



TF SOLVENT

MSDS Number

BBDJJ

National Stock Number

6810-00D000791

Product Name

TF SOLVENT

Manufacturer

CHEMTRONICS INC

Product Identification

Product ID:TF SOLVENT
MSDS Date:06/01/1987
FSC:6810
NIIN:00D000791
MSDS Number: BBDJJ

Responsible Party

CHEMTRONICS INC

681 OLD WILLETS PATH

HAUPPAUGE , NY 11788

US

Emergency Phone: 516-582-3322

Info Phone: 516-582-3322

Preparer: S.H.STEIN

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: 97%

OSHA PEL1000PPM/1250STEL

ACGIH TLV: 1000PPM/1250STEL9192

CARBON DIOXIDE

CAS: 124-38-9

RTECS: FF6400000

Fraction By Weight: 3 - 5%

OSHA PEL5000 PPM



ACGIH TLV: 5000PPM/30000STEL;93

Hazards

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE-EYES:IRRITATION.
SKIN:IRRITATION. INHALATION:SUFFOCATION. INGESTION:ORAL TOXICITY IS
LOW. CHRONIC-EYES:IRRITATION. SKIN:IRRITATION AND DEFATTING.
INHALATION:CENTRAL NERVOUS SYSTEM DEPRESSION, CARDIAC
IRREGULARITIES, UNCONSCIOUSNESS, OR DEATH. INGESTION:ORAL TOXICITY
IS LOW.
Explanation of Carcinogenicity:TF SOLVENT IS NOT LISTED AS A CARCINOGEN
BY IAEC, NTP, OR OSHA.
Effects of Overexposure:EYES:DISCOMFORT. SKIN:IRRITATION FROM
DEFATTING. INHALATION:LIGHT-HEADEDNESS, GIDDINESS, SHORTNESS OF
BREATH, NARCOSIS, CARDIAC IRREGULARITIES, UNCONSCIOUSNESS.
INGESTION:NONE GIVEN BY MANUFACTURER.
Medical Cond Aggravated by Exposure:CARDIOVASCULAR DISEASE

First Aid

First Aid:INHALE:REMOVE TO FRESH AIR, GIVE CPR/O*2 IF
NEED;EYES/SKIN:FLUSH W LG AMTS H*2O FOR 15 MIN;INGEST:RINSE MOUTH;
GET MEDICAL ATTENTION FOR EYES, BREATHING DIFFICULTY, OR OTHER
SYMPTOMS OF OVEREXPOSURE. DO NOT GIVE EPINEPHRINE OR SIMILAR
DRUGS.

Fire Fighting

Flash Point:NONE
Lower Limits:NONE
Upper Limits:NONE
Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY
CHEMICAL.
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:FIRE OR EXCESSIVE HEAT MAY CAUSE
PRODUCTION OF HAZARDOUS DECOMPOSITION PRODUCTS.

Accidental Release

Spill Release Procedures:VENTILATE AREA-ESPECIALLY LOW PLACES WHERE
HEAVY VAPORS MIGHT COLLECT.REMOVE OPEN FLAMES.USE PROTECTIVE
EQUIPMENT SUCH AS GLOVES,SAFETY GLASSES,ETC.COLLECT LIQUID &
CONTAIN IN CLOSED CONTAINERS;DIKE L G AMT OF LIQ THEN PUMP TO
CLOSED DRUMS.

Handling

Handling and Storage Precautions:STORE CONTAINERS IN CLEAN, DRY AREA;DO
NOT HEAT/STORE ABOVE 125F.
Other Precautions:MFR STATES THAT FOR FURTHER INFORMATION
SEE(DUPONT)FREON PRODUCTS BULLETINS FST-1,S-16,S-24,S-30;PHYSICAL
DATA SUCH AS VAP PRESSURE/DENSITY,SPECIFIC GRAVITY,SOLUBLTY NOTED
AT 77F.

Exposure Controls

Respiratory Protection:USE SELF-CONTND AIR MASK IN HIGH CONCENTRATION
Ventilation:LOCAL EX:WHEN LG AMTS ARE RELEASED ESPECIALLY IN LOW
PLACES.
Protective Gloves:IMPERVIOUS
Eye Protection:SAFETY/CHEM GOGGLES
Other Protective Equipment:NONE NOTED BY MFR.
Supplemental Safety and Health
EXCESSV VAPORIZATION CAN DEplete/REPLACE O*2 NEEDED FOR
BREATHG.HAZARDOUS TO HEALTH IN CONFND/ENCLOSD SPACES,AREAS W LITTL
VENTILATION.EXPOSURE TO HIGH CONC MAY INDUCE CARDIAC ARRHYTHMIAS.

Chemical Properties



HCC:G3
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(ETHER=1)
Solubility in Water:NEGLIGIBLE
Appearance and Odor:COLORLESS LIQUID-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,IGNITION SOURCES
Hazardous Decomposition Products:HYDROCHLORIC & HYDROFLUORIC
ACIDS-POSSIBLE CARBONYL HALIDES.

Disposal

Waste Disposal Methods:KEEP IN COVERED DRUMS,PENDING DISPOSAL. HANDLE &
DISPOSE IN FULL COMPLIANCE WITH ALL APPLICABLE
INTERNATIONAL,FEDERAL,STATE, & LOCAL REGULATIONS;MFR
RECOMMENDS,RECLAIM BY DISTILATION.

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