

UNIVAR CORP VAN WATERS AND ROGERS INC -- P1117 FREON TA -- 6850-01-209-3924

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

Product ID:P1117 FREON TA

MSDS Date:01/05/1990

FSC:6850

NIIN:01-209-3924

MSDS Number: BTPLD

=== Responsible Party ===

Company Name:UNIVAR CORP VAN WATERS AND ROGERS INC

Address:1600 NORTON BLDG 801 2ND AVE

Box:34325

City:SEATTLE

State:WA

ZIP:98124-1325

Country:US

Info Phone Num:303-388-56

51/206-889-3400

Emergency Phone Num:303-388-5651/206-889-3400

CAGE:GO055

=== Contractor Identification ===

Company Name:UNIVAR CORP VAN WATERS/ROGERS INC

Address:1600 NORTON BLDG 801 2ND AVE

City:SEATTLE

State:WA

ZIP:98104-1564

Country:US

Phone:206 447-5911

CAGE:GO055

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

===== Composition/Inf

ormation on Ingredients =====

Ingred Name:FREON 113, 1,1,2,-TRICHLORO-1,2,2,-TRIFLUOROETHANE,  
TRICHLOROTRIFLUOROETHANE

CAS:76-13-1

RTECS #:KJ4000000

Fraction by Wt: 89%

Other REC Limits:1000 PPM

OSHA PEL:1000 PPM

ACGIH TLV:1000 PPM

Ozone Depleting Chemical:1

Ingred Name:ACETONE; DIMETHYL KETONE; 2-PROPANONE

CAS:67-64-1

RTECS #:AL3150000

Fraction by Wt: 11%

OSHA PEL:2400 MG/CUM

ACGIH TLV:750 PPM

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

===== Hazards Identification

=====

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EYES: IRRITATION. PROLONGED/REPEATED  
EXPOSURE BY INHALATION CAUSES CARDIAC IRREGULARITIES & DEATH.  
VAPORS ARE HEAVIER THAN AIR & CAN CAUSE SUFFOCATION BY REDUCING  
OXYGEN AVAILABLE FOR BREATHING. SKIN: IRRITATION AFTER PROLONGED  
CONTACT.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:LIGHT HEADEDNESS, GI  
DDINESS, SHORTNESS OF

BREATH, NARCOSIS, UNCONSCIOUSNESS, SUFFOCATION, NAUSEA, VOMITING,  
IRRITATION.

Medical Cond Aggravated by Exposure:CARDIOVASCULAR DISEASE

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

First Aid:INHALATION: REMOVE TO FRESH AIR. GIVE CPR IF NECESSARY. EYES:  
FLUSH W/PLENTY OF WATER FOR 15 MINUTES. SKIN: WASH W/PLENTY OF SOAP  
& WATER. INGESTION: DON'T INDUCE VOMITING. IF CONSCIOUS, GIVE  
PLENTY O F WATER/MILK. DON'T GIVE ANYTHING BY MO

UTH TO UNCONSCIOUS

PERSON. OBTAIN MEDICAL ATTENTION IN ALL CASES. (SEE SUPPLEMENTAL DATA)

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

Extinguishing Media:USE MEDIA APPROPRIATE FOR SURROUNDING FIRE

Fire Fighting Procedures:WEAR SCBA & FULL PROTECTIVE CLOTHING. USE WATER SPRAY TO COOL NEARBY CONTAINERS & STRUCTURES EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:WATER WILL EXTRACT A FLAMMABLE CO-SOLVENT WHICH WILL FORM A FLAMMABLE SUPERNATANT LAYER.

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

Spill Release Procedures:EXTINGUISH IGNITION SOURCES. SMALL: MOP/WIPE UP/DISPOSE OF IN DOT-APPROVED WASTE CONTAINER. LARGE: CONTAIN/DIKE W/SOIL/OTHER NON-COMBUSTIBLE ABSORBENT MATERIAL. PLACE ABSORBENT/RESIDUE IN DOT-APPROVED WASTE CONTAINER. KEEP OUT OF WATERWAYS.

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

Handling and Storage Precautions:STORE IN COOL, DRY WELL VENTILATED PLACE. STORE AWAY FROM IGNITION SOURCES. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. DON'T GET INTO EYES.

Other Precautions:DON'T USE PRESSURE TO EMPTY CONTAINERS. DON'T GET ON CLOTHING/SKIN. DON'T HEAT CLOSED CONTAINERS >125F. DON'T CUT/GRIND/WELD/DRILL/NEAR THIS CONTAINER. DON'T WEAR CONTACT LENSES.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:NIOSH APPROVED SCBA IN PRESSURE DEMAND MODE, SUPPLIED AIR RESPIRATOR

Ventilation:LOCAL MECHANICAL EXHAUST

Protective Gloves:RUBBER

Eye Protection:CHEMICAL GOGGLES/

Other Protective Equipment:LONG SLEEVED SHIRT, TROUSERS, SAFETY SHOES, RUBBER APRON, EYEWASH, SAFETY SHOWER

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING. REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

NOTE TO PHYSICIAN: RISK OF ELICITING CARDIAC DYSRHYTHMIAS/CATECHOLAMINE DRUGS/SUCH AS EPINEPHRINE/SHOULD BE CONSIDERED ONLY AS LAST RESORT IN LIFE THREATENING EMERGENCY

IES. VAPORS ARE HEAVIER THAN AIR/W ILL  
COLLECT IN LOW PLACES. DON'T ENTER PLACES WHERE VAPORS ARE AT  
UNLESS WEARING PROTECTIVE EQUIPMENT.

===== Physical/Chemical Properties =====

Boiling Pt:B.P. Text:110.5F  
Melt/Freeze Pt:M.P/F.P Text:-150F  
Vapor Pres:380  
Vapor Density:2.6  
Spec Gravity:1.41  
Evaporation Rate & Reference:(BU AC =1): >1  
Solubility in Water:INSOLUBLE  
Appearance and Odor:CLEAR, COLORLESS LIQUID W/FAINT SOLVENT ODOR

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES  
ALKALIS, OXIDIZING MATERIALS, WATER, MOIST AIR, ALKALINE EARTH METALS,  
POWERED ALUMINUM, ZINC.  
Stability Condition to Avoid:OPEN FLAMES, WELDING ARCS, HIGH  
TEMPERATURES, TEMP >125F & OTHER IGNITION SOURCES  
Hazardous Decomposition Products:CO, CO2, HYDROGEN CHLORIDE, CHLORINE,  
PHOSGENE, HYDROGEN FLOURIDE

===== Disposal Considerations =====

Waste Disposal Methods:DISP  
USE OF CONTAMINATED PRODUCT & MATERIALS USED  
IN CLEANING UP SPILLS/LEAKS. EMPTY CONTAINERS CAN HAVE RESIDUES,  
GASES, MISTS & AREA SUBJECT TO PROPER WASTE DISPOSAL. DISPOSE OF  
IAW/FEDERAL, STATE & LOCAL REGULATIONS.

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