View NSN Online: https://aerobasegroup.com/nsn/4940-00-825-0198

Product ID:REFRIGERANT 11, FREON 11 (SEE SUPP DATA) MSDS Date:04/07/1989 FSC:4940 NIIN:00-825-0198 MSDS Number: BJFPZ === Responsible Party === Company Name: RACON INC Address:6040 S RIDGE RD **City:WICHITA** State:KS ZIP:67201 Country:US Info Phone Num:800-835-2916 316-835-2916 **Emergency Pho** ne Num:415-821-5338 CAGE:FO608 === 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: GENERAL ELECTRIC CO, INSTRUMENT PRODUCTS OPNS Address:50 FORDHAM RD Box:City:WILMINGTON State:MA ZIP:01887-2146 Country:US Phone:617-937-4101 CAGE:97424 **Company Name: RACON INC** Box:198 City:WICHITA State:KS ZIP:67201 Phone: (415) 821-5338 CAGE:FO6

08 Company Name:YOKOGAWA ELECTROFACT BV Address:3800 AD, RADIUMWEG 30 Box:City:AMERSFOORT THE NETHERLANDS Phone:404-253-7000 CAGE:60336

Ingred Name:TRICHLOROFLUOROMETHANE (CFC-11) (SARA III) CAS:75-69-4 RTECS #:PB6125000 Fraction by Wt: 100% OSHA PEL:1000 PPM ACGIH TLV:C, 1000 PPM; 9293 EPA Rpt Qty:5000 LBS DOT Rpt Qty:5000 LBS Ozone Depleting Chemical:1

LD50 LC50 Mixture:LC50(RAT)150,000PPM;(RBT)250,000PPM Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO Health Hazards Acute and Chronic:INHALE:RELATIVELY NON-TOXIC FOLLOWING ACUTE EXPOSURE. CARDIOVASCULAR AND RESPIRATORY SYSTEMS ARE THE PRIMARY SYSTEMS AFFECTED. AT HIGH CONC, SERIOUS & SOMETIMES FATAL IRREGULAR HEART BEATS. NOTE:SNIFF ING FOR INTOXICATING EFFECTS HAS PRODUCED OVER 100 DEATHS. Explanation of Carcinogenici ty:NOT RELEVANT Effects of Overexposure:INHALE:EXPOSURE TO LARGE SPILL, EXPERIENCE VARYING NARCOTIC EFFECTS INCLUDING UNCONSCIOUSNESS,RAPID HEART BEAT. EYES:MILD IRRITATION OF THE MUCOUS MEMBRANES. Medical Cond Aggravated by Exposure:CARDIOVASCULAR AND RESPIRATORY

SYSTEMS ARE THE PRIMARY SYSTEMS AFFECTED. (MFR)

First Aid:INHALE:REMOVE TO FRESH AIR. KEEP WARM & AT REST. IF BRTHNG DFCLT GIVE OXYGEN. IF NOT BRTHN

G GIVE CPR. DO NOT GIVE STIMULANTS. CALL MD. EYES: (VAPOR) FLUSH W/WATER FOR 20 MIN. (LIQ) FLUSH THOROUGHLY 10-15 MIN W/LUKEWARM WATER/BALANCED SALINE SOLN. GET MD. SKIN:(LIQ)WILL REMOVE NATURAL OILS AND CAN IRRITATE DRY, SENSITIVE SKIN. INGEST: (LIQ) IRRITATION TO GASTRIC OR DIGESTIVE TRACTS IN LGE QUANT. GET MD. Extinguishing Media:NONFLAMMABLE AND NONEXPLOSIVE. Fire Fighting Procedures: USE NIOSH/MSHA APPROVE D SCBA AND FULL PROTECTIVE EQUIPMENT. Unusual Fire/Explosion Hazard: THERMAL DECOMPOSITION PRODUCTS MAY INCLUDE HCL AND PHOSGENE . Spill Release Procedures: KEEP UPWIND. VENTILATE ENCLOSED SPACES UNTIL GAS IS DISPERSED. DO NOT SMOKE OR OPERATE INTERNAL COMBUSTION ENGINES IN IMMEDIATE VICINITY. Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER. Handling and Storage Precautions: STORE W/ADEQ VENT IN COOL PLACE. NEVER USE IN CLSED/CONFINED SPACE.DO NOT USE NEAR ARC WELDING, OPEN FLAMES OR HOT SURFACES. SEE OTHER PRECAUTIONS. Other Precautions: HNDLNG/STOR: HEAT OR UV RADIATION MAY CAUSE FORMATION OF HCL AND/OR PHOSGENE. Respiratory Protection: RESP PROTECTION IS NOT NEEDED IF CONC ARE CONTROLLED. IF CONC EXCEED TLV(1,000PPM) USE NIOSH/MSHA AN APPROVED R ESPIRATOR FOR ORGANIC VAPOR. IN VERY HIGH CONC USE SCBA. Ventilation: LOCAL EXHAUST MAY BE NECESSARY TO REDUCE CONCENTRATIONS BELOW TLV(1,000PPM) Protective Gloves: USE CLOTH-LINED RUBBER GLOVES. Eye Protection: USE CHEMICAL GOGGLES & FULL FACE SHIELD. Other Protective Equipment: PROTECTIVE CLOTHING SHOULD MINIMIZE EXPOSED SKIN. Work Hygienic Practices: NO SMOKING IN AREA OF USE. Supplemental Safety and Health DO NOT BREATHE VAPORS. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. NOT FOR FOO

D, DRUG OR COSMETIC USE. TRADE NAME (CON'T):GENETRON 11, FLUOROCARBON 11, CFC-11, R-11.

HCC:N1 Boiling Pt:B.P. Text:74.9F 23.8C Vapor Pres:.6PSIG@77F Vapor Density:.39 16/FT3 Spec Gravity:1.48 @ 77F Solubility in Water: INSOLUBLE Appearance and Odor: COLORLESS LIQUID, VERY SLIGHT ETHEREAL TO ODORLESS. Percent Volatiles by Volume:100 Stability Indicator/Ma terials to Avoid:YES AVOID CERTAIN ELASTOMERS, ALKALI AND ALKALINE EARTH METALS, POWDERED ALUMINUM, ZINC, BERYLLIUM. Stability Condition to Avoid: CONTACT W/OPEN FLAMES OR EXTREMELY HOT METAL SURFACES AS PROD MAY DECOMPOSE TO FORM HF, HCI & TRACES OF CARBONYL HALIDES. Hazardous Decomposition Products: CONTACT WITH OPEN FLAME OR HOT METAL SURFACES, MAY DECOMPOSE TO FORM HF, HCI & TRACES OF CARBONYL HALIDES AND/OR PHOSGENE

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Waste Disposal Methods:DISPOSE OF I/A/W FEDERAL, STATE AND LOCAL REGULATIONS. .

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