

TEXACO LUBRICANTS COMPANY A DIVISION OF TEXACO REFINING AND -- 02316, MULTIGEAR  
LUBT EP SAE 80W-90 -- 9150-01-035-5394

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

Product ID:02316, MULTIGEAR LUBT EP SAE 80W-90

MSDS Date:02/15/1995

FSC:9150

NIIN:01-035-5394

Status Code:A

MSDS Number: CLRYM

=== Responsible Party ===

Company Name:TEXACO LUBRICANTS COMPANY A DIVISION OF TEXACO REFINING  
AND

Box:4427

City:H

OUSTON

State:TX

ZIP:77210-4427

Country:US

Info Phone Num:(914) 838-7204

Emergency Phone Num:914-831-3400

Preparer's Name:NOT PROVIDED

Chemtrec Ind/Phone:(800)424-9300

CAGE:TO867

=== Contractor Identification ===

Company Name:DWL INC

Address:1013 WALL RD

Box:City:EL PASO

State:TX

ZIP:79915

Country:US

Phone:915-775-1030/FAX: 915-775-1485

Contract Num:SP0450-02-C-0907

CAGE:1LKJ0

Company Name:TEXACO LUBRICANTS COMPANY A DIVISION OF TEXACO REFINING  
AND

Address:Box:4427

City:HOUSTON

State:TX

ZIP:7

7210-4427  
Country:US  
Phone:(914) 838-7204  
CAGE:TO867

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

Ingred Name:SEVERELY SOLVENT REFINED, SOLVENT-DEWAXED HEAVY PARAFFINIC  
PETROLEUM DISTILLATE

CAS:64742-65-0  
RTECS #:PY8038500  
Minumum % Wt:50.  
Maxumum % Wt:64.99  
Other REC Limits:NOT PROVIDED  
OSHA PEL:5 MG/M3 (OIL MIST)  
ACGIH TLV:5 MG/M3 (OIL MIST)  
ACGIH STEL:10 MG/M3 (OIL MIST)

Ingred Name:LUBRICATING OILS (PETROLEUM), C>25, HYDROTREATED BRIGHT  
STOCK-BASED

CAS:7262  
3-83-7  
Minumum % Wt:35.  
Maxumum % Wt:49.99  
Other REC Limits:NOT PROVIDED  
OSHA PEL:5 MG/M3 (OIL MIST)  
ACGIH TLV:5 MG/M3 (OIL MIST)  
ACGIH STEL:10 MG/M3 (OIL MIST)

Ingred Name:OLEFIN SULFIDE

CAS:72162-26-6  
Minumum % Wt:3.  
Maxumum % Wt:9.99  
Other REC Limits:NOT PROVIDED

Ingred Name:ALKYLAMINE SALT OF PHOSPHORIC ACID ESTERS

CAS:71888-91-0  
Minumum % Wt:1.  
Maxumum % Wt:2.99  
Other REC Limits:NOT PROVIDED  
OSHA PEL:NOT PROVIDED  
ACGIH TLV:NOT PROVIDED

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

=====

LD50 LC50 Mixture:NOT PROVIDED

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

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE: EYES: MAY CAUSE MINIMAL

IRRITATION, TEMPORARY DISCOMFORT. SKIN: BRIEF CONTACT MAY CAUSE SLIGHT IRRITATION. PROLONGED CONTACT, AS WITH CLOTHING WETTED MATERIAL, MAY CAUSE MORE SEVERE IRRITATION, LOCAL REDNESS AND SWELLING. INHALATION: VAPORS OR MIST, IN EXCESS OF PERMISSIBLE CONCEN

