

UNION OIL COMPANY OF CALIFORNIA -- 03650XX11, UNOCAL GUARDOL 10W -- 9150-00N017614

MAY 15 2008

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

ENVIRONMENTAL DEPARTMENT

Product ID:03650XX11, UNOCAL GUARDOL 10W

MSDS Date:06/11/1990

FSC:9150

NIIN:00N017614

MSDS Number: BPJNW

=== Responsible Party ===

Company Name:UNION OIL COMPANY OF CALIFORNIA

Address:1201 WEST 5TH ST

City:LOS ANGELES

State:CA

ZIP:90017

Country:US

Info Phone Num:213-977-7589

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

CAGE:5W523

=== Contractor Identification ===

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

Address:1201 W 5TH ST

Box:7600

City:LOS ANGELES

State:CA

ZIP:90017-1443

Country:US

CAGE:79003

Company Name:UNION OIL COMPANY OF CALIFORNIA

Address:1345 NORTH MEACHAM ROAD

City:SCHAUMBURG

State:IL

ZIP:60196

Country:US

Phone:800-438-2968

CAGE:5W523

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

Ingred Name:OTHER PROT EQUIP: SHOULD BE WORN AS NEEDED.  
RTECS #:9999999Z

Ingred Name:MINERAL OIL, PETROLEUM DISTILLATES, SOLVENT-DEWAXED HEAVY  
PARAFFINIC. %(WT): 0.0-87.000.

CAS:64742-65-0

RTECS #:PY8038500

Fraction by Wt: SEE ING

OSHA PEL:5 MG/M3 (OIL MIST)

ACGIH TLV:5MG/M3;10STEL (MIST)

Ingred Name:MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED (MILD)  
HEAVY PARAFFINIC. %(WT): 0.0-87.000.

CAS:64742-54-7

RTECS #:PY8035500

Fraction by Wt: SEE ING

OSHA PEL:5 MG/M3 (OIL MIST)

ACGIH TLV:5 MG/M3;10STEL (MIST)

Ingred Name:FIRST AID PROC: FRESH AIR. IF SYMP PERSIST, SEEK MED ATTN.  
VICTIM IS NOT BRTHG, IMMED BEGIN ARTF RESP. IF BRTHG (ING 6)  
RTECS #:9999999ZZ

Ingred Name:ING 5: DFCLTYS DEVELOP, O\*2 SHOULD BE ADMIN BY QUALIFIED  
MED PERS. SEEK IMMED MED ATTN. INGEST: NO FIRST AID (ING 7)  
RTECS #:9999999ZZ

Ingred Name:ING 6: NORMALLY REQUIRED. HOWEVER, IF SYMPTOMS DEVELOP,  
SEEK MEDICAL ATTENTION.  
RTECS #:9999999ZZ

Ingred Name:SPILL PROC: STORM DRAINS, & NATURAL WATERWAYS. DIKE FOR  
LATER RECOVERY/DISP. MAY BE ABSORB INTO APPROP MATL. (ING 9)  
RTECS #:9999999ZZ

Ingred Name:ING 8:NOTIFY FIRE AUTH & APPROP FED, ST & LOC AGENCIES. IF  
SPILL IS MADE INTO U.S. NAVIGABLE WATERS, CONTIGUOUS (ING 10)  
RTECS #:9999999ZZ

Ingred Name:ING 9: ZONE, OR ADJOINING SHORELINES, NOTIFY NATIONAL  
RESPONSE CENTER (800-424-8802).  
RTECS #:9999999ZZ

Ingred Name:OTHER PREC: "EMPTY" DRUMS SHOULD BE COMPLETELY DRAINED,  
PROPERLY BUNGED & PROMPTLY SHIPPED TO SUPPLIER/DRUM (ING 12)  
RTECS #:9999999ZZ

Ingred Name:ING 11: RECONDITIONER. ALL OTHER CONTAINERS SHOULD BE  
DISPOSED OF I/A/W GOVERNMENTAL REGULATIONS.  
RTECS #:9999999ZZ

Ingred Name:VENT: MAY BE REQUIRED. WHERE EXPLOSIVE MIXTURES MAY BE  
PRESENT, ELECTRICAL SYSTEMS SAFE FOR SUCH LOCATIONS MUST BE USED.  
RTECS #:9999999ZZ

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.  
Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO  
Health Hazards Acute and Chronic:EYE: MATL MAY CAUSE MILD EYE IRRIT.  
DIRECT CONT W/LIQ/EXPOS TO VAPS/MISTS MAY CAUSE STINGING, TEARING &  
REDNESS. SKIN: MATL MAY CAUSE MILD SKIN IRRIT. PRLNGD/RPTD  
CONT/EXPOS TO VAPS/MISTS MAY CAUSE REDNESS & BURNING, & DRYING &  
CRACKING OF SKIN. NO HARMFUL EFTS ARE EXPECTED FROM SKIN ABSORP OF  
MATL. (EFTS OF OVEREXP)  
Explanation of Carcinogenicity:CAS NOS. 64742-65-0 AND 64742-54-7 ARE  
LISTED BY RTECS AS IARC GROUP 1 CARCINOGENS.  
Effects of Overexposure:HLTH HAZ: PERSONS W/PRE-EXISTING SKIN DISORDERS  
MAY BE MORE SUSCEPTIBLE TO EFTS OF MATL. INHAL: WHILE MATL HAS LOW  
DEGREE OF TOX, BRTHG HIGH CONC OF VAPS/MISTS MAY CAUSE IRRIT OF  
NOSE & THROAT. INGEST : WHILE MATL HAS LOW DEGREE OF TOX, INGEST OF  
EXCESSIVE QTYS MAY CAUSE IRRIT OF DIGEST TRACT. COMMENTS: USED  
(SUPDAT)

