

VAN WATERS AND ROGERS INC DIV OF UNIVAR CORP -- PETROLEUM ETHER, A.C.S. --
6810-00-584-3079

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

Product ID:PETROLEUM ETHER, A.C.S.
MSDS Date:01/15/1991
FSC:6810
NIIN:00-584-3079
MSDS Number: BHPFR
=== Responsible Party ===
Company Name:VAN WATERS AND ROGERS INC DIV OF UNIVAR CORP
Address:2256 JUNCTION AVENUE
City:SAN JOSE
State:CA
ZIP:95131
Country:US
Info Phone Num
:408-435-8700 OR 801-424-9300
Emergency Phone Num:800-424-9300(CHEMTREC)
Preparer's Name:C.A. EISENHARD
CAGE:0AN91
=== 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
Address:2256 JUNCTION AVE
City:SAN JOSE
State:CA
ZIP:95131
Country:US
Phone:408-435-8700/800-424-9300(CHEMTREC)
CAGE:0AN91

===== Composition/Inform

ation on Ingredients =====

Ingred Name:PENTANE

CAS:109-66-0

RTECS #:RZ9450000

Fraction by Wt: 72.8%

OSHA PEL:1000 PPM/750 STEL

ACGIH TLV:600 PPM/750STEL;9293

Ingred Name:2-METHYL PENTANE

CAS:107-83-5

RTECS #:SA2995000

Fraction by Wt: 2.3%

OSHA PEL:500 PPM/1000 STEL

ACGIH TLV:500 PPM/1000STEL8990

Ingred Name:3-METHYL PENTANE

CAS:96-14-0

RTECS #:SA2995500

Fraction by Wt: 5.4%

OSHA PEL:500 PPM/1000 STEL

ACGIH TLV:500 PPM/1000STEL8990

Ingred Name:CYCLOPENTANE

CAS:287-92-3

RTECS #:GY2390

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Fraction by Wt: 2.5%

OSHA PEL:600 PPM

ACGIH TLV:600 PPM; 9192

Ingred Name:2,2-DIMETHYL BUTANE

CAS:75-83-2

RTECS #:EJ9300000

Fraction by Wt: 3.5%

OSHA PEL:500 PPM/1000 STEL

ACGIH TLV:500 PPM/1000STEL8990

Ingred Name:2,3-DIMETHYL BUTANE

CAS:79-29-8

RTECS #:EJ9350000

Fraction by Wt: 3.4%

OSHA PEL:500 PPM/1000 STEL

ACGIH TLV:500 PPM/1000STEL8990

Ingred Name:ISOPENTANE

CAS:78-78-4

RTECS #:EK4430000

Fraction by Wt: 1.7%

Ingred Name:CIS-2-PENTENE

CAS:627-20-3

Fraction by Wt: 0.1%

Ingred Name:H

EXANE (N-HEXANE)
CAS:110-54-3
RTECS #:MN9275000
Fraction by Wt: 0.2%
OSHA PEL:500 PPM
ACGIH TLV:50 PPM; 9293
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:UNIDENTIFIED COMPONENTS, VARIOUS
Fraction by Wt: 0.1% %
Other REC Limits:NONE SPECIFIED

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

LD50 LC50 Mixture:28,700 MG/KG RAT ORAL LD50
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chroni
c:RESPIRATORY TRACT IRRITATION, CENTRAL
NERVOUS SYSTEM DISTURBANCES, EYE IRRITATION, SKIN IRRITATION,
DERMATITIS, GASTROINTESTINAL DISTURBANCES, CHEMICAL PNEUMONITIS,
PULMONARY EDEMA/HEMORRHAGE, CHRONIC OVEREXPOSURE CAN CAUSE
POSSIBLY IRREVERSIBLE NERVE DAMAGE.
Explanation of Carcinogenicity:PRODUCT CONTAINS NO INGREDIENTS
CURRENTLY CLASSIFIED AS CARCINOGENIC BY NTP, IARC OR OSHA.
Effects of Overexposure:NOSE/THROAT IRRITATION, HEADACHES, NAUSEA,
VOMITING, COMA, DISORIENT
ATION, DROWSINESS, INCOORDINATION,
HYPERSENSITIVITY, TREMOR, HYPERACTIVITY, ANESTHESIA,
UNCONSCIOUSNESS, DEATH, EYE/SKIN IRRITATION, DERMATITIS,
HEMORRHAGING OF MUCOUS MEMBRANE, PERIPHERAL POLYNEUROPATHY.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHALATION: REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION
IF NOT BREATHING. GET IMMEDIATE MEDICAL ATTENTION. EYES:
IMMEDIATELY FLUSH EYES WITH LOTS OF RUNNING WATER FOR 15 MINUTES.
GET IMMEDIATE MEDICAL ATTENTION. SKIN: IMMEDIATELY WASH SKIN WITH
SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND SHOES. GET MEDICAL
ATTENTION IF IRRITATION PERSISTS. INGESTION: DO NOT INDUCE
VOMITING. GET DOCTOR.

