

UNION OIL CO OF CALIFORNIA,UNOCAL REF. & MARK. DIV -- HYDRAULIC/TRACTOR FLUID --  
9150-01-177-9438

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

Product ID:HYDRAULIC/TRACTOR FLUID

MSDS Date:07/13/1990

FSC:9150

NIIN:01-177-9438

MSDS Number: BQKSX

=== Responsible Party ===

Company Name:UNION OIL CO OF CALIFORNIA,UNOCAL REF. & MARK. DIV

Address:1201 WEST 5TH STREET

City:LOS ANGELES

State:CA

ZIP:90017

Country:US

Info Phone Num:213-977-7589/800-356-3129CONTROL 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

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

Ingred Name:MINERAL OIL/SOLVENT-DEWAXED HEAVY PARAFINIC PETROLEUM  
DISTILLATES

CAS:64742-65-0

RTECS #:PY8038500

Fractio

n by Wt: 90%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:5 MG/M3 AS OIL MIST

ACGIH TLV:5 MG/M3 AS OIL MIST

Ingred Name:ZINC COMPOUND

Fraction by Wt: 1.3%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:15 MG/M3 (ZNO) TDUST

ACGIH TLV:10 MG/M3 (ZNO)

Ingred Name:TRADE SECRET

Fraction by Wt: 8.7%

Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:TLV IS 5 MG/M3 AS OIL MIST.

Routes of Entry: Inhalation:NO Skin:YES Ingestion:NO

Repor

ts of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE-EYE:MAY CAUSE MILD  
IRRITATION,STINGING,TEARING & REDNESS.SKIN:MILD  
IRRITATION.PROLONGED/REPEATED CONTACT MAY CAUSE  
REDNESS,BURNING,DRYING & CRACKING.INHALE:VAPORS AT HIGH  
TEMPERATURES/OIL MISTS MAY BE IRRITATING TO NOSE,THROAT &  
RESPIRATORY TRACT.ORAL:EXCESSIVE QUANTITIES MAY CAUSE GI TRACT  
IRRITATION.CHRONIC-UNK

Effects of Overexposure:MAY CAUSE MILD EYE IRRITATION,STINGING,TEARING

& REDNESS.MILD SKIN IRRITATION.PROLONGED/REPEATED SKIN CONTACT MAY  
CAUSE REDNESS,BURNING,DRYING & CRACKING.INHALATION OF VAPORS AT  
HIGH TEMPERATURES/OIL MISTS MAY IRRITATE NOSE,THROAT & RESPIRATORY  
TRACT.EXCESSIVE QUANTITIES MAY CAUSE GI TRACT IRRITATION IF  
INGESTED.

Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN DISORDERS MAY BE  
MORE SUSCEPTIBLE TO THIS MATERIAL.

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

First Aid:GET MEDICAL HELP IF SY  
MPTOMS PERSIST. INHALED:REMOVE TO FRESH  
AIR. PROVIDE CPR/OXYGEN IF NEEDED. EYES:FLUSH WITH WATER FOR 15  
MINUTES, HOLDING EYELIDS OPEN. SKIN:WIPE EXCESS. WASH SKIN WITH  
SOAP & WAT ER. ORAL:DO NOT INDUCE VOMITING. NO TREATMENT IS  
NORMALLY NECESSARY. HOWEVER, IF SYMPTOMS DEVELOP, GET MEDICAL  
ATTENTION.

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

Flash Point Method:COC

Flash Point:378F,192C

Extinguishing Media:USE WATER FOG, CO2, HALON, FOAM, OR DRY CHE  
MICAL.

DO NOT USE A DIRECT STREAM OF WATER. PRODUCT MAY FLOAT & REIGNITE  
Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A  
SELF CONTAINED BREATHING APPARATUS IN + PRESSURE MODE. COOL FIRE  
EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:MAY BURN BUT WILL NOT IGNITE READILY. IF  
CONTAINER IS NOT PROPERLY COOLED, IT MAY EXPLODE DUE TO FIRE.  
VAPORS ARE HEAVIER THAN AIR & MAY ACCUMULATE IN LOW AREAS

===== Accidental Release Mea

sures =====

Spill Release Procedures:REMOVE IGNITION SOURCES. WEAR PROTECTIVE EQUIPMENTS. VENTILATE AREA. STOP LEAK. CONTAIN LARGE SPILL. PUMP IT TO TRUCK. SOAK UP RESIDUE/SMALL SPILLS WITH CLAY/SAND. PREVENT ENTERING SEWERS. THIS PRODUCT IS AN OIL. REPORT SPILLS TO NRC AT 800-424-8802.

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

Handling and Storage Precautions:STORAGE- STORE IN COOL, DRY VENTILATED PLACE AWAY FROM HEAT, FLAME & STRONG OXIDANTS. DO NOT ENTER CONFINED SPACES WITHOUT PROTECTIVE EQUIPMENTS.

Other Precautions:"EMPTY" CONTAINERS MAY 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/PROLONGED SKIN CONTACT.

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

Respiratory Protection:NON REQUIRED UNDER NORMAL CONDITIONS. IF HIGH VAPOR OR MIST CONCENTRATIONS EXPECTED, USE NIOSH-APPROVED RESPIRATOR FOR ORGANIC VAPORS AND MISTS. WEAR SUPPLIED-AIR RESPIRATOR PROTECTION IN CONFINED OR ENCLOSED SPACES, IF NEEDED.

Ventilation:MECHANICAL VENTILATION. (EXPLOSION-PROOF)

Protective Gloves:IMPERVIOUS

Eye Protection:CHEMICAL SPLASH GOGGLES/SAFETY GOGGLES

Other Protective Equipment:A SOURCE OF CLEAN WATER BE AVAILABLE IN WORK AREA FOR FLUSHING EYES & SKIN. IMPERVIOUS CLOTHING SHOULD BE WORN AS NEEDED

Work Hygienic Practices:OBSERVE

GOOD PERSONAL HYGIENE PRACTICES AND

RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

Supplemental Safety and Health

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

HCC:V6

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

Vapor Density:>1

Spec Gravity:0.89

Evaporation Rate & Reference: