

RACON -- RACON 11,FREON 11,CFC-11,REFRIGERANT 11 -  
TRICHLOROTRIFLUOROMETHANE, TECHNICAL  
MATERIAL SAFETY DATA SHEET

FSC: 6830

NIIN: 000794694

Manufacturer's CAGE: 2A580

Part No. Indicator: A

Part Number/Trade Name: RACON 11,FREON 11,CFC-11,REFRIGERANT 11

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General Information

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Item Name: TRICHLOROTRIFLUOROMETHANE, TECHNICAL

Company's Name: RACON INCORPORATED

Company's Street: 6040 S RIDGE RD

Company's P. O. Box: 198

Company's City: WICHITA

Company's State: KS

Company's Country: US

Company's Zip Code: 67201

Company's Emerg Ph #: 415-821-5338

Company's Info Ph #: 800-835-2916/316-524-3245

Record No. For Safety Entry: 003

Tot Safety Entries This Stk#: 006

Status: SE

Date MSDS Prepared: 07APR89

Safety Data Review Date: 21DEC89

Supply Item Manager: CX

MSDS Preparer's Name: VICE PRESIDENT OF MFRG

MSDS Serial Number: BHFXR

Specification Number: BB-F-1421B

Spec Type, Grade, Class: TYPE II

Hazard Characteristic Code: N1

Unit Of Issue: DR

Unit Of Issue Container Qty: 100 POUNDS

Type Of Container: DRUM

Net Unit Weight: 100 POUNDS

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Ingredients/Identity Information

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Proprietary: NO

Ingredient: TRICHLOROFLUOROMETHANE (CFC-11) (SARA III)

Ingredient Sequence Number: 01

Percent: 100

NIOSH (RTECS) Number: PB6125000

CAS Number: 75-69-4

OSHA PEL: 1000 PPM  
ACGIH TLV: C, 1000 PPM; 9293  
Other Recommended Limit: NOT ESTABLISHED

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#### Physical/Chemical Characteristics

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Appearance And Odor: COLORLESS LIQUID, VERY SLIGHT ETHEREAL TO ODORLESS.  
Boiling Point: 74.9F, 23.8C  
Vapor Pressure (MM Hg/70 F): 791  
Vapor Density (Air=1): 5.14  
Specific Gravity: 5.14  
Evaporation Rate And Ref: UNKNOWN  
Solubility In Water: INSOLUBLE  
Percent Volatiles By Volume: 100

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#### Fire and Explosion Hazard Data

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Extinguishing Media: USE CARBON DIOXIDE, FOAM, DRY CHEMICAL, OR WATER FOG.  
Special Fire Fighting Proc: FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.  
Unusual Fire And Expl Hazrds: FIRE OR EXCESSIVE HEAT MAY CAUSE PRODUCTION OF HAZARDOUS DECOMPOSITION PRODUCTS.

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#### Reactivity Data

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Stability: YES  
Cond To Avoid (Stability): EXTREMELY HOT METAL SURFACES OR OPEN FLAMES.  
Materials To Avoid: CERTAIN ELASTOMETERS, ALKALI, ALKALINE EARTH METALS, POWDERED ALUMINUM, ZINC, BERYLLIUM, SODIUM, POTASSIUM AND BARIUM.  
Hazardous Decomp Products: MAY DECOMPOSE TO FORM HIGHLY TOXIC AND IRRITATING HYDROGEN CHLORIDE, HYDROGEN FLUORIDE AND TRACES OF PHOSGENE.  
Hazardous Poly Occur: NO  
Conditions To Avoid (Poly): NOT APPLICABLE

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#### Health Hazard Data

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Route Of Entry - Inhalation: YES  
Route Of Entry - Skin: YES  
Route Of Entry - Ingestion: NO  
NARCOTIC EFFECTS, UNCONSCIOUSNESS, RAPID HEART BEAT.  
INGESTION: IRRITATION.  
COORDINATION SYMPTOMS. CARDIAC EFFECTS-CAPABLE OF SENSITIZING THE

HEART TO INJECTED EPINEPHRINE.

