

RACON INCORPORATED -- REFRIGERANT 22 -- 6830-00-227-0441

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

Product ID:REFRIGERANT 22

MSDS Date:04/07/1989

FSC:6830

NIIN:00-227-0441

MSDS Number: BLJSN

=== Responsible Party ===

Company Name:RACON INCORPORATED

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:415-821-5338

CAGE:K00

01

=== 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

CAGE:2A580

Company Name:RACON INCORPORATED

Address:6040 S RIDGE RD

Box:198

City:WICHITA

State:KS

ZIP:67201

Country:US

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

CAGE:K0001

Company Name:REFRIGERATION SALES CO INC

Address:38-18 33RD ST

Box:City:LONG ISLAND CITY

State:NY

ZIP:11101-2211

Country:US

Phone:800-22

1-0603  
CAGE:3A676

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Composition/Information on Ingredients  
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Ingred Name:CHLORODIFLUOROMETHANE  
CAS:75-45-6  
RTECS #:PA6390000  
Fraction by Wt: 100%  
Other REC Limits:NONE SPECIFIED  
ACGIH TLV:1000PPM;1250PPM STEL  
Ozone Depleting Chemical:2

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Hazards Identification  
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LD50 LC50 Mixture:LC50 277,000-390,000 PPM (RAT)(INHAL)\*  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE: INHAL: CARDIOVASCULAR &  
RESPIRATORY SYSTEMS MAY BE AFFECTED. CONFUSION, LUNG(RESPIRATORY)  
IRRIT, TREMORS AND COMA. HIGH CONCENTRATIONS PRODUCE STIMULATION  
AND THEN DEPRESSION AND FINALLY ASPHYX IATION. INGEST:  
FROSTBITE/FREEZING OF CONTACTED TISSUE. SKIN: FROSTBITE/FREEZING OF  
CONTACTED TISSUE.\*\*

Explanation of Carcinogenicity:ANIMAL STUDIES--HFA-22 WAS WEAKLY  
CARCINOGENIC TO THE OLDEST MALE RATS (LOW INCIDENCE FIBROSARCOMA IN

SALIVARY GLAND).

Effects of Overexposure:\*15 MINUTES TO 2 HOURS.

\*\*INHALATION: VAPOR CAN BE FATAL. ANIMAL  
STUDIES: ALTERATION IN BODY WEIGHT, PHYSIOLOGICAL ENDURANCE,  
AFFECTS THE LUNGS, CENTRAL NERVOUS SYSTEM, HEART, LIVER, KIDNEY AND  
SPLEEN.

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First Aid Measures  
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First Aid:INHALATION: REMOVE TO FRESH AIR. KEEP WARM & AT REST. IF  
LABORED BREATHING, GIVE OXYGEN. IF NOT BREATHING, START ARTIFICIAL

RESPIRATION. IF NO PULSE, START CPR. DO NOT GIVE STIMULANTS. GET MEDICAL AID . KEEP AT REST FOR 24 HRS. EYES/SKIN: FLUSH WITH WATER OR SALINE SOLUTION--20 MINUTES. GET MEDICAL AID. INGESTION: KEEP PATIENT CALM. GET MEDICAL AID. WARM SKIN SLOWLY.

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

Flash Point:NONE

Autoignition Temp:Autoignition Temp Text:NONE

Fire Fighting Procedures:USE SELF-CONTAINED BREATHING APPARATUS. IF HFA-22 CONTACTS OPEN FLAMES OR EXTREMELY HOT METAL SURFACES, MAY DECOMPOSE TO TOXIC GASES.

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

Spill Release Procedures:KEEP UPWIND. VENTILATE ENCLOSED SPACES UNTIL GAS IS DISPERSED. DO NOT SMOKE OR OPERATE INTERNAL COMBUSTION ENGINES IN IMMEDIATE VICINTY.

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

Handling and Storage Precautions:STORE AND USE WITH ADEQUATE VENTILATION. NEVER USE IN A CLOSED OR CONFINED SPACE. STORE I N COOL PLACE (