

UNION OIL CO OF CALIFORNIA UNOCAL CHEMICALS DIV -- UNOCAL 76 UNLEADED PLUS 87
GASOLINE,M/H GRADE,PROD#:00406. -- 9130-00-148-7103

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

Product ID:UNOCAL 76 UNLEADED PLUS 87 GASOLINE,M/H GRADE,PROD#:00406.

MSDS Date:11/11/1992

FSC:9130

NIIN:00-148-7103

MSDS Number: BVGZF

=== Responsible Party ===

Company Name:UNION OIL CO OF CALIFORNIA UNOCAL CHEMICALS DIV

Address:1201

W 5TH ST

Box:60455

City:LOS ANGELES

State:CA

ZIP:90060

Country:US

Info Phone Num:213-977-7589

Emergency Phone Num:800-424-9300(CHEMTREC)/800-356-3129

CAGE:23034

=== Contractor Identification ===

Company Name:76 PRODUCTS CO

Address:1201 W 5TH ST

Box:City:LOS ANGELES

State:CA

ZIP:90017

Country:US

Phone:213-977-7589

CAGE:23034

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

Address:1201 W 5TH ST

Box:7600

City:LOS ANGELES

State:CA

ZIP:90017-1443

Country:US

CAGE:79003

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position/Information on Ingredients =====

Ingred Name:GASOLINE
CAS:8006-61-9
RTECS #:LX3300000
Fraction by Wt: 85-100%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:300 PPM
ACGIH TLV:300 PPM/500STEL;9394

Ingred Name:BENZENE (SARA III)
CAS:71-43-2
RTECS #:CY1400000
Fraction by Wt: 1-5%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:SEE 1910.1028
ACGIH TLV:10 PPM; A2; 9394
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

Ingred Name:TOLUENE (SARA III)
CAS:108-88-3
RTECS #:XS5250000
Fraction by Wt: 1-1
5%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:200 PPM; Z-2
ACGIH TLV:S, 50 PPM; 9394
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:XYLENES (O-,M-,P- ISOMERS) (SARA III)
CAS:1330-20-7
RTECS #:ZE2100000
Fraction by Wt: 1-21%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:100 PPM
ACGIH TLV:100 PPM/150STEL;9394
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:HEXANE (N-HEXANE)
CAS:110-54-3
RTECS #:MN9275000
Fraction by Wt: 0-4%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:500 PPM
ACGIH TLV:

50 PPM; 9394
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
ACGIH TLV:100 PPM/125STEL;9394
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:METHYL TERT-BUTYL ETHER (SARA III)
CAS:1634-04-4
RTECS #:KN5250000
Fraction by Wt: 0-15%
Other REC Limits:NONE RECOMMENDED
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

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; 9394

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES
Health Hazards Acute and Chronic:INGEST/INHAL:SLIGHTLY TOXIC.IRRIT OF
NOSE/THORAT/RESP TRACT,CNS DEPRESSION. IRRIT OF DIGESTIVE TRACT,
LUNG INFLAMMATION/DAMAGE IF ENTERS LUNGS. SKIN:MILD IRRIT.PROL/REP

REDNESS/BURNING/DYRING/CRACKING .EYE:IRRITANT;EXPOSURE TO HI CONCEN
MAYASSOC W/CARDIAC ARRHYTHMIAS.EPINEPHRINE/OTHER MAY INITIATE
CARDIA ARRHYTHMIAS.

Explanation of Carcinogenicity:CONTAINS BENZENE. UNLEADED GASOLINE &
GASOLINE ENGINE EXHAUST HAVE BEEN IDENTIFIED AS POSSIBLE
CARCINOGENS BY IARC.

Effects of Overexposure:INGEST:NAUSEA, VOMIT, BLURRED VISION, FLUSHING,
SIGNS OF NSC DEPRESSION, RESP FAILURE, CONVULSIONS, UNCONSC/DEATH.
INHAL:COUGHING, NAUSEA, SIGNS OF CN

S DEPRESSION

(HEADACHE,DROWSINESS,DIZZINESS,LOSS O F COORDINATION, FATIGUE),
SHORTNESS OF BREATH.EYE:STINGING, TEARING, REDNESS,SWELLING.

Medical Cond Aggravated by Exposure:PRE-EXITING SKIN & LUNG (E.G.
ASTHMA-LIKE CONDITIONS) DISORDERS. PRE-EXISTING HEART DISORDERS MAY
BE MORE SUSCEPTIBLE TO IRREG HEARTBEATS (ARRHYTHMIAS).

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

First Aid:EYE:MOVE TO FRESH AIR.FLUSH W/WATER FOR @ LEAST 15MINS
OPENING EYELIDS.G

ET MED ATTN.SKIN:WIPE EXCESS OFF.WASH W/MILD SOAP
& WATER OR WATERLESS SKIN CLEANSER.IRRIT/REDNESS DEVLPS/PERS GET
MED ATTN.INHA L:MOVE TO FRESH AIR.IF SYMP PERSIST GETIMMED MED
ATTN.NOT BREATH GIVE ART RESP.DIFF BREATH GIVE OXY.GET IMMED MED
ATTN.INGEST:POTENTIAL ASPIRATION HAZ.GET EMERG MED
ATTN.DROWSY/UNSCON PLACE (SUPPLE)

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

Flash Point Method:TCC

Flash Point:-45F,-43C

Extinguishing Media:DRY CHEMICAL, CA
RBN DIXOIDE, HALON, FOAM OR WATER

SPRAY IS RECOMMENDED. WATER MAY BE INEFFECTIVE.(NOTE:HALON IS A
ODS).

