

UNION OIL CO OF CALIFORNIA -- UNOCAL UNLEADED PLUS 87 M/H GRADE -- 9130-01-272-0983

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Product Identification
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Product ID:UNOCAL UNLEADED PLUS 87 M/H GRADE

MSDS Date:04/17/1991

FSC:9130

NIIN:01-272-0983

MSDS Number: BPMMD

=== Responsible Party ===

Company Name:UNION OIL CO OF CALIFORNIA

Address:461 S BOYLSTON ST

Box:7600

City:LOS ANGELES

State:CA

ZIP:90017-1443

Country:US

Info Phone Num:2

13-977-7589/800-356-3129CONTROL CN

Emergency Phone Num:202-483-7616/800-424-9300(CHEMTREC)

CAGE:79003

=== Contractor Identification ===

Company Name:UNION OIL CO OF CA UNION 76 DIV- WESTERN RGIION

Address:1201 W 5TH ST

Box:7600

City:LOS ANGELES

State:CA

ZIP:90017-1443

Country:US

CAGE:79003

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Composition/Information on Ingredients
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Ingred Name:GASOLINE

CAS:8006-61-9

RTECS #:LX3300000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:300 PPM/500 STEL

ACGIH TLV:300 PPM/500STEL;

9293

Ingred Name: BENZENE (SARA III)
CAS: 71-43-2
RTECS #: CY1400000
Fraction by Wt: 1 - 5%
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 1PPM/5STEL; 1910.1028
ACGIH TLV: 10 PPM; A2; 9293
EPA Rpt Qty: 10 LBS
DOT Rpt Qty: 10 LBS

Ingred Name: TOLUENE (SARA III)
CAS: 108-88-3
RTECS #: XS5250000
Fraction by Wt: 1 - 9%
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 200 PPM/150 STEL
ACGIH TLV: 50 PPM; 9293
EPA Rpt Qty: 1000 LBS
DOT Rpt Qty: 1000 LBS

Ingred Name: XYLENES (O-,M-,P- ISOMERS) (SARA III)
CAS: 1330-20-7
RTE
CS #: ZE2100000
Fraction by Wt: 1 - 14%
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 100 PPM/150 STEL
ACGIH TLV: 100 PPM/150 STEL; 9293
EPA Rpt Qty: 1000 LBS
DOT Rpt Qty: 1000 LBS

Ingred Name: HEXANE (N-HEXANE)
CAS: 110-54-3
RTECS #: MN9275000
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: ETHYL BENZENE (SARA III)
CAS: 100-41-4
RTECS #: DA0700000
Fraction by Wt: 1 - 5%
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 100 PPM/125 STEL
ACGIH

TLV:100 PPM/125STEL 9293
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:1,2,4-TRIMETHYLBENZENE (SARA III)
CAS:95-63-6
RTECS #:DC3325000
Fraction by Wt: 1 - 5%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:25 PPM
ACGIH TLV:25 PPM; 9293

Ingred Name:METHYL TERT-BUTYL ETHER (SARA III)
CAS:1634-04-4
RTECS #:KN5250000
Fraction by Wt: 0 - 10%
Other REC Limits:NONE RECOMMENDED
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

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

Routes of Entr

y: Inhalation:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES

Health Hazards Acute and Chronic:ACUTE-HIGH VAPOR CONCENTRATIONS MAY
CAUSE CNS

DEPRESSION;I.E.HEADACHE,NAUSEA,DROWSINESS,DIZZINESS.ACCIDENTAL
INGESTION MAY CAUSE SIMILAR SYMPTOMS.IT IS AN ASPIRATION HAZARD.MAY
CAUSE EYE IRRITATION,RE DNESS,TEARING & BURNING.PROLONGED/REPEATED
SKIN CONTACT CAN CAUSE IRRITATION,DEFATTING &
DERMATITIS.CHRONIC-DERMATITIS.

Explanation of Carcino

genicity:CONTAINS BENZENE.MAY CAUSE BLOOD

DISEASES INCLUDING LEUKEMIA.VAPORS MAY CAUSE KIDNEY CANCER IN MALE
RATS.

