

CHEMTRONICS INC -- TRICHLOROFLUOROMETHANE, R11 -- 6830-01-040-3656

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

Product ID:TRICHLOROFLUOROMETHANE, R11

MSDS Date:01/01/1987

FSC:6830

NIIN:01-040-3656

MSDS Number: BKMYQ

=== Responsible Party ===

Company Name:CHEMTRONICS INC

Address:681 OLD WILLETS PATH

City:HAUPPAUGE

State:NY

ZIP:11783

Country:US

Info Phone Num:516-582-3322

Emergency Phone Num:516-582-3322

CA

GE: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:TRICHLOROFLUOROMETHANE (CFC-11) (SARA III)

CAS:75-69-4

RTECS #:PB6125000

Fraction by Wt: 100%

Other REC Limits:SEE

INGREDIENT NAME
OSHA PEL:1000 PPM
ACGIH TLV:C, 1000 PPM; 9293
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS
Ozone Depleting Chemical:1

Ingred Name:SEE SUPP DATA: BY INGEST. CONSULT MD IF NEC. DO NOT INDUCE
VOM AS THE HAZ OF ASPIRATING THE MATL INTO THE LUNGS (ING 3)
RTECS #:9999999ZZ

Ingred Name:SEE ING 2:IS A GREATER HAZ THAN ALLOWING IT TO PROGRESS
THROUGH THE INTESTINAL TRACT.
RTECS #:9999999ZZ

Ingred Name:HAZ DECOMP PROD:CARBONYL HALIDES; CHLORIDES, FLUORIDES, AND
PHOSGENE .
RTECS
#:9999999ZZ

Ingred Name:OTHER PREC:CAUTION MAY DISPLACE OXYGEN IN ENCLOSED/CONFINED
SPACES. GAS/VAPORS MAY ACCUMULATE IN LOW AREAS .
RTECS #:9999999ZZ

Ingred Name:EFTS OF OVEREXP:INDICATED EXCEPT FOR LIFE-SUSTAINING USES
IN HUMANS ACUTELY/CHRONICALLY EXPOS TO (SEE ING 7)
RTECS #:9999999ZZ

Ingred Name:ING 6:CHLOROCARBONS/CFCS . SKIN:NOT A CORR/IRRIT.
RPTD/PRLNGD LIQ CONT CAN CAUSE DEFATTING. EYE:TEST (SEE ING 8)
RTECS #:9999999ZZ

Ingred Name:ING 7:IN RABTS RSLTD IN NO OBSERVABLE
DAM. INGEST:ALTHOUGH
ORAL TOX IS LOW/INGEST OF TRICHLOROFLUOROMETHANE (SEE ING 9)
RTECS #:9999999ZZ

Ingred Name:ING 8: IS TO BE AVOIDED.
RTECS #:9999999ZZ

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

LD50 LC50 Mixture:ALD:(ORAL RAT)>3725 MG/KG
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INHAL:VAP IS HVR/AIR/CAN CAUSE
SUFFOCATION BY REDUCING O*2 AVAIL FOR BRTHG. BRTH

G HIGH CONC OF VAP

MAY CAUSE LIGHT-HEADEDNESS/GIDDINESS/SHORTNESS OF BRTH/MAY LEAD TO NARCOS/CARD IRREGULARITIES/UNCON/D EATH. LC50 RATS 26,200 PPM/4 HRS. NOTE:IN SCREENING TEST W/EXPTL ANIMALS, EXPOS AT APPROX 5000 PPM (SEE EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT.

Effects of Overexposure:HLTH HAZ:(V/V)/ABOVE/FOLLOWED BY A LGE IV EPINEPHRINE CHALLENGE/HAS INDUCED SERIOUS CARD IRREGULARITIES. CHLOROCARBON/CHLOROFLUOROCARBON (CFC) MATLS HAVE PRDCED SENS IT OF THE MYOCARDIUM TO EPHINEPHRIN E IN LAB ANIMALS/COULD HAVE A SIMILAR EFT IN HUMANS. ADRENOMIMETICS (I.E., EPHINEPHRINE) MAY BE CONTRA-(SEE INGRED 6)

Medical Cond Aggravated by Exposure:SKIN DISEASE:

TRICHLOROFLUOROMETHANE CAN DISSOLVE THE NATURAL OIL OF SKIN, THEREFORE DERMAT MAY BE EXPECTED TO RESULT FROM RPTD CONT. PERSONS W/PRE-EXISTING SKIN DISORDERS MAY BE MORE (SEE SUPP DATA)

