

CHEMTRONICS INC -- R-22 -- 6830-00-106-1659

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

Product ID:R-22  
MSDS Date:08/01/1987  
FSC:6830  
NIIN:00-106-1659  
MSDS Number: BPHFT  
=== Responsible Party ===  
Company Name:CHEMTRONICS INC  
Address:8125 COBB CENTER ROAD  
City:KENNESAW  
State:GA  
ZIP:30144  
Country:US  
Info Phone Num:404-424-4888  
Emergency Phone Num:800-654-5244 EXT 141  
Preparer's Name:HAL ALPER  
CAGE:2M589

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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:CHLORODIFLUOROMETHANE  
CAS:75-45-6  
RTECS #:PA6390000  
Fraction by Wt: 100%  
OSHA PEL:1000 PPM  
ACGIH TLV:1000PPM; 9192  
Ozone Depleti

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Hazards Identification  
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LD50 LC50 Mixture:2 HOUR LC50 RATS IS 300,000 PPM  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:PRODUCT IS NEITHER CORROSIVE NOR AN IRRITANT. IT WILL DEFAT & DRY SKIN,POSSIBLY CAUSING DERMATITIS. VAPOR IS HEAVIER THAN AIR AND CAN CAUSE SUFFOCATION BY REDUCING OXYGEN AVAILABLE FOR BREATHING. HIGH EVAPORATION RATE MAY COOL TISSUES SUFFICIENTLY TO CAUSE FROSTBITE.  
Explanation of Carcinogenicity:PRODUCT 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 CAN CAUSE DEFATTIN G OF TISSUE.  
Medical Cond Aggravated by Exposure:CARDIOVASCULAR DISEASES.

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First Aid Measures  
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First Aid:EYE:FLUSH WITH WATER 15 MIN. SEE A DOCTOR. SKIN:FLUSH WITH WATER. TREAT FOR FROST-BITE IF NEEDED. INHALED:REMOVE TO FRESH AIR. RESTORE BREATHING, AS NEEDED. DO NOT GIVE EPINEPHRINE OR SIMILAR DRUGS. I NGESTED:HIGHLY UNLIKELY EXPOSURE IN AS MUCH AS THE PRODUCT IS A GAS AT ROOM TEMPERATURES.

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Fire Fighting Measures  
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Flash Point Method:TOC  
Flash Point:NONE  
Lower Limits:NONE  
Upper Limits:NONE  
Extinguishing Media:WHEN HEATED TO FIRE TEMPERATURES R22 WILL BURN WEAKLY. USE EXTINGUISHANT SUFFICIENT TO STOP THE OTHER BURNING.  
Fire Fighting Procedures:SCBA MAY BE REQUIRED IF CYLINDERS RUPTURE OR CONTENTS ARE RELEASED.  
Unusual Fire/Explosion Hazard:CYLINDERS ARE EQUIPPED WITH PRESSURE AND TERMPERATURE RELIEF DEVICES BUT MAY STILL RUPTURE UNDER FIRE CONDITIONS. DECOMPOSITION MAY OCCUR.

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Accidental Release Measures  
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Spill Release Pro

cedures:VENTILATE AREA-ESPECIALLY LOW PLACES WHERE  
HEAVY VAPORS CAN COLLECT. REMOVE OPEN FLAMES.  
Neutralizing Agent:NO INFORMATION GIVEN ON MSDS BY SUPPLIER

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

Handling and Storage Precautions:STORE IN A CLEAN, COOL (BELOW 125F),  
DRY AND WELL-VENTILATED AREA OF LOW FIRE RISK.

Other Precautions:NONE

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

Respiratory Protection:RESPIRATOR WILL NOT NORMALLY BE  
NECESSARY. USE

SELF CONTAINED BREATHING APPARATUS IF A LARGE RELEASE OCCURS.

Ventilation:PROVIDE LOCAL EXHAUST AT FILLING ZONES AND OTHER OPERATING  
SPACES WHERE LEAKAGE IS PROBABLE. MECHANICAL FOR LOW AREAS.

Protective Gloves:LINED BUTYL

Eye Protection:CHEMICAL SPLASH GOGGLES

Other Protective Equipment:NO INFORMATION GIVEN ON MSDS BY SUPPLIER

Work Hygienic Practices:MFR: ? HMIS:USE GOOD CHEMICAL HYGIENE  
PRACTICE. AVOID UNNECESSARY CONTACT. WASH THOROUGHLY BEFORE EATING  
OR DRINKIN

G.

Supplemental Safety and Health

MSDS RECEIVED FROM NAVY (FOCAL POINT N). NAVY IDENTIFIED NSN.

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

HCC:G3

Boiling Pt:B.P. Text:-41.4F,-41C

Vapor Pres:138 PSIG

Vapor Density:2.98

Spec Gravity:1.194

Solubility in Water:0.30%

Appearance and Odor:CLEAR-COLORLESS GAS, SLIGHT ETHEREAL ODOR

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

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KALI OR ALKALINE EARTH METALS, AND POWDERED ALUMINUM,ZINC,BERYLLIUM,  
ETC.

Stability Condition to Avoid:HIGH TEMPERATURES, SPARKS, AND OPEN FLAMES

Hazardous Decomposition Products:DECOMPOSED BY HIGH TEMPERATURES (OPEN  
FLAMES, GLOWING METAL SURFACES, ETC.) FORMING HYDROCHLORIC AND  
HYDROFLUORIC ACIDS.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:RECLAME BY DISTILLATION. COMPLY WITH  
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DERAL,STATE AND LOCAL REGULATIONS

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