

UNION OIL COMPANY OF CALIFORNI -- UNOCAL WAY OIL HD 220, 04884

=====
MSDS Safety Information
=====

FSC: 9150
NIIN: 01-088-0496
MSDS Date: 08/02/1992
MSDS Num: BQMKF
Product ID: UNOCAL WAY OIL HD 220, 04884
MFN: 01
Responsible Party
Cage: 5W523
Name: UNION OIL COMPANY OF CALIFORNIA
Address: 1201 WEST 5TH ST
City: LOS ANGELES CA 90017
Info Phone Number: 213-977-7589
Emergency Phone Number: 800-356-3129;800-424-9300(CHEMTREC)
Proprietary Ind: Y
Published: Y

=====
Contractor Summary
=====

Cage: 23034
Name: 76 PRODUCTS CO
Address: 1201 W 5TH ST
City: LOS ANGELES CA 90017
Phone: 213-977-7589
Cage: 5W523
Name: UNION OIL COMPANY OF CALIFORNIA
Address: 1345 NORTH MEACHAM ROAD
City: SCHAUMBURG IL 60196
Phone: 800-438-2968

=====
Item Description Information
=====

Item Name: LUBRICATING OIL,GENERAL PURPOSE

=====
Ingredients
=====

Name: *** PROPRIETARY ***

=====
Health Hazards Data
=====

=====

LD50 LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.

Route Of Entry Inds - Inhalation: YES

Skin: YES

Ingestion: YES

Carcinogenicity Inds - NTP: NO

IARC: YES

OSHA: NO

Effects of Exposure: ACUTE: EYE: MATL MAY CAUSE IRRIT. DIRECT CONT W/LIQ/EXPOS TO VAPS/MISTS MAY CAUSE STING, TEAR & RED. SKIN: MATL MAY CAUSE MILD IRRIT. PRLNGD/RPTD CONT MAY CAUSE RED, BURN, & DRY & CRACK OF SKIN. NO HA RMFUL EFTS ARE EXPECTED FROM SKIN ABSORP OF MATL. PERSONS W/PRE-EXISTING SKIN DISORDERS MAY BE MORE (EFTS OF OVEREXP)

Explanation Of Carcinogenicity: CAS #64742-65-0 GROUP 1 (IARC)

Signs And Symptoms Of Overexposure: HLTH HAZ: SUSCEPTIBLE TO EFTS OF MATL.

INHAL: WHILE MATL HAS A LOW DEGREE OF TOX, BRTHG HIGH CONC OF VAPS/MISTS MAY CAUSE IRRIT OF NOSE/THROAT. INGEST: WHILE MATL HAS A LOW DEGREE OF TOX, INGEST OF EX CESS QTY MAY CAUSE IRRIT OF DIGESTIVE TRACT.

Medical Cond Aggravated By Exposure: NONE SPECIFIED BY MANUFACTURER.

First Aid: HAVE PHYS CALL LOS ANGELES POIS INFO C

TR (24 HRS) (800)356-3129.

EYE:FLUSH W/CLEAN WATER FOR @ LST 15 MIN. IF SYMPS PERSIST, SEEK MED ATTN. SKIN: WIPE MATL FROM SKIN & REMOVE CONTAMD SHOES/CLTHG. CLEA NSE AFFECTED AREA(S) THORO BY WASHING W/MILD SOAP & WATER &, IF NEC, A WATERLESS SKIN CLEANSER. IF IRRIT/RED DEVELOPS & PERSIST, SEEK MED ATTN. INHAL: MOVE AWAY FROM SOURCE OF EXPOS & INTO (SUPP DATA)

=====

Handling and Disposal

=====

=====

Spill Release Procedures: COLLECT LEAK LIQ IN SEALABLE CONTRS. ABSORB SPILLED LIQ IN SAND/INERT ABSORB MATL. NOTIFY FIRE AUTH & APPROP FED, ST & LOC AGENCIES. IF SPILL OF ANY AMT IS MADE INTO/UPON U.S. NAVIGABLE WATERS, CONTIG UOUS ZONE/ADJOINING SHORELINES, NOTIFY

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods: DISPOSE OF PRODUCT I/A/W LOCAL, COUNTY, STATE, & FEDERAL REGULATIONS.

Handling And Storage Precautions: STORE

IN A COOL, DRY LOCATION. KEEP AWAY FROM

INCOMPATIBLE MATLS. AVOID GENERATING OIL MISTS WHILE HNDLG. AVOID PRLNG/RPTD SKIN CONT.

Other Precautions: DO NOT WEAR CONTAMD CLTHG/SHOES. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, GRIND/DRILL ON/NEAR CNTR. "EMPTY" CNTR RETAINS RESIDUES (LIQ &/OR VAP) & MAY EXPLODE IN HEAT OF FIRE.

=====

Fire and Explosion Hazard Information

=====

Flash

Point Method: COC

Flash Point Text: 424F,218C

Extinguishing Media: EXTING W/DRY CHEM, CARBON DIOXIDE, WATER SPRAY, FOAM, SAND/EARTH. WATER & FOAM MAY CAUSE FROTHING.

