

C F C RECLAMATION AND RECYCLING SERVICE INC -- HALOCARBON 22,FREON/HCFC-22 --
6830-00-106-1659

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

Product ID:HALOCARBON 22,FREON/HCFC-22

MSDS Date:09/01/1996

FSC:6830

NIIN:00-106-1659

MSDS Number: CFYCM

=== Responsible Party ===

Company Name:C F C RECLAMATION AND RECYCLING SERVICE INC

Address:318 N TREADAWAY

Box:560

City:ABILENE

State:TX

ZIP:79604

Country:US

Info

Phone Num:9150-675-5311

Emergency Phone Num:9150-675-5311

CAGE:0XXK5

=== Contractor Identification ===

Company Name:C F C RECLAMATION AND RECYCLING SERVICE INC

Address:318 N TREADAWAY

Box:560

City:ABILENE

State:TX

ZIP:79604

Country:US

Phone:9150-675-5311 FAX: 915-675-5324

CAGE:0XXK5

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

Ingred Name:CHLORODIFLUOROMETHANE (SARA 313) (CERCLA)

CAS:75-45-6

RTECS #:PA6390000

Fraction by Wt: 100%

Other REC Limits:NONE RECOMMENDED

OSHA

PEL:1000 PPM
ACGIH TLV:1000 PPM; 9596
Ozone Depleting Chemical:2

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

LD50 LC50 Mixture:TLV 1,000 PPM.

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:TARGET ORGANS:CNS, EYE, SKIN, LUNG.

ACUTE- HARMFUL IF INHALED. MAY CAUSE HEART IRREGULARITIES,
UNCONSCIOUSNESS OR DEATH. INTENTIONAL MISUSE IS FATAL. VAPOR
REDUCES OXYGEN & IS H

EAVIER THAN AIR. EYE/SK IN CONTACT WITH LIQUID

CAN CAUSE FROSTBITE. VAPORS CAN CAUSE EYE IRRITATION. INGESTION IS
UNLIKELY. CHRONIC- UNKNOWN.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:TEMPORARY NERVOUS SYSTEM DEPRESSION WITH
ANAESTHETIC EFFECTS SUCH AS DIZZINESS, HEADACHE, CONFUSION,
INCOORDINATION, LOSS OF CONSCIOUSNESS, IRREGULAR PULSE,
PALPITATIONS, INADEQUATE CIRCULATION, FROST BILTE, IRRITATION,
BLURRED VISION, TEARING

Medical Cond Aggravated by Exp

osure:INDIVIDUALS WITH PREEXISTING

DISEASES OF THE CENTRAL NERVOUS OR CARDIOVASCULAR SYSTEM MAY HAVE
INCREASED SUSCEPTIBILITY TO THE TOXICITY OF EXCESSIVE EXPOSURE.

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

First Aid:GET MEDICAL ATTENTION IF NEEDED. EYE/SKIN:IMMEDIATELY FLUSH
WITH PLENTY OF LUKEWARM WATER. INHALED:REMOVE TO FRESH AIR &
PROVIDE OXYGEN/CPR IF NEEDED. ORAL:INGESTION IS NOT CONSIDERED A
POTENTIAL ROUT E OF EXPOSURE. NOTE TO PHYSICIAN:

CATECHOLAMINE DRUGS

SHOULD BE USED WITH SPECIAL CAUTION ONLY IN SITUATIONS OF EMERGENCY
LIFE SUPPORT.

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

Flash Point:NONE

Autoignition Temp:Autoignition Temp Text:1170F

Lower Limits:NOT RELEVANT

Upper Limits:NOT RELEVANT

Extinguishing Media:WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CHEMICAL
FOR SURROUNDING FIRE. USE WATER SPRAY TO COOL FIRE EXPOSED
CYLINDERS.

Fire Fighting Procedures:WEAR PROTECTIVE CLOTHING AND N

IOSH-APPROVED

SELF-CONTAINED BREATHING APPARATUS. MOVE CYLINDERS FROM FIRE AREA IF POSSIBLE WITHOUT INCREASED PERSONAL RISK.

Unusual Fire/Explosion Hazard:CYLINDERS MAY RUPTURE. DECOMPOSITION PRODUCTS ARE TOXIC AND CORROSIVE.

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

Spill Release Procedures:VENTILATE AREA, ESPECIALLY LOW PLACES WHERE VAPORS MIGHT COLLECT. REMOVE OPEN FLAMES. USE SELF-CONTAINED BREATHING APPARATUS FOR LARGE SPILLS OR RELEASES.

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL VENTILATED AREA, AWAY FROM OPEN FLAMES & INCOMPATIBLE MATERIALS. DO NOT HEAT ABOVE 130F.

Other Precautions:AVOID BREATHING VAPORS. AVOID EYE OR SKIN CONTACT. WASH WITH SOAP AND WATER BEFORE EATING OR DRINKING. USE WITH ADEQUATE VENTILATION. NEVER USE IN CONFINED OR CLOSED SPACES WITHOUT PROPER PROTECTIVE EQUIPMENTS.

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

Respiratory Protection:WEAR NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS OPERATED IN POSITIVE PRESSURE MODE OR SUPPLIED-AIR RESPIRATOR WITH FULL FACEPIECE AND OPERATED IN PRESSURE-DEMAND OR OTHER POSITIVE PRESSURE MODE IF A LARGE RELEASE OCCURS.

Ventilation:NORMAL VENTILATION IS SUFFICIENT. LOCAL EXHAUST WHEN LARGE AMOUNTS ARE RELEASED, MECHANICAL VENTILATION IN LOW PLACES

Protective Gloves:LINED BUTYL GLOVE

S

Eye Protection:CHEMICAL SPLASH GOGGLES/FACE SHIELD

Other Protective Equipment:EYEBATH, SAFETY SHOWER, PROTECTIVE CLOTHING

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING.

Supplemental Safety and Health

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

HCC:G3

NRC/State Lic Num:NOT RELEVANT

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

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

Vapor Pres:6980 @ 70F

Vapor Densit

y:3.06 @ 70F

Spec Gravity:1.413 (LIQUID)

Evaporation Rate & Reference:NOT RELEVANT

Solubility in Water:SLIGHT

Appearance and Odor:COLORLESS GAS - SLIGHT ETHEREAL ODOR

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

ALKALI OR ALKALINE EARTH METALS, POWDERED ALUMINUM, ZINC, MAGNESIUM, BERYLLIUM, ETC.

Stability Condition to Avoid:OPEN FLAME, GLOWING METAL SURFACES, HIGH TEMPERATURES (>300F/

149C)

Hazardous Decomposition Products:MAY FORM HYDROGEN FLUORIDE, HYDROGEN CHLORIDE AND TRACES OF CARBONYL HALIDES.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. DO NOT ATTEMPT TO DISPOSE OF RESIDUAL OR UNUSED QUANTITIES. RETURN IN THE SHIPPING CONTAINER PROPERLY LABELED, WITH ANY VALVE OR CAP S SECURED TO YOUR SUPPLIER FOR PROPER DISPOSAL.

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