TRATIONS, OR IN UNUSUALLY HIGH CONCENTRATIONS GENERATED FROM SPRAYING, HEATING MATERIAL OR FROM EXPOSURE IN POOR LY VENTILATED AREAS OR CONFINED SPACES, MAY CAUSE IRRITATION OF NOSE, THROAT, HEADACHE, NAUSEA, AND DROWSINESS. INGESTION: IF MORE THAN SEVERAL MOUTHFULS SWALLOWED, ABDOMINAL DISCOMFORT, NAUSEA, AND D IARRHEA MAY OCCUR. CHRONIC: NONE.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:NOT PROVIDED

Medical Cond Aggravated by Exposure:BECAUSE OF ITS IRRITATI

NG

PROPERTIES, REPEATED SKIN CONTACT MAY AGGRAVATE AN EXISTING DERMATITIS (SKIN CONDITION)

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

First Aid:EYES: FLUSH EYES WITH PLENTY OF WATER FOR SEVERAL MINUTES.

GET MEDICAL ATTENTION IF EYE IRRITATION PERSISTS. SKIN: WASH SKIN WITH PLENTY OF SOAP AND WATER FOR SEVERAL MINUTES. GET MEDICAL ATTENTION IF SKIN IRRITATION DEVELOPS OR PERSISTS. INGESTION: IF MORE THAN SEVERAL MOUTHFULS OF THIS MATERIAL ARE S

WALLOWED, GIVE

TWO GLASSES OF WATER (16 OZ). GET MEDICAL ATTENTION. INHALATION: IF IRRITATION, HE ADACHE, NAUSEA, OR DROWSINESS OCCURS, REMOVE TO FRESH AIR. GET MEDICAL ATTENTION IF BREATHING BECOMES DIFFICULT OR RESPIRATORY IRRITATION PERSISTS.

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

Flash Point Method:COC

Flash Point:=182.2C, 360.F

Autoignition Temp:Autoignition Temp Text:N/D

Lower Limits:NOT DETERMIN

Upper Limits:NOT DETERMIN

Extinguishing Media:

USE WATER SPRAY, DRY CHEMICAL, FOAM, OR CARBON DIOXIDE TO EXTINGUISH FLAMES. USE WATER SPRAY TO COOL FIRE-EXPOSED CONTAINERS. WATER OR FOAM MAY CAUSE FROTHING.

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND POSITIVE PRESSURE BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:HYDROGEN SULFIDE (H<sub>2</sub>S) MAY BE RELEASED IF OVERHEATED.

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

Spill Release Procedures:VENTILATE AREA. AVOID BREATHING VAPOR. WEAR

APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT, INCLUDING APPROPRIATE RESPIRATORY PROTECTION. CONTAIN SPILL IF POSSIBLE. WIPE UP OR ABSORB ON SUITABLE MATERIAL AND SHOVEL UP. PREVENT ENTRY INTO SEWERS AND WATERWAYS. AVOID CONTACT WITH SKIN, EYES OR CLOTHING.

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:PERIODS OF EXPOSURE TO HIGH TEMPERATURES SHOULD BE MINIMIZED. WATER CONTAMINATION SHOULD BE

AVOIDED. MINIMUM FEASIBLE HANDLING TEMPERATURES SHOULD BE MAINTAINED.

Other Precautions:REMOVE AND DRY-CLEAN OR LAUNDRER CLOTHING SOAKED OR SOILED WITH THIS MATERIAL BEFORE REUSE. DRY CLEANING OF CONTAMINATED CLOTHING MAY BE MORE EFFECTIVE THAN NORMAL LAUNDERING. INFORM INDIVIDUALS RESPONSIBLE FOR CLEANING OF POTENTIAL HAZARDS ASSOCIATED WITH HANDLING CONTAMINATED CLOTHING.

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

Respiratory Protection:IF VAPOUR, MIST/DUST IS GENERATED AND OCCUPATIONAL EXPOSURE LIMIT IS EXCEEDED, USE APPROPRIATE NIOSH APPROVED AIR PURIFYING OR AIR SUPPLIED RESPIRATOR AFTER DETERMINING AIRBORNE CONCENTRATION OF CONTAMINANT. AIR SUPPLIED RESPIRATORS SHOULD ALWAYS BE WORN WHEN AIRBORNE CONCENTRATION OF CONTAMINANT OR OXYGEN CONTENT IS UNKNOWN.

