

VAN WATERS & ROGERS INC. SUB. OF UNIVAR -- PETROLEUM ETHER TECH,O-E-751B --  
6810-00-584-3079

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

Product ID:PETROLEUM ETHER TECH,O-E-751B

MSDS Date:02/01/1993

FSC:6810

NIIN:00-584-3079

MSDS Number: BRGWV

=== Responsible Party ===

Company Name:VAN WATERS & ROGERS INC. SUB. OF UNIVAR

Address:1600 NORTON BLDG.

City:SEATTLE

State:WA

ZIP:98104

Country:US

Info Phone Num:4

08-435-8700

Emergency Phone Num:408-435-8700

Preparer's Name:C. A. EISENHARD

Chemtec Ind/Phone:(800)424-9300

CAGE:6E838

=== 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 & ROGERS INC. SUB. OF UNIVAR

Address:1600 NORTON BLDG.

Box:City:SEATTLE

State:WA

ZIP:98104-1564

Country:US

Phone:408-435-8700/800-424-9300(CHEMTREC)

CAGE:6E838

=

=====  
Composition/Information on Ingredients  
=====

Ingred Name:PENTANE  
CAS:109-66-0  
RTECS #:RZ9450000  
Fraction by Wt: 72.8%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:1000 PPM/750 STEL  
ACGIH TLV:600 PPM/750STEL;9293

Ingred Name:ISOHEXANE/2-METHYL PENTANE  
CAS:107-83-5  
RTECS #:SA2995000  
Fraction by Wt: 2.3%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:3-METHYL PENTANE  
CAS:96-14-0  
RTECS #:SA2995500  
Fraction by Wt: 5.4%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:CYCLOPENTANE  
  
CAS:287-92-3  
RTECS #:GY2390000  
Fraction by Wt: 2.5%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:600 PPM  
ACGIH TLV:600 PPM; 9293

Ingred Name:NEOHEXANE/2,2 DIMETHYLBUTANE  
CAS:75-83-2  
RTECS #:EJ9300000  
Fraction by Wt: 3.5%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:2,3-DIMETHYLBUTANE  
CAS:79-29-8  
RTECS #:EJ9350000  
Fraction by Wt: 3.4%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:ISOPENTANE  
CAS:78-78-4  
RTECS #:EK4430000  
Fraction by Wt: 1.7%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:CIS-2-

PENTENE  
CAS:627-20-3  
Fraction by Wt: 0.1%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:HEXANE (N-HEXANE)  
CAS:110-54-3  
RTECS #:MN9275000  
Fraction by Wt: 0.2%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:500 PPM  
ACGIH TLV:50 PPM; 9293  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:UNIDENTIFIED COMPONENT  
Fraction by Wt: 0.1%  
Other REC Limits:NONE RECOMMENDED

=====  
===== Hazards Identification =====

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS UNKNOWN.  
Routes of Entry: Inhalation  
Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE- VAPORS AND MISTS MAY CAUSE  
DISORIENTATION, INCOORDINATION, HYPERSENSITIVITY, COMA,  
UNCONSCIOUSNESS AND DEATH. CHRONIC- OVEREXPOSURE CAN CAUSE POSSIBLE  
IRREVERSIBLE NERVE DAMAGE.  
Effects of Overexposure:HEADACHE, DIZZINESS, NAUSEA, VOMITING,  
HEMORRHAGING OF MUCOUS MEMBRANES, DIARRHEA, CHEMICAL PNEUMONITIS,  
PULMONARY EDEMA, IRRITATION OF EYES, SKIN AND RESPIRATORY TRACT,  
DRY SKIN  
Medical Cond Aggravated by Exposure:NONE REPORTED

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

First Aid:GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. SKIN:REMOVE  
CONTAMINATED CLOTHING. WASH SKIN WITH SOAP & WATER. EYE:FLUSH WITH  
WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN. INHALED:REMOVE TO FRESH  
AIR. PROVIDE OXYGEN/CPR IF NEEDED. ORAL:DO NOT INDUCE VOMITING. IF  
VOMITING OCCURS SPONTANEOUSLY, KEEP HEAD BELOW HIPS TO PREVENT

ASPIRATION OF LIQUID INTO LUNGS. GET MEDICAL ATTENTION.

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

Flash Point Method:TCC

Flash Point:=-45.6C, -50.F

Lower Limits:1.1

Upper Limits:5.9

Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, FOAM. DO NOT USE WATER. PRODUCT WILL FLOAT ON WATER AND MAY REIGNITE ON THE SURFACE.

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:VAPOR IS HEAVIER THAN AIR AND CAN TRAVEL CONSIDERABLE DISTANCE TO A SOURCE OF IGNITION AND FLASH BACK. CONTAINERS MAY RUPTURE DUE TO VAPOR PRESSURE BUILDUP.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. ELIMINATE SOURCES OF IGNITION. VENTILATE AREA. CONTAIN SPILL. PICK UP SPILL WITH NON-FLAMMABLE ABSORBENT MATERIAL SUCH AS SAND. PLACE IN CONTAINER FOR DISPOSAL. PREVENT LIQUID FROM ENTERING SEWERS, WATERWAYS OR LOW AREAS.

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE IN COOL, DRY, WELL VENTILATED AREA AWAY FROM SPARKS, FLAMES, SOURCES OF IGNITION & OXIDIZERS. USE ONLY NON-SPARKING TOOLS.

Other Precautions:"EMPTY" CONTAINERS RETAIN RESIDUE AND CAN BE DANGEROUS. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL OR EXPOSE

UCH CONTAINERS TO HEAT, FLAME, SPARKS. THEY MAY EXPLODE AND CAUSE INJURY/DEATH. KEEP OUT OF REACH OF CHILDREN.

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

Respiratory Protection:WEAR NIOSH APPROVED RESPIRATOR WITH ORGANIC FILTER IF VENTILATION IS INADEQUATE OR A SUPPLIED AIR RESPIRATOR OPERATED IN THE PRESSURE DEMAND MODE.

Ventilation:MECHANICAL (GENERAL AND/OR LOCAL EXHAUST, EXPLOSION-PROOF) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Glo

ves:RUBBER IF SKIN CONTACT POSSIBLE.

Eye Protection:CHEMICAL GOGGLES OR RESPIRATOR

Other Protective Equipment:WEAR PROTECTIVE CLOTHING IN CASE OF REPEATED OR PROLONGED CONTACT. PROVIDE EYE WASH & SAFETY SHOWER.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING. REMOVE & LAUNDRER CONTAMINATED CLOTHING.

Supplemental Safety and Health

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

HCC:F2

Boiling Pt:=36.1C, 97.F

B.P. Text:97F - 138F

Melt/Freeze Pt:M.P/F.P Text:NOT KNOWN

Decomp Temp:Decomp Text:NOT KNOWN

Vapor Pres:NOT KNOWN

Vapor Density:2.5

Spec Gravity:0.64

Evaporation Rate & Reference:>1 (N-BUTYL ACETATE=1)

Solubility in Water:NIL

Appearance and Odor:COLORLESS LIQUID - GASOLINE ODOR

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

Stability Indicator/Materials to Avoid:YES

OXIDIZING AGENTS, OXYGEN, ACIDS

Stability Condition to Avoid:HEAT, SPARKS, FLAME, STATIC ELECTRICITY, HOT SURFACES

Hazardous Decomposition Products:CARB ON MONOXIDE AND CARBON DIOXIDE

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

Waste Disposal Methods:ALL RECOVERED MATERIAL SHOULD BE PACKAGED, LABELED, TRANSPORTED AND DISPOSED OR RECLAIMED IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL 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, expre

ssly 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.