

TEXACO LUBRICANTS COMAPNY -- MULTIGEAR LUBT EP SAE 80W-90,02316 -- 9150-01-035-5392

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

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

MSDS Date:01/22/1991

FSC:9150

NIIN:01-035-5392

MSDS Number: BPZJP

=== Responsible Party ===

Company Name:TEXACO LUBRICANTS COMAPNY

Box:4427

City:HOUSTON

State:TX

ZIP:77210

Country:US

Info Phone Num:512-459-6543,914-838-7509

Emergency Phone Num:800-424-9300(CHEMTREC),914-831-3400

CAGE:OTTJ3

=== Cont

ractor Identification ===

Company Name:TEXACO LUBRICANTS

Address:4164 E INNSLAKE DR

Box:4427

City:GLEN ALLEN

State:VA

ZIP:23060

Country:US

Phone:804-527-4311

CAGE:OTTJ3

Company Name:TEXACO REFINING AND MARKETING INC

Address:1111 RUSK ST

Box:City:HOUSTON

State:TX

ZIP:77002-3310

Country:US

Phone:713-650-5206

CAGE:2R503

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

Ingred Name:MINERAL OIL, PETROLEUM DISTILLATES, SOLVENT-DEWAXED HEAVY  
PARAFFINIC

CAS:64742-65-0

RTECS #:PY

8038501

Fraction by Wt: 35-50%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:5 MG/M3 (OIL MIST)

ACGIH TLV:5 MG/M3 (OIL MIST)

Ingred Name:HYDROTREATED C25 BRIGHT STOCK BASED LUBRICATING OIL

CAS:72623-83-7

Fraction by Wt: 35-50%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:5 MG/M3 (OIL MIST)

ACGIH TLV:5 MG/M3 (OIL MIST)

Ingred Name:ADDITIVE PACKAGE CONTAINING BORON,NITROGEN,PHOSPHORUS &  
SULFUR.

Fraction by Wt: 4-10.99%

Other REC Limits:NONE RECOMMENDED

===== Hazards Identificati  
on =====

LD50 LC50 Mixture:LD50 RAT ORAL >2 G/KG,RABBIT (SEE SUPP)

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

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

Health Hazards Acute and Chronic:SEE SIGNS AND SYMPTOMS OF  
OVEREXPOSURE.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:EYES:IRRIT,MILD DISCOMFORT,SLIGHT

REDNESS.SKIN:SLIGHT IRRIT.PRLG CONTACT MAY CAUSE MORE SEVERE IRRIT  
W/ REDNESS & SWELLING.INGEST:IF MORE THAN SEVERAL MOUTHFULS  
SWALLOWED,ABDOMINAL DISCOMFORT,NAUSEA,& DIARRHEA MAY  
OCCUR.INHAL:VAPORS/MIST,IN EXCESS CONC,MAY CAUSE IRRIT OF NOSE &  
THROAT,HEADACHE,NAUSEA,DROWSINESS.

Medical Cond Aggravated by Exposure:REPEATED SKIN CONTACT MAY AGGRAVATE  
AN EXISTING DERMATITIS.

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

First Aid:EYES:FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES.HOLD  
EYELIDS APART WHILE FLUSHING.GET MED ATTN. SKIN:WASH WITH PLENTY OF  
SOAP & WATER FOR

SEVERAL MIN.GET MED ATTN IF SKIN IRRIT DEVELOPS OR  
PER SISTS. INGESTION:IF MORE THAN SEVERAL MOUTHFULS SWALLOWED,GIVE  
2 GLASSES OF WATER.GET MED ATTN. INHALATION:REMOVE TO FRESH AIR.GET  
MED ATTN IF BREATHING BECOMES DIFFICULT OR SYMPTOMS PERSIST.