Ventilation:ADEQUATE TO MEET COMPONENT OCCUPATIONAL EXPOSURE LIMITS.

Protective Gloves:WORKERS SHOULD WASH EXPOSED SKIN SEVERAL TIMES DAILY WITH SOAP AND WATER

ATER.

Eye Protection:SAFETY GLASSES, CHEMICAL TYPE GOGGLES, OR FACE SHIELD  
RECOMMENDED.

Other Protective Equipment:NOT PROVIDED

Work Hygienic Practices:SOILED WORK CLOTHING SHOULD BE LAUNDERED OR  
DRY-CLEANED.

Supplemental Safety and Health

AIRBORNE CONCENTRATIONS SHOULD BE KEPT TO LOWEST LEVELS POSSIBLE.

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

HCC:V6

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:B.P. Text:NOT DETERMINED

Decomp Temp:Decomp Text:NOT PROVIDED

Vapo

r Pres:NOT DETERMINED

Vapor Density:N/D

Spec Gravity:.8961

Viscosity:14.2 CST AT 100.0C

Evaporation Rate & Reference:NOT PROVIDED

Solubility in Water:NOT DETERMINED

Appearance and Odor:RED GREEN BLOOM LIQUID.

Percent Volatiles by Volume:NOT PROVIDED

Corrosion Rate:NOT PROVIDED

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

THIS MATERIAL REACTS VIOLENTLY WITH: STRONG OXIDIZERS.

Stability Condition to Avoid:UNDER EXTREME TEMPERATURES OR EXTENDED  
STORAGE PERIODS, HYDR

OGEN SULFIDE (H<sub>2</sub>S) GAS MAY ACCUMULATE IN THE  
HEAD-SPACE OF CONTAINER.

Hazardous Decomposition Products:TOXIC LEVELS OF CARBON MONOXIDE,  
CARBON DIOXIDE, IRRITATING ALDEHYDES AND SULFUR (MAY INCLUDE  
HYDROGEN SULFIDE), PHOSPHORUS.

===== Toxicological Information =====

Toxicological Information:MEDIAN LETHAL DOSE ORAL: LD50 SIMILAR PRODUCT  
> 20.00 G/KG (RAT) PRACTICALLY NON-TOXIC. INHALATION: NOT  
DETERMINED. DERMAL: LD50 SIMILAR PRODUCT > 2.00 G/KG

(RABBIT)

PRACTICALLY NON-TOXIC. IRRITATION INDEX, ESTIMATION OF IRRITATION (SPECIES) SKIN: (DRAIZE) SIMILAR PRODUCT 1.67 /8.0 (RABBIT) SLIGHTLY IRRITATING EYES: (DRAIZE) SIMILAR PRODUCT 9.66 /110 (RABBIT) NO APPRECIABLE EFFECT. SENSITIZATION: NOT DETERMINED. OTHER: NONE.

=====  
===== Ecological Information =====

Ecological:AQUATIC TOXICITY: NOT DETERMINED. MOBILITY: NOT DETERMINED. PERSISTENCE AND BIODEGRADABILITY: NOT DETERMINED. POTENTIAL TO BIOACCUMULATE: NOT EVALUATED. REMARKS: NOT EVALUATED.

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

Waste Disposal Methods:THIS PRODUCT HAS BEEN EVALUATED FOR RCRA CHARACTERISTICS AND DOES NOT MEET THE CRITERIA OF A HAZARDOUS WASTE IF DISCARDED IN ITS PURCHASED FORM. UNDER RCRA, IT IS THE RESPONSIBILITY OF THE USER OF THE PRODUCT TO DETERMINE AT THE TIME OF DISPOSAL, WHETHER THE PRODUCT MEETS RCRA CRITERIA FOR HAZARDOUS WASTE.

