

TF SOLVENT (LIQUID)

MSDS Number

BJCYB

National Stock Number

6850-00-319-0834

Product Name

TF SOLVENT (LIQUID)

Manufacturer

CHEMTRONICS INC

Product Identification

Product ID:TF SOLVENT (LIQUID)

MSDS Date:09/18/1990

FSC:6850

NIIN:00-319-0834

MSDS Number: BJCYB

Responsible Party

CHEMTRONICS INC

681 OLD WILLETS PATH

HAUPPAUGE , NY 11788

US

Emergency Phone: 516-582-3322

Info Phone: 516-582-3322

Preparer: MICHAEL S. WATKINS

Cage: 2M589

Contractor

CHEMTRONICS INC (CANCELLED USE 21267)

HAUPPAUGE, NY 11760

US

770-424-4888/800-645-5244

Cage: 2M589

Ingredients

1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE (FREON 113) (SARA

CAS: 76-13-1

RTECS: KJ4000000

Fraction By Weight: 100%

OSHA PEL1000PPM/1250STEL

ACGIH TLV: 1000PPM/1250STEL9192

Hazards

LD50 LC50 Mixture:LD50(ORAL RAT)= 43,000 MG/KG.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE: CAN CAUSE SUFFOCATION BY REDUCING OXYGEN AVAILABLE FOR BREATHING. MAY LEAD TO NARCOSIS, CARDIAC IRREGULARITIES, UNCONSCIOUSNESS OR DEATH. REPEATED LIQUID CONTACT WITH THE SKIN CAN CAUSE DEFATTI NG OF THE SKIN. CHRONIC: UNKNOWN.

Explanation of Carcinogenicity:NONE OF THE CHEMICALS IN THIS PRODUCT IS LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN.
Effects of Overexposure:LIGHT-HEADEDNESS, GIDDINESS, SHORTNESS OF BREATH, IRRITATION OF THE UPPER RESPIRATORY PASSAGES FROM INHALING. DEFATTING LEADING TO IRRITATION OF THE SKIN.
Medical Cond Aggravated by Exposure:CARDIOVASCULAR DISEASE.

First Aid

First Aid:EYES- FLUSH WITH WATER FOR AT LEAST 15 MINS. GET MEDICAL AID.
SKIN- WASH WITH MILD SOAP AND WATER. IF IRRITATION PERSISTS, SEE DR.. INHALE- REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. IF BREATHING HAS STOPPED GIVE ARTIFICIAL RESPIRATION.
INGEST- DO NOT INDUCE VOMITING, GET MEDICAL ATTENTION.

Fire Fighting

Flash Point:NONE
Lower Limits:NON-FLAMM.
Upper Limits:NON-FLAMM.
Extinguishing Media:NONFLAMMABLE. USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL FOR SURROUNDING FIRE.
Fire Fighting Procedures:(1/9/95 HMIS INFORMATION-KEEP CONTAINERS COOL WITH WATER SPRAY. WEAR SELF-CONTAINED BREATHING APPARATUS.)
Unusual Fire/Explosion Hazard:DECOMPOSTION MAY OCCUR.

Accidental Release

Spill Release Procedures:VENTILATE AREA. REMOVE OPEN FLAMES OR RED HOT SURFACES. ALLOW TO EVAPORATE. (1/9/95 HMIS INFORMATION-EVACUATE AREA. ABSORB SPILLED MATERIAL WITH AN INERT MATERIAL. SHOVEL (SPARK PROOF) ABSORBENT MATER IAL INTO DRUMS AND CLOSE. PROVIDE VENTILATION.)
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

Handling

Handling and Storage Precautions:KEEP CONTAINERS CLOSED WHEN NOT IN USE. KEEP AWAY FROM OPEN FLAME, FIRE AND SPARKS. STORE IN COOL, DRY PLACE.
Other Precautions:WASH CONTAMINATED CLOTHING BEFORE RE-USE. (1/9/95 HMIS INFORMATION-AVOID BREATHING VAPORS. VAPORS ARE HEAVY AND MAY ACCUMULATE. PROTECT CONTAINERS FROM DAMAGE DURING STORAGE. PREVENT LEAKAGE. INDOOR U SAGE IN CONFINED SPACE, USE DETECTOR.)

Exposure Controls

Respiratory Protection:UNDER NORMAL CONDITIONS, NO RESPIRATORY PROTECTION IS REQUIRED. (1/9/95 HMIS INFORMATION- ABOVE 1,000 PPM, USE SELF-CONTAINED BREATHING APPARATUS.)
Ventilation:LOCAL EXHAUST SHOULD BE USED WHEN LARGE AMOUNTS ARE RELEASED. MECHANICAL VENTILATION SHOULD BE USED IN LOW PLACES.
Protective Gloves:SOLVENT RESISTANT
Eye Protection:CHEMICAL SAFETY GOGGLES/FACE SHIELD
Other Protective Equipment:SAFETY SHOWER AND EYE BATH. OTHER EQUIPMENT AS REQUIRED TO MINIMIZE EXPOSURE FROM PROLONGED OR REPEATED CONTACT.
Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.
Supplemental Safety and Health
(1/9/95 HMIS INFORMATION-FREON 113 MAY DILUTE OR DISPLACE OXYGEN BELOW LEVELS NECESSARY TO SUSTAIN LIFE.)

Chemical Properties

HCC:N1
Boiling Pt:B.P. Text:118F,48C
Vapor Pres:334
Vapor Density:6.5
Spec Gravity:1.57
pH:7.0
Evaporation Rate & Reference:>1(N-BUTYL ACETATE=1)
Solubility in Water:NEGLIGIBLE

Appearance and Odor: CLEAR, COLORLESS LIQUID WITH SLIGHT ETHEREAL ODOR.
Percent Volatiles by Volume: 100

Stability

Stability Indicator/Materials to Avoid: YES
ALKALI OR ALKALINE EARTH METALS, POWDERED AL, ZN, BE, ETC.
Stability Condition to Avoid: HIGH TEMPERATURES, SPARKS, AND OPEN FLAMES
Hazardous Decomposition Products: THIS COMPOUND CAN BE DECOMPOSED BY
HIGH TEMPERATURES FORMING HYDROCHLORIC AND HYDROFLUORIC ACIDS,
CARBONYL HALIDES.

Disposal

Waste Disposal Methods: COMPLY WITH FEDERAL, STATE AND LOCAL
REGULATIONS. RECLAIM BY DISTILLATION OR REMOVE TO PERMITTED WASTE
DISPOSAL FACILITY.

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