

CHEMTRONICS INC -- 2400, TUN-O-WASH -- 6850-01-224-9211

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

Product ID:2400, TUN-O-WASH  
MSDS Date:06/01/1987  
FSC:6850  
NIIN:01-224-9211  
MSDS Number: BPFKX  
=== Responsible Party ===  
Company Name:CHEMTRONICS INC  
Address:8125 COBB CENTER DR  
City:KENNESAW  
State:GA  
ZIP:30144  
Country:US  
Info Phone Num:404-424-4888  
Emergency Phone Num:404-424-4888  
Preparer's Name:S. H. STEIN

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:ETHANE, 1,1,2-TRICHLORO-1,2,2-TRIFLUORO-;  
(1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE). LD50:(ORAL RAT) 43000

MG/KG  
CAS:76-13-1  
RTECS #:KJ4000000  
Fraction by Wt: 20-50%  
OSHA PEL:1000PPM;1250PPM STEL  
ACGIH TLV:1000PPM;1250PPM STEL  
Ozone Depleting Chemical:1

Ingred Name:METHANE, TRICHLOROFLUORO-; (TRICHLOROFLUOROMETHANE) (SARA III). LD50:(ORAL RAT) >37.25 MG/KG  
CAS:75-69-4  
RTECS #:PB6125000  
Fraction by Wt: 50-70%  
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:CARBON DIOXIDE (PROPELLANT). PEL:10000 PPM; 30000 PPM STEL.  
TLV:5000 PPM; 30000 PPM STEL  
CAS:124-38-9  
RTECS #:FF6400000  
Fraction by Wt: 3%  
OSHA PEL:5000 PPM  
ACGIH TLV:5000PPM/30000STEL;93

Ingred Name:SUPP DATA:HUMANS ACUTELY OR CHRONICALLY EXPOSED TO CHLOROCARBONS .  
RTECS #:9999999ZZ

Ingred Name:FIRST AID PROC:NEC. DO NOT INDUCE VOM AS HAZ OF ASPIRATING MATL INTO LUNGS IS A GREATER HAZ THAN ALLOWING IT TO (ING 6)  
RTECS #:9999999ZZ

Ingred Name:ING 5:PROGRESS THROUGH INTESTINAL TRACT. NOTE TO MD:BECAUSE OF POSS INCRD RISK OF ELICITING CARD DYSRYTHMIAS, (ING 7)  
RTECS #:9999999ZZ

Ingred Name:ING 6:CATECHOLAMINE DRUGS, SUCH AS EPINEPHRINE, SHOULD BE CONSIDERED ONLY AS A LAST RESORT IN LIFE-THREATENING EMER.  
RTECS #:9999999ZZ

Ingred Name:VENT:RELEASED. MECHANICAL VENTILATION SHOULD BE USED IN LOW PLACES.  
RTECS #:9999999ZZ

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

LD50 LC50 Mixture:SEE INGREDIENTS.  
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 THAN AIR & CAN CAUSE SUFFOCATION BY REDUCING O\*2 AVAIL FOR BRTHG. BRTHG HIGH CONC OF THESE PRODS CAN CAUSE LT HEAD, GIDDINESS, SHORTNESS OF BREATH & MAY LEAD TO NARCOS, CARD IRREGULAR ITIES, UNCON OR DEATH. SKIN:NOT A CORR/IRRIT AFTER SINGLE CONT. RPTD LIQ CONT CAN CAUSE DEFATTING (EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT.

Effects of Overexposure:HLTH HAZ:RSLTG IN IRRIT. THIS MATL IS POORLY ABS

ORBED THRU SKIN. EYE:LIQ CONT CAN CAUSE DISCOMFORT, USUALLY NO EXTENDED EFT. INGEST: ALTHOUGH ORAL TOX IS LOW, INGEST OF TRICHLOROTRIFLUOROETHANE IS TO BE AVOIDED. CHLOROFLUOROCARBON (CFC) MATLS HAVE PRDCED SENSIT OF MYOCARDIUM TO EPINEPHRINE IN LAB (SUPP DATA)

Medical Cond Aggravated by Exposure:CARDIOVASCULAR DISEASE. SEE HEALTH HAZARDS, INHALATION SECTION.

