View NSN Online: https://aerobasegroup.es/nsn/6850-00-105-3084

Product ID:FREON TF MSDS Date:07/25/1990 FSC:6850 NIIN:00-105-3084 **MSDS Number: BPHFR** === Responsible Party === Company Name: VAN WATERS AND ROGERS Address:1600 NORTH BLDG. City:SEATTLE State:WA ZIP:93104-1564 Country:US Info Phone Num:408-435-8700 Emergency Phone Num:408-435-8700 OR 303-338-5651 CAGE:87664 == = Contractor Identification === Company Name: CHEMICAL COMMODITIES AGENCY, INC. Address:27447 PACIFIC STREET Box:City:HIGHLAND State:CA ZIP:92346-2640 Country:US Phone:909-864-2310 CAGE:60777 Company Name: VAN WATERS AND ROGERS INC., UNIVAR CORP. Address:1600 NORTON BLDG. 801 2ND AVENUE Box:City:SEATTLE State:WA ZIP:98104-1564 Country:US Phone:206-447-5911/800-424-9300(CHEMTREC) CAGE:87664

Ingred Name:1,1,2-TRICHLORO-1,2,2-TRIF

LUOROETHANE (FREON 113) (SARA III) CAS:76-13-1 RTECS #:KJ4000000 Fraction by Wt: >99% OSHA PEL:1000PPM/1250STEL ACGIH TLV:1000PPM/1250STEL9192 Ozone Depleting Chemical:1

LD50 LC50 Mixture:LD50 (ORAL RAT) IS 43 G/KG Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO Health Hazards Acute and Chronic:ACUTE: VAPORS ARE HEAVIER THAN AIR AND CAN CAUSE SUFFOCATION BY REDUCING OXYGEN AVAILABLE FOR BREATHING. BREATHING VAPORS PLUS EPINEPHRIN TYPE DRUGS MAY CAUSE CARDIAC IRREGULARITIES. CHRONIC: NO SPEC IFIC INFORMATION AVAILABLE. Explanation of Carcinogenicity:NONE OF THE CHEMICALS IN THIS PRODUCT IS LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN. Effects of Overexposure:INHALE: LIGHT-HEADEDNESS, GIDDINESS, SHORTNESS OF BREATH, NARCOSIS, CARDIAC IRREGULARITIES, UNCONSCIOUSNESS OR DEATH. EYE: IRRITATION. SKIN:NOTHING WITH BRIEF EXPOSURE;BUT POSSIBLE IRRITATION AFTER PR OLONGED CONTACT. INGEST: LARGE QUANTITIES MAY CAUSE NAUSEA AND VOMITING.

Medical Cond Aggravated by Exposure:CARDIOVASCULAR DISEASE MAY BE AGGRAVATED.

First Aid:INHALATION: REMOVE SUBJECT TO FRESH AIR. MAINTIAN BREATHING. EYE: FLUSH WITH PLENTY OF WATER FOR 15 MINUTES. GET IMMEDIATE MEDICAL ATTENTION. SKIN: WASH WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHI NG AND SHOES. I F IRRITATION PERSISTS, SEE DR.

INGESTION: DO NOT INDUCE VOMITING. GET IMMEDIATE MEDICAL ATTENTION. NOTHING BY MOUTH IF UNCONSCIOUS OR CONVULSING.