=====  
==== MSDS Transport Information =====

Transport Information:DOT PROPER SHIPPING NAME: NOT REGULATED. THIS PRODUCT CONTAINS A DOT HAZARDOUS SUBSTANCE OR SUBSTANCES. IF THE PRODUCT'S SHIPPING CONTAINER HOLDS AT LEAST 1,136,363 LBS, THEN THE DOT INFORMATION MUST BE ACCOMPANIED WITH RQ NOTATION, OR, AN OTHERWISE "NOT REGULATED" PRODUCT WILL BE CLASSIFIED AS ENVIRONMENTALLY HAZARDOUS (SOLID/LIQUID) N.O.S., CLASS 9, UNLESS THE PRODUCT QUALIFIES FOR THE PETROLEUM EXEMPTION (49 CFR 171.8) IMDG: NOT EVALUATED ICAO: NOT EVALUATED TDG: NOT EVALUATED.

=====  
===== Regulatory Information =====

SARA Title III Information:SECTION 302/304 EXTREMELY HAZARDOUS SUBSTANCES: NONE SECTION 311 HAZARDOUS CATEGORIZATION: N/A SECTION 313 TOXIC CHEMICAL: NONE CERCLA 102(A)/DOT HAZARDOUS SUBSTANCES: (+ INDICATES DOT HAZARDOUS SUBSTANCE) 01+ TOLUENE CAS # 108-88-3 RANGE IN % 0.01-0.09. 02+ CUMENE CAS # 98-82-8 RANGE IN %

0.001984. CERCLA/DOT HAZARDOUS SUBSTANCES (SEQUENCE NBRS AND RQ'S):  
01+ RQ: 1000 02+ RQ: 5000. IF MORE THAN 1,063,829 POUNDS OF  
PRODUCT IS SPILLED. THEN REPORT SPILL ACCORDING TO SARA 304 AND/OR  
CERCLA 102(A) REQUIREMENTS, UNLESS PRODUCT QUALIFIES FOR THE  
PETROLEUM EXEMPTION (CERCLA SECTION 101(14)).

Federal Regulatory Information: TSCA INVENTORY STATUS: THIS PRODUCT IS  
LISTED ON THE TOXIC SUBSTANCE CONTROL ACT (TSCA) CHEMICAL SUBSTANCE  
INVENTORY.

State Regulatory Info

Information: CALIFORNIA PROPOSITION 65: THE FOLLOWING  
DETECTABLE COMPONENTS OF THIS PRODUCT ARE SUBSTANCES, OR BELONG TO  
CLASSES OF SUBSTANCES, KNOWN TO THE STATE OF CALIFORNIA TO CAUSE  
CANCER AND/OR REPRODUCTIVE TOXICITY. TOLUENE: STATE RIGHT-TO-KNOW:  
STATE LIST; CT, FL, IL, LA, NJ, PA, RI, MI. INTERNATIONAL REGULATIONS:  
EXPORT NOTIFICATION (TSCA-12B): THIS PRODUCT MAY BE SUBJECT TO  
EXPORT NOTIFICATION UNDER TSCA SECTION 12(B): CONTAINS C-9  
AROMATIC HYDROCARBONS 1,2,4-TRIMETHYL

1,3,5-TRIMETHYL

BENZENE WHMIS CLASSIFICATION: NOT REGULATED CANADA INVENTORY  
STATUS: ALL COMPONENTS ARE LISTED ON THE CANADIAN DOMESTIC  
SUBSTANCE LIST (DSL).

=====  
Other Information  
=====

Disclaimer (provided with this information by the compiling agencies):  
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 this information to be accurate and  
disclaims all liability for its use. Any person utilizing this  
document should seek competent professional advice to verify and  
assume responsibility for the suitability of this information to their  
particular situation.