

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

Information 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. STOR

E 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 EMERGENC

IES. VAPORS ARE HEAVIER THAN AIR/WILL  
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, CO<sub>2</sub>, HYDROGEN CHLORIDE, CHLORINE,  
PHOSGENE, HYDROGEN FLUORIDE

===== 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.

Disclaimer (provided with this information by the compiling agencies):  
This information is formulated for use by elements of the Department  
of Defense. The United States of America in no manner whatsoever,  
expressly or implied, warrants this information to be accurate and  
disclaims all liability for its use. Any person utilizing this  
document should seek competent professional advice to verify and  
assume responsibility for the suitability of this information to their  
particular situation.