Carcinogenicity - NTP: NO

Carcinogenicity - IARC: NO

Carcinogenicity - OSHA: NO

Explanation Carcinogenicity: NOT LISTED AS A CARCINOGEN BY NTP, IARC OR OSHA ASPHYXIATION, CARDIAC ARRHYTHMIAS. INGESTION: IRRITATION TO GASTRIC OR DIGESTIVE TRACTS.

Med Cond Aggravated By Exp: INDIVIDUALS WITH HEART OR RESPIRATORY DISORDERS MAY PROVE ESPECIALLY SUSCEPTIBLE.

Emergency/First Aid Proc: EYES/SKIN: FLUSH WITH WATER FOR AT LEAST 15 MINUTES. IF IRRITATION PERSISTS, SEE DOCTOR. INHALATION: REMOVE TO FRESH AIR. IF LARGE QUANTITIES ARE INGESTED, GASTRIC EMPTYING MIGHT BE RECOMMENDED. SEE DOCTOR.

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#### Precautions for Safe Handling and Use

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Steps If Matl Released/Spill: VENTILATE ENCLOSED SPACES UNTIL GAS IS DISPERSED. USE RESPIRATOR AND PROTECTIVE CLOTHING. ABSORB IN INERT MATERIAL AND PLACE IN APPROPRIATE DISPOSAL CONTAINER AND SEAL. FLUSH AREA WITH LARGE AMOUNTS OF WATER.

Neutralizing Agent: NONE

Waste Disposal Method: CONTACT YOUR LOCAL ENVIRONMENTAL OFFICER. DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

Precautions-Handling/Storing: STORE AND USE WITH ADEQUATE VENTILATION. NEVER USE IN A CLOSED OR CONFINED SPACE. STORE IN COOL PLACE (<120F, 49C).

Other Precautions: DO NOT BREATHE VAPORS. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. NOT FOR FOOD, DRUG, OR COSMETIC USE.

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#### Control Measures

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Respiratory Protection: NOT NEEDED IF CONCENTRATIONS ARE CONTROLLED. IF TLV IS EXCEEDED USE NIOSH-APPROVED RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE OR SCBA AS APPROPRIATE FOR EXPOSURE OF CONCERN.

Ventilation: MECHANICAL AND/OR LOCAL EXHAUST TO KEEP CONCENTRATION BELOW TLV.

Protective Gloves: CLOTH-LINED RUBBER GLOVES.

Eye Protection: GOGGLES/FULL FACE SHIELD IF SPLASHING.

Other Protective Equipment: APRON AND WORK CLOTHING TO MINIMIZE EXPOSURE. EYE WASH STATION & SAFETY SHOWER RECOMMENDED.

Work Hygienic Practices: WASH THOROUGHLY AFTER USE AND BEFORE EATING, SMOKING OR USING TOILET FACILITIES. DO NOT BREATHE VAPORS OR MIST.

Suppl. Safety & Health Data: TARGET ORGANS ARE EYES, SKIN, CENTRAL NERVOUS SYSTEM AND HEART.

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### Transportation Data

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Trans Data Review Date: 90002

DOT PSN Code: ZZZ

DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

IMO PSN Code: ZZZ

IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION

IATA PSN Code: ZZZ

IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

AFI PSN Code: ZZZ

AFI Prop. Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

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### Disposal Data

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### Label Data

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Label Required: YES

Label Status: G

Common Name: RACON 11,FREON 11,CFC-11,REFRIGERANT 11

NARCOTIC EFFECTS,UNCONSCIOUSNESS,RAPID HEART BEAT.

INGESTION:IRRITATION. COORDINATION SYMPTOMS. CARDIAC

EFFECTS-CAPABLE OF SENSITIZING THE HEART TO INJECTED EPINEPHRINE.

EYES/SKIN: IRRITATION. INHALATION:ASPHYXIATION,CARDIAC ARRHYTHMIAS.

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Label Emergency Number: 415-821-5338

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