

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

City:WICHITA

State:KS

ZIP:67201

Country:US

Phone:CALL COLLECT 415-821-5338

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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 EPINEPHRINE.
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 OP

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