Fire Fighting Procedures: NIOSH/MSHA APPRVD SCBA & FULL PROT EQUIP(FP N). WATER SPRAY MAY BE USEFUL IN MINIMIZING VAPS & COOLING CONTRS EXPOS TO HEAT & FLAME. AVOID SPREADING (SUPP DATA)

Unusual Fire/Explosion Hazard: THIS MATERIAL MAY BURN, BUT WILL NOT IGNITE READILY.

=====
=====

Control Measures

=====

Respiratory Protection: USE OF RESP PROT IS ADVISED WHEN CONC EXCEED ESTABLISHED EXPOS LIM. DPNDG ON AIRBORNE CONC, USE A NIOSH/MSHA APPRVD RESP/GAS MASK W/APPROP CARTRIDGES & CANNISTERS/SUPPLIED AIR EQUIPMENT.

Ventilation: IF CURRENT VENT PRACTICES ARE NOT ADEQ TO MAINTAIN AIRBORNE CONC BELOW ESTABLISHED EXPOS LIM, ADDNL VENT/EXHAUST

Protective Gloves: IMPERMEABLE GLOVES.

Eye Protection: CHEMIC

AL WORKERS GOGGLES (FP N).

Other Protective Equipment: IT IS SUGGESTED THAT A SOURCE OF CLEAN WATER BE AVAIL IN WORK AREA FOR FLUSH EYES/SKIN. IMPERVIOUS CLTHG SHOULD BE WORN.

Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health: FIRE FIGHT PROC: BURNING LIQ W/WATER USED FOR COOLING PURPOSES. MOVE UNDMGD CONTRS FROM FIRE AREA IF IT CAN BE DONE W/OUT RISK. FIRST AID PROC: FRESH AIR. IF SYMPS PERSIST, SEEK MED ATTN. IF NOT BRTHG , IMMED BEGIN ARTF RESP. I

F BRTHG DFCLTS DEVELOP,OXYGEN SHOULD BE ADMINISTERED BY QUALIFIED PERS. SEEK IMMED MED

=====

Physical/Chemical Properties

=====

B.P. Text: >600F,>316C

Vapor Density: >1

Spec Gravity: 0.90

Solubility in Water: NEGLIGIBLE

Appearance and Odor: CLEAR, BROWN LIQUID, CHARACTERISTIC ODOR.

Percent Volatiles by Volume: NEGLIG

=====

Reactivity D

ata

Stability Indicator: YES

Stability Condition To Avoid: EXTENDED EXPOSURE TO HIGH TEMPERATURES MAY CAUSE DECOMPOSITION.

Materials To Avoid: AVOID CONTACT WITH STRONG OXIDIZING AGENTS.

Hazardous Decomposition Products: COMBUSTION MAY YIELD MAJOR AMTS OF OXIDES OF CARBON & MINOR AMTS OF OXIDES & SULFUR & NITROGEN.

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: NOT RELEVANT

Toxicological Information

Ecological Information

MSDS Transport Information

Regulatory Information

Other Information

Transportation Information

Responsible Party Cage: 5W523

Trans ID NO: 106438

Product ID: UNOCAL WAY OIL HD 220, 04884

MSDS Prepared Date: 08/02/1992

Review Date: 04/28/1993

MFN: 1

Multiple KIT Number: 0

Review IND: Y

Additional Data: NOT R

EGULATED FOR TRANSPORTATION

Detail DOT Information

DOT PSN Code: ZZZ

DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

Detail IMO Information

IMO PSN Code: ZZZ

IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION

=====
Detail IATA Information
=====

IATA PSN Code: ZZZ

IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
=====

=====
Detail AFI Information
=====

AFI PSN Code: ZZZ

AFI Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
=====

HAZCOM Label

=====
Product ID: UNOCAL WAY OIL HD 220, 04884

Cage: 5W523

Company Name: UNION OIL COMPANY OF CALIFORNIA

Street: 1345 NORTH MEACHAM ROAD

City: SCHAUMBURG IL

Zipcode: 60196

Health Emergency Phone: 800-356-3129;800-424-9300(CHEMTREC)

Label Required IND: Y

Date Of Label Review: 11/11/1992

Status Code: C

Label Date: 11/11/1992

Origination Code: G

Chronic Hazard IND: Y

Eye Protection IND: YES

Skin Protection IND: YES

Signal Word: CAUTION

Respiratory

Protection IND: YES

Health Hazard: Slight

Contact Hazard: Slight

Fire Hazard: Slight

Reactivity Hazard: None

Hazard And Precautions: COMBUSTIBLE. ACUTE: INHALATION MAY CAUSE IRRITATION OF THE NOSE AND THROAT. SWALLOWING MAY CAUSE IRRITATION OF THE DIGESTIVE TRACT. MAY CAUSE EYE AND SKIN IRRITATION. CHRONIC: CANCER HAZARD.CAS #64742 -65-0 IS LISTED AS A CARCINOGEN (FP N).
=====

Disclaimer (provided with this information by the compiling age)

ncies): This

information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever expressly or implied warrants, states, or intends said information to have any application, use or viability by or to any person or persons outside the Department of Defense nor any person or persons contracting with any instrumentality of the United States of America and disclaims all liability for such use. Any person utilizing this instruc

tion who is not a military or civilian employee of the

United States of America should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation regardless of similarity to a corresponding Department of Defense or other government situation.