

CHEMTRONICS INC -- TF SOLVENT -- 6850-00-105-3084

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

Product ID:TF SOLVENT

MSDS Date:01/01/1991

FSC:6850

NIIN:00-105-3084

MSDS Number: BCYTP

=== Responsible Party ===

Company Name:CHEMTRONICS INC

Address:8125 COBB CENTER RD

City:KENNESAW

State:GA

ZIP:30144

Country:US

Info Phone Num:404-424-4888

Emergency Phone Num:404-424-4888

Preparer's Name:M. WATKINS, Q.C. MANAG

ER

CAGE:2M589

=== Contractor Identification ===

Company Name:CHEMTRONICS INC

Address:8125 COBB CENTER DRIVE

Box:City:KENNESAW

State:GA

ZIP:30152

Country:US

Phone:770-424-4888/800-645-5244

CAGE:21267

Company Name:CHEMTRONICS INC (CANCELLED USE 21267)

City:HAUPPAUGE

State:NY

ZIP:11760

Country:US

CAGE:2M589

===== 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:

96%
Other REC Limits:NONE SPECIFIED
OSHA PEL:1000PPM/1250STEL
ACGIH TLV:1000PPM/1250STEL9192
Ozone Depleting Chemical:1

Ingred Name:CARBON DIOXIDE
CAS:124-38-9
RTECS #:FF6400000
Fraction by Wt: 4%
Other REC Limits:NONE SPECIFIED
OSHA PEL:5000 PPM
ACGIH TLV:5000PPM/30000STEL;93

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

LD50 LC50 Mixture:LD 50 ORAL RAT 43000 MG/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSH
A:NO
Health Hazards Acute and Chronic:ACUTE: IRRITATING TO BODY TISSUES. MAY
AFFECT CENTRAL NERVOUS SYSTEM. CHRONIC: SKIN DEFATTENING.
Explanation of Carcinogenicity:FREON 113 IS NOT LISTED AS A CARCINOGEN
BY IARC, NTP OR OSHA.
Effects of Overexposure:BREATHING HIGH CONCENTRATIONS OF VAPOR MAY
CAUSE LIGHT-HEADEDNESS, GIDDINESS, SHORTNESS OF BREATH, AND MAY
LEAD TO NARCOSIS, CARDIAC IRREGULARITIES, UNCONSCIOUSNESS OR DEATH.
LIQUID IS NOT CORROSIVE O R AN IRRITANT, BUT CAN CAUS
E DEFATTING OF
TISSUE.
Medical Cond Aggravated by Exposure:SKIN DISEASE - FREON 113 IS A
DEFATTING AGENT AND CAN CAUSE DERMATITIS ON PROLONGED EXPOSURE.
PERSONS WITH PRE-EXISTING SKIN DISORDERS MAY BE MORE SUSCEPTIBLE TO
THE EFFECTS OF THIS AGENT.

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

First Aid:INHALATION: REMOVE TO FRESH AIR, CALL A PHYSICIAN. IF NOT
BREATHING, GIVE ARTIFICIAL RESPIRATION.IF BREATHING IS DIFFICULT,
GIVE OXYGEN. DO NOT GIV

E EPINEPHRINE OR SIMILAR DRUGS. EYE: FLUSH WITH WATER . SKIN: FLUSH WITH WATER. IF IRRITATIONPRESISTS, GET MEDICAL ATTENTION. ORAL: GET MEDICAL ATTENTION IMMEDIATELY. DO NOT INDUCE VOMITING AS THE HAZARD OF ASPIRATING INTO THE LUNGS IS TOO GREAT.

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

Flash Point Method:TOC
Flash Point:NONE
Lower Limits:NONFLAMMABLE
Upper Limits:NONFLAMMABLE
Extinguishing Media:NON-FLAMMABLE. USE EXTINGUISHING MEDIA APPROPIATE

FOR SURROUNDING FIRE.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING AND EQUIPMENT. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:PRESSURIZED AEROSOL CONTAINERS AT ELEVATED TEMPERATURES MAY VENT, RUPTURE, OR BURST AND ADD TO FLYING AND FALLING DEBRIS.

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

Spill Release Procedures:VENTILATE AREA. DO NOT FLUSH INTO SEWERS. DIKE SPILL. COLLEC

T ON ABSORBENT MATERIAL AND TRANSFER TO STEEL DRUMS FOR RECOVERY OR DISPOSAL. COMPLY WITH FEDERAL, STATE AND LOCAL REGULATIONS ON REPORTING RELEASES.

Neutralizing Agent:NONE

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

Handling and Storage Precautions:DO NOT STORE NEAR SOURCES OF HEAT, IN DIRECT SUNLIGHT, OR WHERE TEMPERATURES EXCEED 120. DO NOT PUNCTURE OR DAMAGE CONTAINERS. ROTATE STOCK.

Other Precautions:AVOID BREATHING VAPOR, LIQUID CONTACT WITH EYES , SKIN

OR CLOTHING. TANK-CLEANING PERSONNEL SHOULD USE ONLY FORMAL TANK ENTRY PROCEDURE BASED ON RECOGNIZED SAFETY PRINCIPLES. EMPTY CONTAINERS MAY CONTA IN PRODUCT RESIDUES/VAPORS.

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

Respiratory Protection:NONE REQUIRED FOR ADEQUATELY VENTED WORK SITUATIONS. FOR ACCIDENTAL OR NON-VENTILATED SITUATIONS, USE A SELF-CONTAINED BREATHING APPARATUS OR SUPPLIED-AIR RESPIRATOR, APPROVED BY NIOSH.

Ventilation:PRO

VIDE LOCAL EXHAUST AT FILLING ZONES AND OTHER OPERATING SPACES WHERE LEAKAGE IS PROBABLE. MECHANICAL FOR OTHER.
Protective Gloves: BUTYL RUBBER, PVA OR NEOPRENE
Eye Protection: CHEMICAL SPLASH GOGGLES
Other Protective Equipment: PROTECTIVE CLOTHING. EYE BATH AND SAFETY SHOWER.
Work Hygienic Practices: REMOVE AND WASH CLOTHING PROMPTLY UPON CONTAMINATION.
Supplemental Safety and Health
NONE

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

HCC: V2
Boiling Pt: B.P. Text:
117.6F
Vapor Pres: 334
Vapor Density: 6.5
Spec Gravity: 1.57
Evaporation Rate & Reference: >1 (BUTYL ACETATE = 1)
Solubility in Water: NEGLIGIBLE
Appearance and Odor: CLEAR, COLORLESS LIQUID. FAINT SOLVENT ODOR.
Percent Volatiles by Volume: 100

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

Stability Indicator/Materials to Avoid: YES
ALKALI OR ALKALINE EARTH METALS; POWDERED AL, ZN, BR., ETC.
Stability Condition to Avoid: OPEN FLAMES OR HIGH TEMPERATURES
Hazardous Decomposition
Products: DECOMPOSED BY HIGH TEMPERATURES (OPEN FLAMES, GLOWING METAL SURFACES) FORMING HCL, HF AND POSSIBLY CARBONYL HALIDES.

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

Waste Disposal Methods: COMPLY WITH FEDERAL, STATE AND LOCAL REGULATIONS. REMOVE TO A PERMITTED WASTE DISPOSAL FACILITY.

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