

C C CHEM, INC -- FREON TF -- 6850-00-319-0834

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Product Identification
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Product ID:FREON TF

MSDS Date:01/01/1985

FSC:6850

NIIN:00-319-0834

MSDS Number: BDWRZ

=== Responsible Party ===

Company Name:C C CHEM, INC

Emergency Phone Num:502-582-1631

CAGE:KO763

=== Contractor Identification ===

Company Name:C & C CHEMICAL INC

Address:901 S 15TH ST

Box:City:LOUISVILLE

State:KY

ZIP:40207-0431

Cou

ntry:US

CAGE:CA064

Company Name:C C CHEM, INC

Address:901 S. 15TH ST

Box:7431

City:LOUISVILLE

State:KY

ZIP:40207-0431

Country:US

CAGE:KO763

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Composition/Information on Ingredients
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Ingred Name:1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE (FREON 113) (SARA III)

CAS:76-13-1

RTECS #:KJ4000000

OSHA PEL:1000PPM/1250STEL

ACGIH TLV:1000PPM/1250STEL9192

Ozone Depleting Chemical:1

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Hazards Identification
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LD50 LC50 Mixture:LD50, (OR

AL) RATS 43,000 MG/KG (HMIS)

Health Hazards Acute and Chronic:EYES: MAY CAUSE CONJUNCTIVITUS. SKIN: PROLONGED OR REPEATED CONTACT CAN CAUSE IRRITATION, DEFATTING OF SKIN AND DERMATITIS. INHALATION: HIGH LEVELS CAN CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION, CARDIAC ARRHYTHMIA. AT LOW CONCENTRATIONS MAY CAUSE HEADACHE. INGESTION: LOW TO MODERATE TOXICITY. (HMIS)

Effects of Overexposure:LT-HEADEDNESS, GIDDINESS, SHORT BREATH, POSS NARCOSIS, POSS CARDIAC ARRHYTHMIAS @HI CONC.

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

First Aid:INH: REMOVE TO FRESH AIR, CALL MD. DO NOT GIVE EPINEPHRINE OR SIMILAR DRUGS. SKIN/EYE CNTCT: FLUSH W/WATER.

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

Fire Fighting Procedures:KEEP CONTAINERS COOL WITH WATER SPRAY. WEAR SELF-CONTAINED BREATHING APPARATUS. (HMIS)

Unusual Fire/Explosion Hazard:MAY DILUTE OR DISPLACE OXYGEN BELOW LEVELS NECESSARY TO SUSTAIN LIFE. (HMIS)

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

Spill Release Procedures:VENT AREA, REMOVE OPEN FLAMES. [HMIS INFORMATION-EVACUATE AREA. ABSORB SPILLED MATERIAL WITH AN INERT MATERIAL. SHOVEL (SPARK PROOF) ABSORBENT MATERIAL INTO DRUMS AND CLOSE. PROVIDE VENTILATION. REMOVE UNPROTECTED PERSONNEL. HMIS]

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

Handling and Storage Precautions:STORE CNTNRS IN CLEAN, DRY AREA. DO NOT HEAT ABOVE 125F. [HMIS INFORMATION-AVOID BREATHING VAPORS. VAPORS ARE HEAVY AND MAY ACCUMULATE. HMIS]

Other Precautions:[HMIS INFORMATION-PROTECT CONTAINERS FROM DAMAGE DURING STORAGE. PREVENT LEAKAGE OR SPILLAGE WHICH MAY RESULT IN OXYGEN DEPLETING BELOW LEVELS NECESSARY TO SUSTAIN LIFE. WHEN USED INDOORS OR IN CONFINED SPACE USE A HALOCARBON DETECTOR.HMIS]

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

Respiratory Protection:USE AIR MASK IN HI CONC. [HMIS INFORMATION-AIR CON

CENTRATION OF 4500 PPM (0.45%) IS NEARLY ODORLESS AND CAUSES
IMPAIRMENT OF MANUAL DEXTERITY AND VIGILANCE. HMIS]

Ventilation:LOCAL EXHST WHEN LG AMTS RELEASED, MECH IN LOW PLACES.

Protective Gloves:RUBBER

Eye Protection:SAFETY GOGGLES

Other Protective Equipment:WHEN USED INDOORS (IN CONFINED SPACES), IN
AMOUNTS GREATER THAN ONE CUP, USE HALOCARBON DETECTOR WITH
ALARM-HMIS

Supplemental Safety and Health

TYPE II OF MIL SPEC. [HMIS INFORMATION-FREON 113 MAY DILUTE OR
DISPLACE OXYG

EN BELOW LEVELS NECESSARY TO SUSTAIN LIFE.]HMIS HAS
ADDED ADDITIONAL SAFETY INFORMATION TO THIS MSDS AFTER A SERIOUS
EXPOSURE WAS BROUGHT TO OUR ATTENTION. 1/6/95.

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

HCC:N1

Boiling Pt:B.P. Text:117.6F

Vapor Pres:334

Vapor Density:2.90

Spec Gravity:1.57

Evaporation Rate & Reference:0.3, CCL4

Solubility in Water:0.02% WT

Appearance and Odor:COLORLESS LIQ, SLIGHT

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:OPEN FLAMES OR HI TEMP

Hazardous Decomposition Products:HCL & HF ACIDS, POSS PHOSGENE

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

Waste Disposal Methods:EVAPORATE OUTDOORS

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