

VAN WATERS AND ROGERS INC -- PETROLEUM ETHER(LIGROINE) -- 6810-00-051-5872

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Product Identification  
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Product ID:PETROLEUM ETHER(LIGROINE)

MSDS Date:08/27/1989

FSC:6810

NIIN:00-051-5872

MSDS Number: BHJLT

=== Responsible Party ===

Company Name:VAN WATERS AND ROGERS INC

Address:2600 CAMPUS DRIVE

Box:5932

City:SAN MATEO

State:CA

ZIP:94403-2522

Country:US

Info Phone Num:415-573-8000 OR 714-

864-2310(DIST)

Emergency Phone Num:415-573-8000 OR 408-435-8700

Preparer's Name:NOT PROVIDED

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

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Composition/Information on I

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 #:GY2390000

Fracti

on 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:HEXANE (N-H

EXANE)  
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:OTHER COMPONENTS (TYPE NOT SPECIFIED)  
Fraction by Wt: 0.1%

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

LD50 LC50 Mixture:LD50 (ORAL RAT) :28,700 MG/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:IRRITATION OF  
EYES,SKIN  
,RESPIRATORY OR G.I.TRACTS;CNS EFFECTS LIKE  
HEADACHE,DIZZINESS,NAUSEA,VOMITING AND POSSIBLE  
UNCONSCIOUSNESS;CHRONIC:DRYING OF SKIN,DEFATTING OR DERMATITIS  
POSSIBLE CNS DAM AGE OR KIDNEY FAILURE.  
Explanation of Carcinogenicity:DATA PER MSDS  
Effects of Overexposure:SEE HEALTH HAZARDS DATA.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED;PERSONS WITH A  
HISTORY OF AILMENTS OR WITH A PRE-EXISTING DISEASE INVOLVING THE  
EYES, SKIN, OR RESPIRATORY TRACT MAY BE AT INCREASED RISK FR  
OM  
EXPOSURE.

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

First Aid:INHALATION:REMOVE TO FRESH AIR. RESUSCITATE IF NOT BREATHING.  
GET MEDICAL ATTENTION. EYES:IMMEDIATELY FLUSH WITH PLENTY OF WATER  
FOR 15 MINUTES HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION.  
SKIN:REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. IF  
IRRITATION PERSISTS, GET MEDICAL ADVICE. INGESTION:DO NOT INDUCE  
VOMITING. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. GET IMMEDIATE  
MEDICAL ATTENTION.

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

Flash Point Method:TCC  
Flash Point:=-45.4C, -50.F  
Lower Limits:1.1  
Upper Limits:5.9  
Extinguishing Media:USE CARBON DIOXIDE, FOAM, DRY CHEMICAL.DO NOT USE  
WATER.  
Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA &  
FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER  
SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.  
Unusual Fire/Explosion Hazard:VAPORS MAY EXPLOD

E OR IGNITE;FIRE OR  
EXCESSIVE HEAT MAY CAUSE PRODUCTION OF HAZARDOUS DECOMPOSITION  
PRODUCTS.AVOID OPEN FLAMES OR SPARKS.

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

Spill Release Procedures:USE PROPER PERSONAL PROTECTION;REMOVE ALL  
IGNITION SOURCES;CONTAIN FREE MATERIAL IF POSSIBLE;USE SUITABLE  
INERT ABSORBENT MATERIAL AND RECOVER FOR PROPER DISPOSAL IN AN  
APPROVED CONTAINER.MATERIAL IS HIGHLY FLAMMABLE,USE NECESSARY  
PRECAUTIONS.

Neutralizing Agent:NOT APPLICABLE.

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

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL VENTILATED  
AREA. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. PROTECT  
CONTAINERS FROM PHYSICAL DAMAGE.

Other Precautions:DO NOT TAKE INTERNALLY. DO NOT BREATHE MIST. AVOID  
PROLONGED OR REPEATED BREATHING OF VAPOR. AVOID CONTACT WITH EYES.  
USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING.DO  
NOT CUT,WELD OR GRIND/  
DRILL.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR FOR ORGANIC  
VAPORS/MIST AS REQUIRED IF ABOVE PEL/TLV OR SCBA IN AN ENCLOSED  
AREA.

Ventilation:LOCAL/GENERAL TO MAINTAIN PEL/TLV.

Protective Gloves:NEOPRENE, NITRILE, OR NATURAL RUBBER

Eye Protection:SAFETY GOGGLES WITH OPTIONAL FACE SHIELD

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER,WORK  
CLOTHING AND APRON AS REQUIRED.

Work Hygienic

Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND  
RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR  
FOOTWEAR.

Supplemental Safety and Health

AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT GET ON SKIN OR IN EYES. DO  
NOT BREATHE VAPORS OR MISTS.EMPTY CONTAINERS MAY CONTAIN SOME  
RESIDUE,HANDLE CAREFULLY AS HIGHLY FLAMMABLE.

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

HCC:F2

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:=36.1C, 97.F

Vapor Pres:760

MMHG

Vapor Density:2.5

Spec Gravity:0.64

Evaporation Rate & Reference:>1.0(N-BUTYL ACETATE = 1)

Solubility in Water:NEGLIGIBLE

Appearance and Odor:COLORLESS LIQUID

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

Stability Indicator/Materials to Avoid:YES

ACIDS,STRONG OXIDIZING AGENTS,OXYGEN.

Stability Condition to Avoid:HIGH TEMPERATURES, SPARKS, AND OPEN FLAMES

Hazardous Decomposition Products:CARBON MONOXIDE AND CARBON DIOXIDE.

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

Waste Disposal Methods:CONSULT LOCAL AUTHORITIES.DISPOSAL MUST BE MADE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

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