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

First Aid:INHAL

:REMOVE TO FRESH AIR/CALL MD. IF NOT BRTHG/GIVE ARTF RESP/PREF MOUTH TO MOUTH. IF BRTHG IS DFCLT/GIVE O*2. DO NOT GIVE EPINEPHRINE/SIMILAR DRUGS. NOTE TO MD:BECAUSE OF POSS INCRD RISK OF ELICITIN G CARD DYSRYTHMIAS/CATECHOLAMINE DRUGS/SUCH AS EPINEPHRINE/SHOULD BE CONSIDERED ONLY AS A LAST RESORT IN LIFE THREATENING EMER. EYE:IMMED FLUSH W/PLENTY OF WATER FOR AT LEAST 15 MINS. (SEE SUPP DATA)

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

Flash Poi

nt Method:TCC

Flash Point:NONE

Lower Limits:NONFLAMMABLE

Upper Limits:NONFLAMMABLE

Extinguishing Media:NONFLAMMABLE.

Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED PRESSURE DEMAND SCBA AND FULL PROTECTIVE EQUIPMENT .

Unusual Fire/Explosion Hazard:DRUMS MAY RUPTURE UNDER FIRE CONDITIONS.

DECOMPOSITION MAY OCCUR AT >1100F. THERMAL DECOMPOSITION PRODUCTS MAY INCLUDE CHLORIDES, FLUORIDES AND PHOSGENE .

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

Spill Release

Procedures:NONE SPECIFIED BY MANUFACTURER.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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Handling and Storage
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Handling and Storage Precautions:NONE SPECIFIED BY MANUFACTURER.
Other Precautions:AVOID BRTHG VAPS/PRLNGD SKIN EXPOS. USE ONLY IN WELL VENTD AREAS. NO SMKNG IN AREA OF USE. DO NOT USE IN GEN VICINITY OF ARC WELDING/OPEN FLAMES/HOT SURF. HEAT/UV RADIA MAY CAUSE FORMATION OF CHLORIDE S/FLUORIDES/PHOSGENE. (SEE INGRED 5)

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Exposure Controls/Personal Protection
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Respiratory Protection:NIOSH/MSHA APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN .

Ventilation:CONSULT LOCAL/SAFETY HEALTH AUTHORITIES IF ADDITIONAL GUIDANCE IS NECESSARY.

Protective Gloves:IMPERVIOUS GLOVES .

Eye Protection:CHEMICAL WORKERS GOGGLES .

Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

MED CNDTNS:SUSCEP

TIBLE TO THE EFFECT OF THIS AGENT. CVS DISEASE:SEE HLT HAZ/INHAL SECTION. FIRST AID PROC:CALL MD. SKIN:THE COMPOUND IS NOT LIKELY TO BE HAZ BY SKIN CONT, BUT CLEANSING OF SKIN AFTER U SE IS ADVISABLE. INGEST: NO SPECIFIC INTERVENTION IS INDICATED AS THE COMPOUND IS NOT LIKELY TO BE HAZ (SEE INGRED 2)

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Physical/Chemical Properties
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Boiling Pt:B.P. Text:75.0F,23.9C

Vapor Pres:7.0 (20C)

Vapor Density:4.9

pH:NEUT

Evaporation Rate & Referenc
e:0.1 (CC*4=1)

Solubility in Water:0.1% BY WT @ 77F

Appearance and Odor:CLEAR; SLIGHT ETHEREAL ODOR.

Percent Volatiles by Volume:100

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Stability and Reactivity Data
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Stability Indicator/Materials to Avoid:YES

ALKALI OR ALKALINE EARTH METALS-POWDERED AL, ZN, BE, ETC.

Stability Condition to Avoid:AVOID OPEN FLAMES AND HIGH TEMPERATURES.

Hazardous Decomposition Products:CAN BE DECOMP BY HIGH TEMP (OPEN FLAMES/GLOWING SURF/ETC) FORMING HYDROCHLORIC/HYDROFLUOR

IC

ACIDS-POSS (SEE INGRED 4)

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

Waste Disposal Methods:DISPOSAL MUST BE IN ACCORDANCE WITH FEDERAL,
STATE AND LOCAL REGULATIONS . HAZARD SUBSTANCE UNDER CERCLA.

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