Fire Fighting Procedures:WEAR APPROPRIATE PROT EQPMT INCLUDING RESP
PROT AS CONDITION WARRANT.WATERSPRAY USEFUL IN MIN/DISPERS VAP/COOL
EQPMT EXPO TO HEAT/FLAME.AVOID SPREADING BURN LIQ

Unusual Fire/Explosion Hazard:EXTREMELY FLAMM.IGN BY
HEAT/SPARKS/ETC.VAP TRAVEL DISTANCES WHERE MAY IGN &
FLASHBACK/EXPLODE.VAP/AIR EXPLOSION HAZ INDOOR/OUTDOOR/SEWER.VAP
HEAVIER TH

AN AIR.

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

Spill Release Procedures:KEEP IGN SOURCES/HOT METAL SURFACES AWAY.STAY
UPWIND.ISOLATE AREA/STOP SPILL W/O RISK.WEAR APPROPRIATE PPE AS
CONDITIONS WARRANT.PREVENT FROM ENTERING SEWER/STORM DRAIN/ETC.IF
SO CALL NAT RESP CNTR 80 0-424-8802.DIKE/ABSORB INTO APPRO
ABSORBENT MATL.

Neutralizing Agent:NONE SPECIFIED BY MFG.

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

Handling and Stora

ge Precautions:KEEP CNTNR TIGHTLY CLOSED.OPEN SLOWLY
TO RELIEVE PRESSURE.USE/STORE IN COOL,DRY,WELL VENTILATED AREAS
AWAY FROM HEAT/DIRECT SUNLIGHT/HOT METAL SUR/ETC

Other Precautions:BOND/GROUND ALL EQPMT WHEN TRANSFERRING FROM VESSEL
TO ANOTHER.STORE ONLY IN APPROVED CNTNR.PROTECT FROM PHYS
DAMAGE.USE EXPLOSION-PROOF EQPMT.DO NOT ENTER CONFINED SPACES W/O
PROPER ENTRY PROCEDURES (ASTM D4276).OUTDOOR/DETACH STORAGE PREF

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===== Exposure Controls/Personal Protection
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Respiratory Protection:THE USE OF RESP PROTECTION IS ADVISED WHEN
CONCEN EXCEED ANY ESTABLISHED EXPOSURE LIMITS. DEPENDING ON
AIRBORNE CONCEN USE RESP OR GAS MASK W/APPROPRIATE CARTRIDGES &
CANNISTERS(NIOSH APPORVED IF AVAI LABLE) OR SUPPLIED AIR EQPMT.

Ventilation:REQUIRED.ADDTN VENTIL/EXHAUST SYS MAY BE REQUIRED IF
CURRENT VENTIL PRACTICES AREN'T ADEQU.EQPMT SHOULD EXPLOSION PROOF.

Protective Gloves:IMPERMEABLE GLOVES.

Eye Protection:SAFETY GLASSES.

Other Protec

tive Equipment:IT IS SUGGESTED THAT SOURCE OF CLEAN WATER
BE AVAILABLE IN WORK AREA FOR FLUSHING EYE/SKIN.IMPERVIOUS CLOTHING
AS NEEDED

Work Hygienic Practices:WASH THOROUGHLY AFT HANDLING.USE GOOD PERSONAL
HYGIENE PTRACTICE.DO NOT WEAR CONTAMIN CLOTH/SHOE.

Supplemental Safety and Health

1ST AID:ON LEFT SIDE,HEAD DOWN.IF CONSC/ALERT INDUCT VOMIT IF INGEST
>5OZ MATL W/SYRUP OF IPECAC UNDER MED ATTN.STORAGE:EMPTY CNTNR
RETAIN RESIDUE & ARE DANGEROUS.DO NOT PRES/CUT/WELD/BRAZE/ET
C SUCH
CN TNR. EMPTY DRUMS SHOULD BE DRAINED/BUNGED/SHIPPED TO
SUPPLIER/DRUM RECONDITIONER.

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

HCC:F1

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

Vapor Density:>1

Spec Gravity:0.74

Evaporation Rate & Reference:>1, N-BUTYL ACETATE=1.

Solubility in Water:NEGLIGIBLE.

Appearance and Odor:CLEAR LIQUID, GASOLINE ODOR.

Percent Volatiles by Volume:100

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

Stability Indica

tor/Materials to Avoid: YES

CONTACT W/STRONG OXIDIZING AGENTS SUCH AS CHLORINE, PERMANGANATES & DICHROMATES MAY CAUSE FIRE OR EXPLOSION.

Stability Condition to Avoid: EXTREMELY FLAMM LIQ/VAP. VAP MAY CAUSE FLASH FIRE. AVOID ALL POSSIBLE SOURCES OF IGNITION.

Hazardous Decomposition Products: COMBUST MAY YIELD SIGNIFICANT AMTS OF CARBON MONOXIDE & SMALL AMTS OF OXIDES OF SULFUR & NITROGEN, BENZENE, OTHER ORG CMPD

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

Waste

Disposal Methods: NOTIFY AUTHORITIES OF SPILLS/RELEASES. DISPOSE OF PRODUCT IN ACCORDANCE W/LOCAL, STATE AND FEDERAL REGULATIONS.

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