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYE: MOVE VICTIM AWAY FROM EXPOS & INTO FRESH AIR. FLUSH EYES

W/CLEAN H\*2O. IF SYMP PERSIST, SEEK MED ATTN. SKIN: WIPE MATL FROM SKIN & REMOVE CONTAM SHOES & CLTHG. CLEANSE AFFECTED AREA(S) THORO BY W ASHING W/MILD SOAP & H\*2O &, IF NEC, A WATERLESS SKIN CLEANSER. IF IRRIT/REDNESS DEVELOPS & PERSISTS, SEEK MED ATTN. INHAL: IF RESP SYMP DEVELOP, MOVE VICTIM AWAY FROM SOURCE OF EXPOS & INTO (ING 5)

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

Flash Point Method:COC  
Flash Point:401F,205C  
Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, HALON, FOAM OR WATER SPRAY IS RECOMMENDED.  
Fire Fighting Procedures:WEAR NIOSH/MSHA APPRVD SCBA & FULL PROT EQUIP.STOP SPILL/RELS IF IT CAN BE DONE W/OUT RISK.MOVE UNDAMAGED CNTNRS FROM FIRE AREA IF IT CAN BE DONE (SUPDAT)  
Unusual Fire/Explosion Hazard:MATL MAY BURN, BUT WILL NOT IGNITE READILY. IF CNTNR IS NOT PROPERLY COOLED, IT MAY EXPLO IN HEAT OF FIRE. VAPS ARE HVR/AIR AND MAY ACCUMULATE IN LOW AREAS.

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

Spill Release Procedures:MAY IGNITE. KEEP SOURCES OF IGNIT AWAY FROM SPILL/RELS. STAY UPWIND & AWAY FROM SPILL/RELS. ISOLATE AREA & LIMIT ENTRY TO AUTH PERS. STOP SPILL/RELS IF IT CAN BE DONE W/OUT RISK. WEAR APPROP PROT EQUI P. PVNT SPILLED MATL FROM ENTERING SEWERS, (ING 8)  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:USE & STORE IN COOL, DRY, WELL VENTILATED AREAS AWAY FROM HEAT & ALL SOURCES OF IGNITION. KEEP CONTAINER(S) CLOSED. STORE ONLY IN APPRVD CONTAINERS.  
Other Precautions:PROT CNTNR(S) AGAINST PHYS DMG. "EMPTY" CNTNRS RETAIN RESIDUE & CAN BE DANGEROUS. DO NOT PRESS, CUT,WELD,BRAZE, SOLDER,DRILL, GRIND OR EXPOS CNTNRS TO HEAT, FLAME, SPARKS/OTHER SOURCES OF IGNIT; THEY MAY EXPLO & CAUSE INJ/DEATH. (ING 11)

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

Respiratory Protection:USE OF RESPIRATORY PROT IS ADVISED WHEN CONC EXCEED ESTABLISHED EXPOS LIMITS. DEPENDING ON AIRBORNE CONCENTRATION, USE NIOSH/MSHA APPROVED RESPIRATOR OR GAS MASK W/APPROP CARTRIDGES & CANNISTERS OR NI OSH/MSHA APPRVD SUPPLIED AIR EQUIPMENT.  
Ventilation:IF CURRENT VENT PRACT ARE NOT ADEQ TO MAINTAIN AIRBORNE CONC BELOW ESTABLISHED EXPOS LIMITS, ADNL VENT/EXHST SYS(ING 13)  
Protective Gloves:IMPERMEABLE GLOVES.  
Eye Protection:CHEMICAL WORKERS GOGGLES .  
Other Protective Equipment:IT IS SUGGESTED THAT SOURCE OF CLEAN H\*2O BE AVAIL IN WORK AREA FOR FLUSHING EYES & SKIN. IMPERVIOUS CLTHG (ING 14)  
Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING. DO NOT WEAR CONTAMINATED CLOTHING OR SHOES. USE GOOD PERSONAL HYGIENE PRACTICE.  
Supplemental Safety and Health  
FIRE FIGHT PROC: W/OUT RISK. H\*2O SPRAY MAY BE USEFUL IN MIN/DISPERSING VAPS & COOLING EQUIP EXPOS TO HEAT & FLAME. AVOID SPREADING BURNING LIQ W/H\*2O USED FOR COOLING PURPOSES. EFTS OF OVEREXP: MOTOR OIL IS POSS SKIN CANCER HAZ BASED ON TESTS IN LAB ANIMALS & HAS BEEN

IDENTIFIED AS POSS CARCINOGEN BY IARC.

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

Boiling Pt:B.P. Text:>600F,>316C  
Vapor Density:>1  
Spec Gravity:0.87  
Evaporation Rate & Reference:<1 (N-BUTYL ACETATE=1)  
Solubility in Water:NEGLIGIBLE  
Appearance and Odor:CLEAR, BROWN LIQUID, CHARACTERISTIC PETROLEUM ODOR.  
Percent Volatiles by Volume:NEGLIG

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

Stability Indicator/Materials to Avoid:YES  
STRONG OXIDIZING AGENTS SUCH AS CHLORINE, PERMANGANATES AND  
DICHROMATES.  
Stability Condition to Avoid:EXTENDED EXPOSURE TO HIGH TEMPERATURES.  
Hazardous Decomposition Products:COMBUSTION MAY YIELD MAJOR AMOUNTS OF  
OXIDES OF CARBON & MINOR AMOUNTS OF NO\*X, PO\*X, SO\*X, ZNO\*X.

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

Waste Disposal Methods:DISPOSE OF PRODUCT IN ACCORDANCE WITH LOCAL,  
COUNTY, STATE, AND FEDERAL REGULATIONS.

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