCT FOR INDUSTRIAL USE ONLY. AVOID BREATHING VAPORS/MISTS. AVOID CONTACT WITH EYES AND SKIN.   |
| ====== Exposure Controls/Personal Protection ========   |
| Respiratory Protection:UNDER NORMAL MANUFACTURING CONDITIONS, NO RESPIRATORY PROTECTION IS NEEDED.  Ventilation:LOCAL EXHAUST WHEN LARGE AMOUNTS ARE RELEASED. FOR LOW PLACES, USE MECHANICAL VENTILATION.  Protective Gloves:BUTYL E |
| ye Protection:CHEMICAL SPLASH GOGGLES Other Protective Equipment:APRON AND WORK CLOTHING TO MINIMIZE PROLONGED OR REPEATED CONTACT. EYE WASH STATION & SAFETY SHOWER RECOMMENDED.   |
| Work Hygienic Practices:WASH THOROUGHLY AFTER USE AND BEFORE EATING, SMOKING OR USING TOILET FACILITIES. DO NOT BREATHE VAPORS OR MIST. Supplemental Safety and Health  |
| ========= Physical/Chemical Properties ==========   |
| HCC:N1 Boiling Pt:B.P. Text:118F,48C Decomp Temp:Decomp Text:572F,300C V  |

apor Pres:6.46 PSIA Vapor Density:2.9

Spec Gravity:1.57 G/CC @25C

Evaporation Rate & Properties (CARBON TETRACHLOR=1)

Solubility in Water: 0.02 % @25C

Appearance and Odor: CLEAR, COLORLESS LIQUID, SLIGHT ETHEREAL ODOR

Percent Volatiles by Volume:100.0

======== 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 HEAT, OPEN FLAMES
Hazardous Decomposi

tion Products:MAY DECOMPOSE TO HYDROCHLORIC AND HYDROFLUORIC ACIDS & CARBONYL HALIDES AT ELEVATED TEMPERATURES OR WITH OPEN FLAME.

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

Waste Disposal Methods:MATERIAL MAY BE DISPOSED OF BY A LICENSED RECLAIMER OR INCINERATION FACILITY. COMPLY WITH LOCAL, STATE AND FEDERAL REGULATIONS. EPA HAZARDOUS WASTE NOS. F001 AND F002 MAY APPLY TO WASTE MATERIALS.

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