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

Flash Point Method:COC  
Flash Point:420F,216C  
Lower Limits:NOT KNOWN  
Upper Limits:NOT KNOWN  
Extinguishing Media:USE WATER SPRAY,CARBON DIOXIDE,FOAM,OR DRY  
CHEMICAL.WA  
TER OR FOAM MAY CAUSE FROTHING.  
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS (SCBA)  
& FULL TURNOUT GEAR .USE WATER TO COOL FIRE-EXPOSED CONTRS.IF LEAK  
OR SPILL HAS NOT IGNITED,USE (SEE SUPP)  
Unusual Fire/Explosion Hazard:NONE

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

Spill Release Procedures:VENT AREA.AVOID BREATHING VAPOR.USE  
SELF-CONTAINED BREATHING APPARATUS/SUPPLIED AIR FOR LARGE  
SPILLS/CONFINED AREAS.CONTAIN SPILL IF POSS.WIPE  
UP OR ABSORB &  
SHOVEL UP.PREVENT ENTRY INTO SEWERS/WATERWAYS.AVOID CONTACT W/  
SKIN,EYES,CLOTHING.  
Neutralizing Agent:NOT KNOWN

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

Handling and Storage Precautions:MINIMAL FEASIBLE HANDLING TEMP SHOULD  
BE MAINTAINED.PERIODS OF EXPOSURE TO HIGH TEMP SHOULD BE  
MINIMIZED.WATER CONTAMINATION SHOULD BE AVOIDED.  
Other Precautions:AVOID CONTACT WITH EYES AND SKIN.AVOID PRLNG  
BREATHING OF MIST/VAPOR.MISUSE OF EMPTY CO  
NTRS CAN BE HAZ.EMPTY  
CONTRS CAN BE HAZ IF USED TO STORE TOXIC,FLAMMABLE,OR REACTIVE  
MATLS.CUTTING/WELDING OF EMP TY CONTRS MIGHT CAUSE FIRE, (SEE SUPP)

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

Respiratory Protection:AIRBORNE CONC SHOULD BE KEPT TO LOWEST LEVELS  
POSS.IF VAPOR,MIST/DUST GENERATED,USE RESPIRATOR APPROVED BY MSHA  
OR NIOSH.SUPPLIED AIR RESPIRATORY PROTECTION SHOULD BE USED FOR  
CLEANING LARGE SPILLS OR UPON ENTRY INTO CONFINED SPACES.

Ventilation:ADEQUATE TO MEET COMPONENT OCCUPATIONAL EXPOSURE LIMITS.

Protective Gloves:NOT KNOWN

Eye Protection:CHEMICAL SAFETY GOGGLES OR FACE SHIELD.

Other Protective Equipment:INFORM INDIVIDUALS RESPONSIBLE FOR CLEANING  
OF POTENTIAL HAZARDS ASSOCIATED WITH HANDLING CONTAMINATED  
CLOTHING.

Work Hygienic Practices:WORKERS SHOULD WASH EXPOSED SKIN SEVERAL TIMES  
DAILY W/SOAP & WATER.REMOVE AND DRY-CLEAN OR LAUNDER CLOTHING (SEE  
SUPP)

Supplemental Safety and Health

FIRE FIGHT PROC:

WATER SPRAY TO DISPERSE VAPORS & TO PROVIDE PROT FOR  
PERS ATTEMPTING TO STOP LEAK.LD50-LC50 MIX:DERMAL >2 G/KG.HYGIENE  
PRACT:SOAKED/SOILED W/ MATL BEFORE REUSE.OTHER PREC:EXPLOSION OR  
TOX FUMES FROM RESIDUES.DO NOT PRESSURIZE OR EXPOSE TO OPEN FLAME  
OR HEAT.KEEP CONTR CLOSED AND DRUM BUNGS IN PLACE.

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

HCC:V6

Boiling Pt:B.P. Text:NOT KNOWN

Melt/Freeze Pt:M.P/F.P Text:NOT KNOWN

Decomp Temp:Decomp Text:NOT KNOWN

V

apor Pres:NOT KNOWN

Vapor Density:NOT KNOWN

Spec Gravity:0.8961,WATER=1

Evaporation Rate & Reference:NOT KNOWN

Solubility in Water:NOT KNOWN

Appearance and Odor:RED,GREEN BLOOM.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid:NOT KNOWN

Hazardous Decomposition Products:CARBON DIOXIDE,CARBON

MONOXIDE,ALDEHYDES AND KETONES,COMBUT PROD OR CMPDS

OF  
BORON,NITROGEN,SULFUR,OR PHOSPHORUS.  
Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:DISP MUST BE IAW FED,STATE,& LOC REGS.COORDINATE  
W/ SUPPORTING INSTALLATION/MACOM ENVIRON OFFICE PRIOR TO DISP .IF  
DISCARDED IN PURCHASED FORM,PROD IS NOT RCRA HAZ WASTE.PROD  
USE,TRANSFORM,MIXTU RES,PROCESS MAY RENDER THE RESULTING MATL HAZ.

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