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

First Aid:INHAL:REMOVE TO FRESH AIR. CALL MD.  
IF NOT BRTHG, GIVE ARTF  
RESP, PREFERABLY MOUTH-TO-MOUTH. IF BRTHG IS DFCLT, GIVE O\*2. DO NOT GIVE EPINEPHRINE/SIMILAR DRUGS. EYE:IMMED FLUSH W/PLENTY OF WATER FOR A T LEAST 15 MINS. CALL MD. SKIN:FLUSH W/WATER. GET MD IF IRRIT IS PRESENT. INGEST:NO SPECIFIC INTERVENTION IS INDICATED AS CMPD IS NOT LIKELY TO BE HAZ BY INGEST. HOWEVER, CONSULT MD IF (ING 5)

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

Flash Point Method:TOC  
Flash Point:NONE  
Lower L  
imits:NON-FLAMM  
Upper Limits:NON-FLAMM  
Extinguishing Media:NON-FLAMMABLE. USE MEDIA SUITABLE FOR SURROUNDING FIRE CONDITIONS .  
Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED PRESSURE DEMAND SCBA & FULL PROTECTIVE EQUIPMENT .  
Unusual Fire/Explosion Hazard:PRESSURIZED AEROSOL CONTRS AT ELEVATED TEMPS MAY VENT/RUPTURE/BURST & ADD TO FLYING/FALLING DEBRIS. DECOMP MAY OCCUR. THERMAL DECOMP PRODS MAY INCL (SUPP DATA)

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

==

Spill Release Procedures:VENTILATE AREA. REMOVE OPEN FLAMES OR RED HOT SURFACES. ALLOW TO EVAPORATE.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:DO NOT STORE NEAR SOURCES OF HEAT/IN DIRECT SUNLIGHT/WHERE TEMPS EXCEED 120F. DO NOT PUNCTURE/DAM CONTR. ROTATE STOCK. USE ONLY IN WELL-VENTD AREA.  
Other Precautions:AVOID BRTHG VAPS & PRLNGD SKIN EXPOS. NO SMOKING IN AREA OF USE. DO NOT USE IN THE GEN VICINTY OF ARC WELDING, OPEN FLAMES OR HOT SURFACES. HEAT &/OR UV RADIATION MAY CAUSE THE FORMATION OF CHLORIDES, FLUORIDES & PHOSGENE .

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

Respiratory Protection:UNDER NORMAL MANUFACTURING CONDITIONS, NO RESPIRATORY PROTECTION IS REQUIRED WHEN USING THIS PRODUCT. NIOSH/MSHA APPROVED SCBA IS REQUIRED IF A LARGE SPILL OCCURS. DO NOT SPRAY LIQUID ON SKIN.  
Ventilation:NORM VENT FOR ST ANDARD MANUFACTURING PROCEDURES IS GENERALLY ADEQ. LOC EXHST SHOULD BE USED WHEN LGE AMTS (ING 8)  
Protective Gloves:BUTYL GLOVES.  
Eye Protection:CHEMICAL WORKERS GOGGLES .  
Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.  
Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.  
Supplemental Safety and Health  
EXPLO HAZ:CHLORIDES, FLUORIDES & PHOSGENE . HAZ DECOMP  
PROD:HYDROFLUORIC ACIDS, POSSIBLY CARBONYL HALIDES. CHLORIDES, FLUORIDES & PHOSGENE . EFTS OF OVEREXP:ANIMALS & COU  
LD HAVE A  
SIMILAR EFT IN HUMANS. ADRENOMIMETICS (E.G. EPINEPHRINE) MAY BE CONTRAINDICATED EXCEPT FOR LIFE-SUSTAINING USES IN (ING 4)

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

HCC:V2  
Boiling Pt:B.P. Text:75.0F,23.9C  
Vapor Pres:334 @ 77F  
Vapor Density:4.6 @ 77F  
Spec Gravity:1.46 @ 77F  
pH:NEUT  
Evaporation Rate & Reference:1 (ETHER=1)  
Solubility in Water:NEGLIGIBLE  
Appearance and Odor:CLEAR, COLORLESS LIQUID; FAINT SOLVENT ODOR.  
Percent Volatiles by Volume:1

## ===== 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 SPRAYING NEAR OPEN FLAMES OR RED HOT SURFACES. DO NOT HEAT AEROSOL CONTAINERS ABOVE 120F.

Hazardous Decomposition Products: THIS CMPD CAN BE DECOMPOSED BY HIGH TEMPS (OPEN FLAMES/GLOWING METAL SURF/ETC) FORMING HYDROCHLORIC & (SUPP DATA)

## ===== Disposal Considerations =====

Waste Disposal Methods: ALLOW TO EVAPORATE. DO NOT PUNCTURE OR INCINERATE AEROSOL CANS. COMPLY W/FEDERAL, STATE & LOCAL REGULATIONS.

Disclaimer (provided with this information by the compiling agencies): This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.