

ELF ATOCHEM NORTH AMERICA (FORMERLY RACON INC) -- REFRIGERANT 12,FREON 12,GENETRON 12,R-12,CF -- 6830-00-292-0147

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

Product ID:REFRIGERANT 12,FREON 12,GENETRON 12,R-12,CF

MSDS Date:04/07/1989

FSC:6830

NIIN:00-292-0147

MSDS Number: CBRYR

==== Responsible Party ===

Company Name:ELF ATOCHEM NORTH AMERICA (FORMERLY RACON INC)

Address:6040 S RIDGE RD

Box:198

City:WICHITA

State:KS

ZIP:67201

Country:US

Info Phone Num:800-835-2916/316-524-3245

Emergency Phone Num:CALL COLLECT 415-821-5338

CAGE:2A580

==== Contractor Identification ===

Company Name:ELF ATOCHEM NORTH AMERICA (FORMERLY RACON INC)

Address:6040 S RIDGE RD

Box:198

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

Ingred Name:DICHLORODIFLUOROMETHANE (SARA III)

CAS:75-71-8

RTECS #:PA8200000

Fraction by

Wt: 100%

OSHA PEL:1000 PPM

ACGIH TLV:1000 PPM; 9192

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ozone Depleting Chemical:1

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

LD50 LC50 Mixture:LC50 (ORAL RATS) =800,000 PPM FOR 30 MIN

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

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

Health Hazards Acute and Chronic:CFC-12 DISPLAYS REVERSABLE EFFECTS AT 1000 PPM FOR >2 HRS. GREATER CONCENTRATIONS ACT MORE QUICKLY.

INHALATION MAY SENSITIZE THE HEART TO DRUGS LIKE EPINEPHERINE.

CONTACT W/VAPOR MAY CAUSE SLIGHT IRRITATION. CONTACT W/LIQUID MAY CAUSE FREEZING, FROSTBITE.

Explanation of Carcinogenicity:NONE NOTICED IN TWO YEAR FEEDING & INHALATION STUDIES OF RATS & DOGS.

Effects of Overexposure:EYE:MILD IRRITATION W/DISCOMFORT, TEARING, BLURRING OF VISION. SKIN:FROSTBITE. INHALATION:TEMPORARY NERVOUS SYSTEM DEPRESSION W/DIZZINESS, HEADACHE, CONFUSION, INCOORDINATION, & LOSS OF CONSCIOUSNESS. EXPOSURES MAY CAUSE HEART & CIRCULATORY IRREGULARITIES.

Medical Cond Aggravated by Exposure:MFR GAVE NO INFORMATION OF MSDS.

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

First Aid:IF IRRITATION PERSISTS OR IS SEVERE, GET MEDICAL ATTENTION.

EYE:FLUSH W/WATER FOR 15 MIN. SKIN:FLUSH AFFECTED AREA W/WATER. TREAT FOR FROSTBITE BY GENTLY WARMING AFFECTED AREA. INHALED:REMOVE FROM EXPOSURE. KEEP VICTIM CALM. AID OR RESTORE BREATHING AS NEEDED. INGESTED:NOT CONSIDERED A POTENTIAL ROUTE OF EXPOSURE.

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

Flash Point:NONFLAMMABLE

Extinguishing Media:MFR GAVE NO INFORMATION OF MSDS.

Fire Fighting Procedures:MFR GAVE NO INFORMATION OF MSDS.

Unusual Fire/Explosion Hazard:MFR GAVE NO INFORMATION OF MSDS.

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

Spill Release Procedures:KEEP UPWIND. VENTILATE ENCLOSED SPACES UNTIL GAS IS DISPERSED. DO NOT SMOKE OR OPERATE HEATERS.

ERATE INTERNAL COMBUSTION

ENGINES IN IMMEDIATE VICINITY.

Neutralizing Agent:MFR GAVE NO INFORMATION OF MSDS.

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

Handling and Storage Precautions:STORE & USE W/ADEQUATE VENTILATION.

NEVER USE IN ENCLOSED SPACE. LOCAL EXHARST MAY BE NECESSARY TO
REDUCE CONCENTRATIONS