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

Flash Point:-50F,-46C
Lower Limits:1.1 %
Upper Limits:5.9 %
Extinguishing Media:USE DRY CHEMICAL, ALCOHOL FOAM OR CARBON DIOXIDE.
DO NOT

DO NOT USE WATER TO FIGHT FIRE.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING. USE WATER SPRAY TO COOL NEARBY CONTAINERS AND STRUCTURES.

Unusual Fire/Explosion Hazard:EXTINGUISH ALL NEARBY SOURCES OF IGNITION. AVOID ACCUMULATION OF WATER BECAUSE THIS PRODUCT WILL FLOAT ON WATER AND MAY REIGNITE ON THE SURFACE OF THE WATER.

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

Spill Release Procedures

:WEAR PROTECTIVE EQUIPMENT. EXTINGUISH ALL IGNITION SOURCES AND ENSURE THAT ALL HANDLING EQUIPMENT IS ELECTRICALLY GROUNDED. MOP OR WIE UP AND CONTAINERIZE OR ABSORB WITH NON-COMBUSTIBLE SORBENT MATERI AL. KEEP OUT OF SEWERS, STORM DRAINS, SURFACE WATR

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:KEEP AWAY FROM HEAT, SPARKS AND FLAMES. STORE IN A COOL, DRY, WELL-VENTILATED PLACE AWAY FROM INCOMPATIBLE MATERIALS.

Other Precautions:VENT CONTAINER FREQUENTLY AND MORE OFTEN IN WARM WEATHER TO RELIEVE PRESSURE. ELECTRICALLY GROUND ALL EQUIPMENT WHEN HANDLING THIS PRODUCT AND USE ONLY NON-SPARKING TOOLS. KEEP CONTAINER TIGHTLY CLOSE D WHEN NOT IN USE.

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

Respiratory Protection:IF USE CONDITIONS GENERATE VAPORS OR MISTS, WEAR A NIOSH-APPROVED RESPIRATOR APPROPRIATE FOR THOSE EMISS ION LEVELS.

APPROPRIATE RESPIRATORS MAY BE A FULL FACE PIECE OR HALF MASK AIR PURIFYING CARTRIDG E RESPIRATOR EQUIPPED FOR ORGANIC VAPORS

Ventilation:LOCAL MECHANICAL VENTILATION CAPABLE OF MAINTAINING EMISSIONS AT THE POINT OF USE BELOW THE LOWEST PEL

Protective Gloves:NEOPRENE

Eye Protection:CHEMICAL GOGGLES

Other Protective Equipment:LONG-SLEEVED SHIRT, TROUSERS, SAFETY SHOES, NEOPRENE GLOVES, NEOPRENE APRONS, EYEWASH STATION, EMERGENCY SHOWER.

Work Hygienic Practices:WASH

CONTAMINATED CLOTHING BEFORE REUSE. WASH WITH SOAP AND WATER AFTER HANDLING PRODUCT.

Supplemental Safety and Health

DO NOT USE PRESSURE TO EMPTY CONTAINERS. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. DO NOT CUT, DRILL, GRIND OR WELD ON OR NEAR THIS CONTAINER. CONTAINERS, EVEN THOSE THAT HAVE BEEN EMPTIED, WILL RETAIN A RESIDUE AND VAPORS. ALWAYS OBEY HAZARD WARNINGS AND HANDLE EMPTY CONTAINERS AS IF THEY WERE FULL.

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Physical/Chemical Properties
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HCC:F2

Boiling Pt:=36.C, 96.1F

Vapor Pres:760 MMHG

Vapor Density:2.5

Spec Gravity:0.64

Evaporation Rate & Reference:1 (BUTYL ACETATE = 1)

Solubility in Water:NEGLIGIBLE

Appearance and Odor:CLEAR, COLORLESS LIQUID; GASOLINE ODOR

Percent Volatiles by Volume:100

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Stability and Reactivity Data
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Stability Indicator/Materials to Avoid:YES

ACIDS, OXIDIZING MATERIALS, OXYGEN.

Stability Condition to Avoid:HEAT, SPARKS AND OPEN FLAMES

Hazardous Decomp

osition Products:MAY LIBERATE CARBON MONOXIDE AND CARBON DIOXIDE

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Disposal Considerations
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Waste Disposal Methods:DISPOSE OF CONTAMINATED PRODUCT AND MATERIALS USED IN CLEANING UP SPILLS OR LEAKS IN A MANNER APPROVED FOR THIS MATERIAL. CONSULT APPROPRIATE FEDERAL, STATE AND LOCAL REGULATORY AGENCIES TO ASCERTAIN PROPER DISPOSAL PROCEDURES.

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