

ALLIED CHEMICAL INDUSTRIAL CHEM DIV -- GENETRON 22 CHLORODIFLUOROMETHANE --  
6830-00-935-9896

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

Product ID:GENETRON 22 CHLORODIFLUOROMETHANE

MSDS Date:03/01/1982

FSC:6830

NIIN:00-935-9896

MSDS Number: BMTXY

=== Responsible Party ===

Company Name:ALLIED CHEMICAL INDUSTRIAL CHEM DIV

Address:COLUMBIA RD & PARK AVE

Box:1139R

City:MORRISTOWN

State:NJ

ZIP:07960

Country:US

Info Phone Num:201-455-2000

Emergency Phone Num:201-455-2000

CA

GE:72658

=== Contractor Identification ===

Company Name:ALLIED CHEMICAL INDUSTRIAL CHEM DIV

Address:COLUMBIA RD & PARK AVE

Box:City:MORRISTOWN

State:NJ

ZIP:07960

Country:US

Phone:201-455-2145

CAGE:72658

Company Name:REFRIGERATION SALES CO INC

Address:38-18 33RD ST

Box:City:LONG ISLAND CITY

State:NY

ZIP:11101-2211

Country:US

Phone:800-221-0603

CAGE:3A676

===== Composition/Information on Ingredients =====

Ingred Name:CHLORODIFLUOROMETHANE

CAS:75-45-6

RTECS #:PA6390000

Fraction

by Wt: 100%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:1000 PPM  
ACGIH TLV:1000PPM; 9192  
Ozone Depleting Chemical:2

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE-EYES/SKIN:MAY CAUSE FROSTBITE.  
INHALATION: BREATHING HIGHER CONCENTRATIONS MAY CAUSE ASPHYXIATION,  
UNCONSCIOUSNESS, NARCOSIS, IRREGULAR HEARTBEAT OR CARDIAC ARR  
EST.  
CHRONIC-NONE.  
Explanation of Carcinogenicity:NONE OF THE CHEMICALS IN THIS PRODUCT IS  
LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN.  
Effects of Overexposure:LIGHTHEADEDNESS, GIDDINESS, LOSS OF  
COORDINATION, SHORTNESS OF BREATH, UNCONSCIOUSNESS & DEATH.  
Medical Cond Aggravated by Exposure:HEART CONDITIONS.

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

First Aid:EYE/SKIN:IMMEDIATELY FLUSH WITH LUKEWARM WATER FOR 20  
MINUTES. SEE DOCTOR. INHALATION:REMOVE  
TO FRESH AIR. IF NOT  
BREATHING GIVE CPR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. SEE  
DOCTOR IMMEDIATELY.

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

Flash Point:NONE  
Extinguishing Media:USE EXTINGUISHING AGENTS APPROPRIATE FOR SOURCE OF  
FIRE.  
Fire Fighting Procedures:FIRE FIGHTERS MUST WEAR SPECIAL PERSONAL  
PROTECTIVE SUITS FOR FIRE/CHEMICAL & POSITIVE PRESSURE SCBA.  
FIREFIGHTERS' TURNOUT GEAR IS INADEQUATE.  
Unusual Fire/Explosion Hazard:CYLINDERS E  
XPOSED TO FIRE MAY RUPTURE  
WITH VIOLENT FORCE. EXTINGUISH SURROUNDING FIRE. COOL CYLINDERS  
WITH WATER SPRAY APPLIED FROM THE MAXIMUM DISTANCE.

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

Spill Release Procedures:RESTRICT ACCESS TO AREA. WEAR PERSONAL  
PROTECTIVE EQUIPMENT. VENTILATE AREA. ALLOW GAS TO DISSIPATE INTO  
THE ATMOSPHERE.

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

Handling and Storage Precautions:STORE BELOW 120F IN A

DRY, WELL

VENTILATED AREA AWAY FROM SOURCES OF IGNITION/HEAT.

Other Precautions:NONE

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

Respiratory Protection:IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL (TLV), USE NIOSH APPROVED RESPIRATOR AS PER CURRENT 29 CFR 1910.134, INSTRUCTIONS/WARNINGS AND NIOSH-RESPIRATOR SELECTION.

Ventilation:MECHANICAL (GENERAL) VENTILATION IS USUALLY ADEQUATE.

Protective Gloves:NONE

Eye Protection:SAFETY GLASSES

Other Protective Equipment:EYE BATH., INDUSTRIAL TYPE WORK CLOTHING AND APRON AS REQUIRED TO AVOID PROLONGED OR REPEATED CONTACT.

Work Hygienic Practices:DO NOT SMOKE WHILE USING/WORKING WITH THIS MATERIAL.

Supplemental Safety and Health

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

HCC:G3

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

Melt/Freeze Pt:M.P/F.P Text:-256F,-160C

Vapor Pres:121.4 PSIG

Vapor Density:3.11

Spec Gravity:1.21

Evaporation Rate & Reference:GAS

Solubilit

y in Water:0.30% BY WEIGHT

Appearance and Odor:COLORLESS, LIQUIFIED GAS, ETHEREAL ODOR.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

SODIUM, POTASSIUM, BARIUM, POWDERED MAGNESIUM, POWDERED ALUMINUM AND ORGANOMETALLICS.

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

Hazardous Decomposition Products:HYDROGEN CHLORIDE, HYDROGEN FLUORIDE, CARBONYL FLUORIDE & PHOSGENE.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE  
FEDERAL, STATE AND 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. An

y person utilizing this  
document should seek competent professional advice to verify and  
assume responsibility for the suitability of this information to their  
particular situation.