

RACON INCORPORATED -- REFRIGERANT 502 -- 6830-00-137-7970

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

Product ID:REFRIGERANT 502

MSDS Date:04/07/1989

FSC:6830

NIIN:00-137-7970

MSDS Number: BNSYC

=== 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:K

O001

=== 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:KO001

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

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

Ingred Name:CHLORODIFLUOROMETHANE (HFA-22)
CAS:75-45-6
RTECS #:PA6390000
Fraction by Wt: 48.8%
Other REC Limits:STEL: 1250 PPM (VOL)
ACGIH TLV:1000 PPM(VOL)8HR TWA
Ozone Depleting Chemical:2

Ingred Name:CHLOROPENTAFLUOROETHANE (CFC-115) (SARA III)
CAS:76-15-3
RTECS #:KH7877500
Fraction by Wt: 51.2%
Other REC Limits:NONE SPECIFIED
ACGIH TLV:1000 PPM(VOL)8HR TWA
Ozone Depleting Chemical:1

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

LD50 LC50 Mixture:LC50(RAT)277,000--390,000PPM(15 MIN-2HR)
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Health Hazards Acute and Chronic:ACUTE: INHAL: VERY HIGH
CONC--NARCOSIS, ASPHYXIATION, DEATH & CARDIAC ARRHYTHMIAS. ABUSE
(SNIFFING) HAS CAUSED DEATH. INGESTION: FREEZING/SEVERE FROSTBITE
W/CONTACTED TISSUE. SKIN/EYES: LOCAL IRRITATI ON. CONTACT WITH
LIQUID--FROSTBITE/FREEZING. CHRONIC: INHALATION: ANIMAL--BODY

WEIGHT CHANGES, PHYSIOLOGICAL ENDURANCE
Effects of Overexposure:LIGHTHEADEDNESS & HEART PALPITATIONS. & AFFECTS
LUNGS, CENTRAL NERVOUS SYSTEM, HEART, LIVER, KIDNEYS & SPLEEN.
UNDER CERTAIN CONDITIONS, ANIMAL INDICATED INCREASED BLOOD
PRESSURE, FASTER HEART RATE & BREATHING CHANGES. RAT FETUSES
EXPOSED SHOWED INCREASED INCIDENCES OF ABSENCE OF EYES.
Medical Cond Aggravated by Exposure:PERSONS WITH HEART OR RESPIRATORY
DISORDERS MAY BE SUSCEPTABLE TO ASPHYXIATION & CARDIAC AR

RHYTHMIAS.

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

First Aid:INHALATION: REMOVE TO FRESH AIR. KEEP WARM & AT REST. LABORED BREATHING--GIVE OXYGEN. NO BREATH, START ARTIF RESPIRATION. NO PULSE, START CPR. DON'T GIVE ADRENALINE/EPINEPHRINE/HAND- HELD ASTHMA AEROS OLS. CALL DR. REST 24 HRS. EYES: VAPOR:FLUSH W/WATER FOR 20 MIN. LIQUID: FLUSH SKIN/EYES 15 MIN W/WTR/SALINE. STILL IRRIT, CALL DR. INGEST: FROSTBITE: WARM SKIN SLOWLY. GET TO DR IMMEDIATELY.

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

Flash Point:NONE.
Fire Fighting Procedures:USE SELF-CONTAINED BREATHING APPARATUS. IF CFC-502 CONTACTS OPEN FLAMES OR EXTREMELY HOT METAL SURFACES, MAY DECOMPOSE--HF, HCL & TRACES OF CARBONYL HALIDES.

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

Spill Release Procedures:IN THE EVENT OF A SPILL OR LEAK KEEP UPWIND. VENTILATE ENCLOSED SPACES UNTIL GAS IS DISPERSED. DO NOT SMOKE OR OPERATE INTERNAL COMBUSTION ENGINES IN IMMEDIATE VICINITY.

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

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