

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

CAG

E: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

Inged 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

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

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

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

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

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

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

Inged 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. BRTHG

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 SENSI  
T 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 Poin  
t 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.

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

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 =====

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:SUSCEPT

IBLE 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)

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

Boiling Pt:B.P. Text:75.0F,23.9C

Vapor Pres:7.0 (20C)

Vapor Density:4.9

pH:NEUT

Evaporation Rate & Reference  
: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

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

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/HYDROFLUORI

C

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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