

BULK CHEM DIST, INC -- TRICHLOROTRIFLUOROETHANE,MIL-C-81302,TYPEII -- 6850-00-319-0834

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

Product ID:TRICHLOROTRIFLUOROETHANE,MIL-C-81302,TYPEII

MSDS Date:01/01/1987

FSC:6850

NIIN:00-319-0834

MSDS Number: BDWSG

=== Responsible Party ===

Company Name:BULK CHEM DIST, INC

Emergency Phone Num:504-362-3232

CAGE:LO255

=== Contractor Identification ===

Company Name:BULK CHEM DIST, INC

CAGE:LO255

Company Name:BULK CHEMICALS DISTRIBUTORS  
,INC

Address:80 FIRST STREET

City:GRETNA,

State:LA

ZIP:70053

Country:US

Phone:504-362-3232 DISCONNECTED(2-20-92)

CAGE:56921

===== 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: 100%

OSHA PEL:1000PPM/1250STEL

ACGIH TLV:1000PPM/1250STEL9192

Ozone Depleting Chemical:1

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

LD50 LC50 Mixture:HMIS

-LD50, ORAL, RATS 43,000 MG/KG HMIS)

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Effects of Overexposure:EXCITEMENT, INCO

ORD, TREMOR IN RATS. (HMIS  
INFORMATION: EYES-IRRITATION. SKIN-DEFATTING, DERMATITIS.  
INHALATION-DIZZINESS, DROWSINESS, "HEAVINESS", FLUSHING. AT HIGH  
LEVELS; INTOXICATION. INGESTION-MAY CAUSE DISCOMFORT. HMIS)  
Medical Cond Aggravated by Exposure:(HMIS INFORMATION-DISEASES OF THE  
LIVER, RETINA, CENTRAL NERVOUS SYSTEM. HMIS)

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

First Aid:REMOVE PATIENT TO FRESH AIR, GIVE MOUTH-TO- MOUTH  
RESUSCITATION IF NEC. (  
HMIS-INHALATION: REMOVE TO FRESH AIR. DO NOT  
GIVE EPINEPHRINE. EYES AND SKIN: FLUSH WITH WATER FOR 15 MINUTES.  
IF IRRITATION PERSISTS, CALL A PHYSICIAN. INGESTION: IF CONSCIOUS,  
GIVE 2-4 GLASSES OF WATER. CALL A PHYSICIAN IMMEDIATELY. HMIS)

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

Flash Point:NONE  
Extinguishing Media:(HMIS NON-FLAMMABLE)  
Fire Fighting Procedures:(HMIS-KEEP CONTAINERS COOL WITH WATER SPRAY.  
WEAR SELF-CONTAINED BREATHING APPARATUS. HMIS)  
Unusual Fire/Explosion Hazard:(HMIS-FORMS TOXIC DECOMPOSITION PRODUCTS.  
HMIS)

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

Spill Release Procedures:VACATE AREA. ALLOW TO EVAPORATE. (HMIS-ABSORB  
SPILLED MATERIAL WITH AN INERT MATERIAL. REMOVE ALL IGNITION  
SOURCES. SHOVEL (SPARK PROOF) ABSORBENT MATERIAL INTO DRUMS AND  
CLOSE. PROVIDE VENTILATION. REMOVE UNPROTECTED PERSONNEL. HMIS)

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

Handling and Storage Precautions:EXCESS SKIN CONTACT CAN CAUSE DEFATTING  
OF SKIN. (HMIS- AVOID BREATHING VAPORS. AVOID LIGHTED CIGARETTES,  
FLAME WHICH MAY DECOMPOSE THE MATERIAL. HMIS)  
Other Precautions:KEEP OUT OF REACH OF CHILDREN. (HMIS-PROTECT  
CONTAINERS FROM DAMAGE DURING STORAGE. PREVENT LEAKAGE OR SPILLAGE  
WHICH MAY RESULT IN OXYGEN DEPLETING BELOW LEVELS NECESSARY TO  
SUSTAIN LIFE. USE HALOCARBON DETECTOR INDOORS IN CONFINED SPACE.

===== Exposure Controls/Personal

I Protection =====

Respiratory Protection:NOT REQ IN VENT AREA. (HMIS-ABOVE 1,000 PPM, USE  
SELF-CONTAINED BREATHING APPARATUS. HMIS)  
Ventilation:MECH. (HMIS-USE ADEQUATE VENTILATION. LOCAL EXHAUST FOR  
SMALL WORK AREAS. HMIS)  
Protective Gloves:RUBBER  
Eye Protection:SAFETY GLASSES  
Supplemental Safety and Health  
TYPE II OF MIL SPEC. (HMIS-FREON 113 MAY DILUTE OR DISPLACE OXYGEN  
BELOW LEVELS NECESSARY TO SUSTAIN LIFE. HMIS)

===== Physical/Chemical Properties ===  
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HCC:N1  
Boiling Pt:B.P. Text:118F/48C  
Vapor Pres:285  
Vapor Density:6.50  
Spec Gravity:1.565  
Evaporation Rate & Reference:1.69 (CARBON-TET=1  
Solubility in Water:NEGLIGIBLE  
Appearance and Odor:COLORLESS, ETHEREAL ODOR, W/O PROPELLANT  
Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:NO  
(HMIS-STRONG ALKALIES, OXIDIZERS, ALUMINUM, AND OTHER HOT REACTIVE  
METALS. HMIS)  
Stability Condition  
to Avoid:WILL DECOMP AT TEMPS ABOVE 250F TO YIELD  
HAOGENS & HALID  
Hazardous Decomposition Products:(HMIS-HALOGENS, HALOGEN ACID, POSSIBLE  
PHOSGENE, CARBON DIOXIDE AND NITROGEN OXIDES. HMIS)

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

Waste Disposal Methods:PERMIT TO EVAPORATE IN AIR OR RECOVER BY  
REDISTILLATION.

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