Flash Point:NONE Extinguishing Media:THIS MATERIAL IS NOT COMBUSTABLE. USE EXTINGUISHING MEDIA APPPROPRIATE FOR SURROUNDING FIRE. Fire Fighting Procedures:FIRE FIGHTERS SHOULD WEAR SCBA & FULL PROTECTIVE CLOTHING. USE WATER SPRAY TO COOL NEARBY CONTAINERS & STR UCTURES EXPOSED TO FIRE. Unusual Fire/Explosion Hazard: EXTINGUISH ALL NEARBY SOURCES OF IGNITION SINCE VAPORS DECOMPOSE TO HAZARDOUS PRODUCTS AT HIGH TEMPERATURES. Spill Release Procedures: WIPE OR SOAK UP SMALL SPILLS WITH PAPER TOWEL OR INERT ABSORBANT. DIKE TO RETAIN LARGE SPILLS. VACUUM UP FREE LIQUID. REMOVE RESIDUE WITH INERT ABSORBANT. PLACE IN DOT DISPOSAL CONTAINER. KEEP OUT OF SEWERS, STORM DRAINS, SUR FACE WATERS, SOIL. Neutralizing Agent:NO INFORMATION GIVEN ON MSDS BY SUPPLIER Handling and Storage Precautions:STORE IN COOL, DRY, WELL VENTILATED AREA. KEEP CONTAINERS CLOSED. STORE AWAY FROM OTHER CHEMICALS. DO NOT USE PRESSURE TO EMPTY CONTAINER. Other Precautions: 'EMPTY' CONTAINERS MAY CONTAIN RESIDUE OR VAPOR. TREAT THEM WITH THE RESPECT DUE FULL ONES. DO NOT CUT, WELD, ETC. ON THEM. VAPORS ARE HEAVIER THAN AIR & COLLECT IN LOW PLACES. DO NOT ENTER WHERE VAPORS ARE EXPECTED W/O SCBA & OBSERVER. Respiratory Protection: WEAR NIOSH APPROVED SCBA OR SUPPLIED AIR RESPIRATOR IF CONDITIONS OF USE GENERATE VAPORS OR MISTS. Ventilation: MECHANICAL (GENERAL) VENTILATION CAPEABLE OF MAINTAINING EMISSIONS AT THE POINT BELOS THE PEL. Protective Gloves: RUBBER Eye Protection: CHEMICAL SAFETY GOGGLES Other Protective Equipment: SAFETY S HOWER AND EYE BATH. LONG SLEEVED SHIRT, TROUSERES, SAFETY SHOES, RUBBER APRON.ED OR REPEATED CONTACT. Work Hygienic Practices: MFR: ? HMIS: USE GOOD CHEMICAL HYGIENE PRACTICE. AVOID UNNECESSARY CONTACT. WASH THOROUGHLY BEFORE EATING OR DRINKING. Supplemental Safety and Health MSDS RECEIVED FROM NAVY (FOCAL POINT N). NAVY IDENTIFIED NSN.

HCC:V2 NRC/State Lic Num:NONE Boiling Pt:=47.8C, 118.F Melt/Freeze Pt:=-35.C , -31.F Vapor Pres:334 MM Vapor Density:2.9 Spec Gravity:1.57 Evaporation Rate & amp; Reference:>1 (BUTYL ACETATE=1) Solubility in Water:NIL Appearance and Odor:CLEAR, COLORLESS LIQUID WITH SLIGHT ETHEREAL ODOR.

Stability Indicator/Materials to Avoid:YES ALKALIS, OXIDIZING MATERIALS, WATER & MOIST AIR, ALKALI OR ALKALINE EARTH METALS, ALUMINUM OR ZINC. Stability Condition to Avoid:OPEN FLAMES, WELDING ARCS, OR OTHER HIGH

TEMPERATURE SOURCES WHICH MAY INDUCE THERMAL DECOMPOSITION. Hazardous Decomposition Products:MAY LIBERATE CARBON MONOXIDE, CARBON DIOXIDE, HYDROGEN CHLORIDE, CHLORINE, PHOSGENE, OR HYDROGEN FLOURIDE.

- Waste Disposal Methods:DISPOSE OF CONTAMINATED PRODUCT AND MATERIALS USED IN CLEANING UP SPILLS AND LEAKS IN A MANNER APPROVED FOR THIS MATERIAL.CONSULT APPROPRIATE FEDERAL STATE AND LOCAL REGULATIORY AGENCIE
- S TO ACERTAIN P ROPER DISPOSAL PROCEDURES.

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