

VAN WATERS & ROGERS -- PETROLEUM ETHER ACS -- 6810-00-584-3079

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Product Identification
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Product ID:PETROLEUM ETHER ACS

MSDS Date:01/01/1997

FSC:6810

NIIN:00-584-3079

MSDS Number: CDZFW

=== Responsible Party ===

Company Name:VAN WATERS & ROGERS

Address:1575 MARLBOROUGH DR

City:RIVERSIDE

State:CA

ZIP:92507-2029

Country:US

Info Phone Num:714-864-2310/800-424-9300(CHEMTREC)

Emergency Phone

Num:714-864-2310/800-424-9300(CHEMTREC)

Preparer's Name:C.A. EISENHARD

CAGE:8N933

=== 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

Address:1575 MARLBOROUGH DR

Box:City:RIVERSIDE

State:CA

ZIP:92507-2029

Country:US

CAGE:8N933

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Composition/Information on Ingredients
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Ingred Name:PENTANE

CAS:109-

66-0
RTECS #:RZ9450000
Fraction by Wt: 72.8%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:1000 PPM
ACGIH TLV:600 PPM/750STEL;9596

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
AC
GIH TLV:600 PPM; 9596

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)

(CERCLA)
CAS:110-54-3
RTECS #:MN9275000
Fraction by Wt: 0.2%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:500 PPM
ACGIH TLV:50 PPM; 9596
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

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

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS 28,700 MG/KG.
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health

Hazards Acute and Chronic:TARGET ORGANS:EYE, SKIN, CNS, LUNG.

ACUTE- MAY CAUSE EYE IRRITATION, SKIN DEFATTING & DERMATITIS.
INGESTION MAY CAUSE VOMITING; ASPIRATION INTO LUNGS MAY CAUSE LUNG
DAMAGE. INHALATION MAY CAUSE CNS EF FECTS. OVEREXPOSURE MAY CAUSE
UNCONSCIOUSNESS, DEATH. CHRONIC- MAY CAUSE DERMATITIS, PERMANENT
BRAIN & CNS DAMAGE.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:IRRITATION, DRY SKIN, TEARING, BLURRED VISION,
REDNESS, DEFATTING, DERMATI
TIS, HEADACHE, DIZZINESS, WEAKNESS,

FATIGUE, NAUSEA, VOMITING, DIARRHEA, UNCONSCIOUSNESS, DEATH

Medical Cond Aggravated by Exposure:INDIVIDUALS WITH PRE-EXISTING
DISEASES OF THE EYE, SKIN, RESPIRATORY TRACT, BRAIN, CNS MAY HAVE
INCREASED SUSCEPTIBILITY TO THE TOXICITY OF EXCESSIVE EXPOSURES.

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

First Aid:GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALED:REMOVE TO FRESH
AIR. PROVIDE CPR/OXYGEN IF NEEDED. EYES:FLUSH WI

TH WATER FOR 15

MINUTES. HOLD EYELIDS OPEN. SKIN:WASH WITH PLENTY OF SOAP & WATER.

ORAL:DO NOT INDUCE VOMITING. SEEK IMMEDIATE MEDICAL ATTENTION. IF
VOMITING OCCURS, KEEP HEAD BELOW HIPS. DO NOT GIVE ANYTHING BY
MOUTH TO AN UNCONSCIOUS PERSON.

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

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

Lower Limits:1.1

Upper Limits:5.9

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE (CO2), ALCOHOL FOAM
OR DRY CHEMICAL. USE WATER SPRAY

TO COOL FIRE EXPOSED CONTAINERS.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A NIOSH-APPROVED SELF CONTAINED BREATHING APPARATUS OPERATED IN 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. REMOVE SPILL WITH NON-FLAMMABLE ABSORBENT SUCH AS SAND/CLAY. PLACE IN CONTAINER FOR DISPOSAL. WASH SPILL SITE AFTER PICK UP IS COMPLETE. PREVENT LIQUID FROM ENTERINGSEWERS.

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE IN TIGHTLY CLOSED CONTAINERS IN VENTILATED AREA AWAY FROM IGNITION SOURCES & INCOMPATIBLES. KEEP OUT OF REACH OF CHILDREN.

Other Precautions:FLAMMABLE. "EMPTY" CONTAINERS RETAIN RESIDUE AND CAN BE DANGEROUS. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER OR DRILL. AVOID BREATHING VAPORS. DO NOT GET IN EYE, ON SKIN OR ON CLOTHING. AVOID DIRECT SUN. DO NOT INGEST.

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

Respiratory Protection:IF TLV IS EXCEEDED OR FOR SYMPTOMS OF OVER EXPOSURE, WEAR NIOSH-APPROVED ORGANIC VAPOR RESPIRATOR OR AIR-SUPPLIED RESPIRATOR.

R. IN EMERGENCY, WEAR A NIOSH-APPROVED POSITIVE-PRESSURE SELF-CONTAINED BREATHING APPARATUS.

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

Protective Gloves:NITRILE RUBBER OR POLYVINYL ALCOHOL

Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES

Other Protective Equipment:EYE WASH STATION & SAFETY SHOWERS SHOULD BE AVAILABLE IN THE IMMEDIATE VICINITY OF ANY POTENTIAL EXPOSURE. LAB COAT

Work Hygienic Practices

es:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH AFTER HANDLING AND BEFORE EATING OR DRINKING.

Supplemental Safety and Health

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

HCC:F2

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:=36.1C, 97.F

B.P. Text:97F - 138F

Vapor Pres:760

Vapor Density:2.5

Spec Gravity:0.64

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

Solubility in Water:NIL

Appearance and Odor:CLEAR, COLORLESS LIQUID - GASOLIN

E ODOR

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, OXYGEN, ACIDS

Stability Condition to Avoid:HIGH HEAT, SPARKS, OPEN FLAMES, HOT METAL

SURFACES AND OTHER SOURCES OF IGNITION

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATION

S. INCINERATION WITH ENERGY RECOVERY IS RECOMMENDED.

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