

UNION OIL OF CALIFORNIA UNOCAL CHEMICALS DIVISION -- THINNER 23049 -- 6810-00-584-3079

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

Product ID:THINNER 23049

MSDS Date:11/28/1989

FSC:6810

NIIN:00-584-3079

MSDS Number: BHYJQ

=== Responsible Party ===

Company Name:UNION OIL OF CALIFORNIA UNOCAL CHEMICALS DIVISION

Address:1345 N MEACHAM

City:SCHAUMBURG

State:IL

ZIP:60196

Country:US

Info Phone Num:708-619-2644

Emergency Phone Num:708-619-2644/800-356-3129 (LA PIC)

CAGE:IO438

=== Contractor Identification ===

Company Name:SANCHEZ & ASSOCIATES

Address:476 WEST FOGG STREET

Box:1649

City:COLTON (MAY BE OUT OF BUSINESS !)

State:CA

ZIP:92324

Country:US

Phone:714-370-3921/FAX824-0341 ALL WRONG#

CAGE:0HF19

Company Name:UNION OIL CO OF CALIFORNIA, CORP. DIV-EASTERN

Address:1650 EAST GOLF ROAD

Box:City:SCHAUMBURG

State:IL

ZIP:60195

Country:US

Phone:708-619-2644

CAGE:77416

Company Name:UNION OIL OF CALIFORNIA

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Address:1201 WEST 5TH ST
City:LOS ANGELES
State:CA
ZIP:90017
Country:US
Phone:213-977-7589
CAGE:IO438

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Composition/Information on Ingredients
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Ingred Name:HEXANE (N-HEXANE)
CAS:110-54-3
RTECS #:MN9275000
Other REC Limits:NONE SPECIFIED
OSHA PEL:500 PPM
ACGIH TLV:50 PPM; 9293
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:OTHER HEXANE ISOMERS
Other REC Limits:NONE SPECIFIED
OSHA PEL:500 PPM
ACGIH TLV:500 PPM

Ingred Name:PENTANE
CAS:109-66-0
RTECS #:RZ9450000
Other RE
C Limits:NONE SPECIFIED
OSHA PEL:1000 PPM/750 STEL
ACGIH TLV:600 PPM/750STEL;9293

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Hazards Identification
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE EFFECTS: MILD EYE AND SKIN
IRRITATION. SKIN ABSORPTION POSSIBLE, BUT TOXICITY SYMPTOMS NOT
ANTICIPATED. ALTHOUGH THIS MATERIAL HAS LOW DEGREE OF TOXICITY,
INHALATION OR INGESTION OF LARG

E AMOUNT S MAY AFFECT THE CENTRAL NERVOUS SYSTEM AND DAMAGE PERIPHERAL NERVES. CHRONIC EFFECTS: PERMANENT NERVOUS SYSTEM DAMAGE.
Effects of Overexposure: EYES: MILD IRRITATION, STINGING, TEARING, REDNESS. SKIN: MILD SKIN IRRITATION, REDNESS, BURNING, DRYING, CRACKING. INHALATION: NOSE AND THROAT IRRITATION, HEADACHE, DROWSINESS, DIZZINESS, LOSS OF COORDINATION, FATIGUE, NAUSEA. INGESTION: DIGESTIVE TRACT IRRITATION, HEADACHE, DROWSINESS, DIZZINESS, LOSS OF COORDINATION, FATIGUE.

Medical

Conditions Aggravated by Exposure: INDIVIDUALS WITH PREEXISTING RESPIRATORY OR HEART DISORDERS MAY BE MORE AT RISK BY EXPOSURE TO THIS MATERIAL.

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First Aid Measures
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First Aid: EYES: FLUSH WITH PLENTY OF WATER FOR 15 MINUTES. SEE DOCTOR. SKIN: REMOVE CONTAMINATED CLOTHING AND SHOES. WASH WITH SOAP AND WATER. SEE DOCTOR. INHALATION: REMOVE VICTIM TO FRESH AIR. GIVE OXYGEN/CPR IF NEEDED. SEE DOCTOR. INGESTION: DO NOT INDUCE VOMIT. NOTHING BY MOUTH. DO NOT LEAVE VICTIM UNATTENDED. SEE DOCTOR.

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Fire Fighting Measures
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Flash Point: -17.8°C, 0°F
Autoignition Temp: Autoignition Temp Text: UNKNOWN
Lower Limits: 1.0
Upper Limits: 8.0
Extinguishing Media: USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.
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: EXTREMELY FLAMMABLE! VAPORS HEAVIER THAN AIR. CAN TRAVEL A LONG DISTANCE TO IGNITION SOURCE AND FLASHBACK. MAY FORM HAZARDOUS DECOMPOSITION PRODUCTS.

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Accidental Release Measures
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Spill Release Procedures: ELIMINATE IGNITION SOURCES. VENTILATE AREA. USE NON-SPARKING TOOLS. WEAR PROPER PROTECTIVE EQUIPMENT. STOP LEAK. ABSORB IN INERT ABSORBENT AND PLACE INTO APPROPRIATE DISPOSAL CONTAINER AND SEAL.

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

Handling and Storage Precautions:STORE IN COOL, DRY, WELL VENTILATED PLACE, AWAY FROM HEAT, IGNITION SOURCES AND INCOMPATIBLE MATERIALS. KEEP CONTAINERS CLOSED WHEN NOT IN USE.

Other Precautions: AVOID BREATHING VAPORS, AND EYE AND SKIN CONTACT. USE ONLY WITH ADEQUATE VENTILATION. DO NOT TAKE INTERNALLY. BOND AND GROUND WHEN TRANSFERRING TO ANOTHER CONTAINER. DO NOT GRIND, WELD OR EXPOSE TO IGNITION SOURCES. CONTAINERS MAY EXPLODE.

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

Respiratory Protection: NIOSH/MSHA RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE APPROPRIATE FOR EXPOSURE OF CONCERN OR SCBA IF PEL IS EXCEEDED.

Ventilation: MECHANICAL (GENERAL) AND/OR LOCAL EXHAUST VENTILATION TO MAINTAIN EXPOSURE BELOW PEL. USE EXPLOSION-PROOF EQUIPMENT.

Protective Gloves: RUBBER

Eye Protection: SAFETY GLASSES W/SIDE SHIELDS.

Other Protective Equipment: FULL WORK CLOTHING TO PREVENT REPEATED OR PROLONGED SKIN CONTACT. EYE WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices: AVOID CONTACT WITH EYES & SKIN. DO NOT BREATHE VAPORS. WASH THOROUGHLY AFTER HANDLING. LAUNDRY CONTAMINATED CLOTHING.

Supplemental Safety and Health

ASPIRATION HAZARD: ONE OR MORE COMPONENTS OF THIS MATERIAL CAN ENTER LUNGS DURING SWALLOWING OR VOMITING AND CAUSE LUNG INFLAMMATION AND DAMAGE.

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

HCC:F1

Boiling Pt: =33.9C, 93.F

Vap

or Pres: 436

Vapor Density: 2.51

Spec Gravity: 0.634

Evaporation Rate & Reference: 0.08

Solubility in Water: 0.1%

Appearance and Odor: CLEAR LIQUID. LITTLE ODOR.

Percent Volatiles by Volume: 100

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

Stability Indicator/Materials to Avoid: YES

STRONG ACIDS OR BASES, OXIDIZING AGENTS, SELECTED AMINES.

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

Hazardous Decomposition Products: CARBON MONOXIDE, CARBON DIOXIDE,

OTHER
UNIDENTIFIED ORGANIC PRODUCTS.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE
FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

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