Effects of Overexposure:HIGH VAPOR CONCENTRATIONS MAY CAUSE CNS

DEPRESSION; I.E. HEADACHE, NAUSEA, DROWSINESS, DIZZINESS.
ACCIDENTAL INGESTION MAY CAUSE SIMILAR SYMPTOMS. IT IS AN
ASPIRATION HAZARD. MAY CAUSE EYE IRRITATION, REDNESS, TEARING &
BURNING. PROLONGED/REPEATED SKIN CONTACT CAN CAUSE IRRITATION,
DEFATTING & DERMATITIS.

Medical Cond Aggravated b

y Exposure: PERSONS WITH PRE-EXISTING SKIN DISORDERS OR IMPAIRED RESPIRATORY FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THE SUBSTANCE.

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

First Aid: CALL A PHYSICIAN IN ALL CASES. EYES: IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN. SKIN: WASH WITH SOAP & WATER. INHALED: REMOVE TO FRESH AIR & PROVIDE CPR/OXYGEN IF NECESSARY. ORAL: DO NOT INDUCE VOMITING. CALL A PHYSICIAN IMMEDIATELY. IF CONSCIOUS, DRINK MILK OR WATER.

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

Flash Point Method: TCC
Flash Point: -45F, -43C
Extinguishing Media: USE WATER FOG, CARBON DIOXIDE, FOAM, DRY CHEMICAL OR HALON. WATER MAY BE INEFFECTIVE.
Fire Fighting Procedures: WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT & A FULL FACED SELF CONTAINED BREATHING APPARATUS/SUPPLIED-AIR RESPIRATOR. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.
Unusual Fire/Explosion Hazard: SEVERE FIRE & EXPLOSION HAZARD INDOORS, OUTDOORS OR SEWERS. VAPORS MAY TRAVEL TO IGNITION SOURCE & FLASH BACK. CONTAINERS MAY EXPLODE IN FIRE.

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

Spill Release Procedures: WEAR PROTECTIVE EQUIPMENTS. ELIMINATE ALL SOURCES OF IGNITION. USE EXPLOSION-PROOF TOOLS. SHUT OFF FUEL SOURCE. DIKE SPILL. PREVENT LIQUID FROM ENTERING SEWERS/WATERWAYS. RECOVER FREE LIQUID. ADD SAND, EARTH OR OTHER ABSORBENT MATERIAL. TRANSFER TO CONTAINER.

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

Handling and Storage Precautions: STORAGE-STORE IN ACCORDANCE WITH NATIONAL FIRE PROTECTION ASSOCIATION REGULATIONS. KEEP CONTAINERS CLOSED. HANDLE IN WELL-VENTILATED AREA.
Other Precautions: "EMPTY" CONTAINERS RETAIN RESIDUE AND CAN BE DANGEROUS. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS. THEY MAY EXPLODE AND CAUSE INJURY/DEATH. AVOID REPEATED OR PROLONGED CONTACT

WITH SKIN.

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

Respiratory Protection:NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS OR ORGANIC VAPOR RESPIRATOR OR SUPPLIED-AIR RESPIRATOR, IF NEEDED.

Ventilation:LOCAL/MECHANICAL (GENERAL) VENTILATION - EXPLOSION PROOF, WELL GROUNDED EQUIPMENTS

Protective Gloves:RUBBER

Eye Protection:CHEMICAL SPLASH GOGGLES & FACE SHIELD

Other Protective Equipment:IMPERVIOUS CLOTHING TO AVOID SKIN AND EYE CONTACT. EYE WASH STATION & SAFETY SHOWER.

Work Hygienic Practices:AVOID CONTACT WITH EYES, SKIN OR CLOTHING. WASH HANDS AFTER USING PRODUCT. AVOID BREATHING VAPORS OR MISTS.

Supplemental Safety and Health

NOTE TO PHYSICIAN:EXPOSURE TO HIGH CONCENTRATIONS OF THIS MATERIAL MAY BE ASSOCIATED WITH CARDIAC ARRHYTHMIAS. EPINEPHRINE AND OTHER SYMPATHOMIMETIC DRUGS MAY INITIATE CARDIAC ARRHYTHMIAS IN PERSONS EXPOSED TO THIS MATERIAL.

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

HC

C:F1

Boiling Pt:B.P. Text:85.0F,29.4C

Vapor Density:>1

Spec Gravity:0.75

Evaporation Rate & Reference: