

UNION OIL CO OF CALIFORNIA UNOCAL CHEMICALS DIV -- UNOCAL SUPER MOTOR OIL 10W/40 --
9150-00-116-0506

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

Product ID:UNOCAL SUPER MOTOR OIL 10W/40

MSDS Date:05/23/1991

FSC:9150

NIIN:00-116-0506

MSDS Number: BMZQB

=== 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:503-641-3222

Emergency Phone Num:213-977

-7589 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

===== Composition/Information on Ingredients =====

Ingred Name:DISTILLATES, HYDROTREATED HEAVY PARAFFINIC

CAS:64742-54-7

RTECS #:PY8035500

Fraction by Wt: 0-83%

Other REC Limits:NONE SPECIFIED

OSHA PEL:300 PPM

ACGIH TLV:300 PPM

Ingred Name:MINERAL OIL

CAS:64742-65-0

RTECS #:PY80385

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Fraction by Wt: 0-83%
Other REC Limits:NONE SPECIFIED

Ingred Name:TRADE SECRET INFORAMTION
Fraction by Wt: 15.3%
Other REC Limits:NONE SPECIFIED

Ingred Name:PROPRIETARY COMPONENT (ZINC COMPOUND)
Fraction by Wt: 1-2%
Other REC Limits:NONE SPECIFIED

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:PRODUCT IS VERY MILDLY IRRITATING
TO
BODY TISSUES. MOST LIKELY HAZARD IS THAT OF BREATHING THE MIST OR
VAPORS SHOULD THE PRODUCT BE HEATED OR MISTED.
Explanation of Carcinogenicity:THE PRODUCT CONTAINS NO INGREDIENT THAT
IS LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN.
Effects of Overexposure:EYE:MILD IRRITATION. SKIN:POSSIBLE MILD
IRRITATION, AND WITH PROLONGED/REPEATED CONTACT; DEFATTING AND
CRACKING. INHALED:RESPIRATORY IRRITATION,POSSIBLE PULMONARY EDEMA
IF MIST IS INHALED. INGESTED: G/I IRRITATIO
N.
Medical Cond Aggravated by Exposure:NONE REPORTED

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

First Aid:EYE:FLUSH W/WATER 15 MIN, HOLD LIDS OPEN. SKIN:WASH WITH
SOAP & WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDER BEFORE
REUSE. INHALED:REMOVE TO FRESH AIR. RESTORE BREATHING IF
NECESSARY. INGESTED:D O NOT INDUCE VOMITING. GET IMMEDIATE
MEDICAL CARE. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. IF IRRITATION
PERSISTS OR IS SEVERE,SEE A DOCTOR.

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

Flash Point Method:COC
Flash Point:403F,206C
Extinguishing Media:USE CARBON DIOXIDE, FOAM, DRY CHEMICAL, OR WATER
FOG. WATER, ESPECIALLY STREAM, MAY CAUSE FROTHING AND/OR SPREAD
FIRE..
Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A
FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED
CONTAINERS WITH WATER SPRAY.
Unusual Fire/Explosion Hazard:MATERIAL WILL BURN BUT WILL NOT IGNI

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READILY. IT WILL FLOAT ON WATER, SPREADING FIRE. VAPORS ARE HEAVIER THAN AIR AND WILL ACCUMULATE IN LOW AREAS.

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

Spill Release Procedures: ISOLATE HAZARD AREA AND LIMIT ENTRY. ELIMINATE SOURCES OF IGNITION. STOP SPILL IF W/O RISK. USE PROTECTIVE EQUIPMENT. KEEP OUT OF SEWER OR WATERWAY. DIKE AHEAD OF SPILL. ABSORB SPILL ON APPROPRIATE AB SORBENT. CALL 800-424-8802 IF IN NAVIGABLE WATERS.

Neutralizing Agent: NONE

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

Handling and Storage Precautions: STORE IN COOL, DRY, WELL VENTILATED AREA AWAY FROM IGNITION SOURCES AND INCOMPATIBLE MATERIALS. PROTECT FROM PHYSICAL DAMAGE.

Other Precautions: 'EMPTY' CONTAINERS MAY CONTAIN RESIDUE OR VAPOR. TREAT THEM WITH THE RESPECT DUE FULL ONES. DO NOT CUT, WELD, ETC. ON THEM.

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

Respiratory Protection: RESPIRATOR WILL NOT NORMALLY BE NECESSARY. USE NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATOR OR RESPIRATOR FOR OIL IF EXPOSURE IS ABOVE THE TLV/PEL. SEE 29 CFR 1910.134 FOR REGULATIONS PERTAINING TO RESPIRATOR USE.

Ventilation: NORMAL ROOM VENTILATION SHOULD BE SUFFICIENT. SUPPLEMENT WITH LOCAL EXHAUST IF NEEDED (OIL MIST).

Protective Gloves: NEOPRENE OR BUTYL RUBBER (OIL RESISTANT)

Eye Protection: SAFETY GLASSES OR SPLASH GOGGLES

Other Protective Equipment: EYE WASH STATION AND SAFETY SHOWER, AND

IMPERVIOUS CLOTHING AS NEEDED TO PREVENT PROLONGED/REPEATED CONTACT.

Work Hygienic Practices: USE GOOD INDUSTRIAL HYGIENE PRACTICE. MINIMIZE PERSONAL CONTACT. WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

MSDS RECEIVED FROM NAVY (FOCAL POINT N). NAVY IDENTIFIED NSN.

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

HCC: V6

Boiling Pt: B.P. Text: 520F, 271C

Vapor Density: >1

Spec Gravity: 0.88

Viscosity: 84 CST

Evaporation Rate & Reference: