

TEXACO REFINING AND MARKETING INC. -- 02316, MULTIGEAR LUBT EP SAE 80 W-90 --  
9150-01-313-2191

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

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

MSDS Date:07/15/1997

FSC:9150

NIIN:01-313-2191

MSDS Number: BYTCK

=== Responsible Party ===

Company Name:TEXACO REFINING AND MARKETING INC.

Address:1111 RUSK STREET

Box:NONE

City:HOUSTON

State:TX

ZIP:77002-3310

Country:US

Info Phone Num:713-650-5206

Emergency Phone Num:713-650-5206, CHEMTREC 800-424-9300

CAGE:2R503

=== Contractor Identification ===

Company Name:SALATHE OIL CO INC

Address:2226 PETERS RD

Box:City:HARVEY

State:LA

ZIP:70058

Country:US

Phone:504-366-4542

CAGE:0T5C6

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 DISTILLATE, SOLVENT DDEWAXED  
(SEVERE), HEAVY PARAFFINIC

CAS:64742-65-0

RTECS #:PY8038501

Fraction by Wt: 50-65%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:5 MG/M3 AS OIL MIST

ACGIH TLV:5 MG/M3 AS OIL MIST

Ingred Name:LUBRICATING OILS, HYDROTREATED, BRIGHT STOCK BASED

CAS:72623-83-7

Fraction by Wt: 35-50%

Other REC Limits:NONE RECOMMENDED

Ingred Name:OLEFIN SULFIDE

Fraction by Wt: 3-10%

Other REC Limits:NONE RECOMMENDED

Ingred Name:ALKYLAMINE SALT OF PHOSPHORIC ACID ESTERS

CAS:71888-91-0

Fraction by Wt: 1-3%

Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:ORAL LD50 (RATS): > 5.00 G/KG

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

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

Health Hazards Acute and Chronic:EYE CONTACT MAY CAUSE MINIMAL

IRRITATION. BRIEF SKIN CONTACT IS NOT IRRITATING. PROLONGED CONTACT  
MAY CAUSE DEFATTING OR IRRITATION. INHALATION OF VAPORS OR MIST M  
AY

CAUSE IRRITATION OF NOSE & THROAT, HEADACHE, NAUSEA, DROWSINESS.  
IF MORE THAN SEVERAL MOUTHFULS ARE SWALLOWED MAY CAUSE  
GASTROINTESTINAL IRRITATION.

Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT  
CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT  
CARCINOGENS.

Effects of Overexposure:EYE IRRITATION, SKIN IRRITATION, REDNESS,  
DISCOMFORT, NOSE/THROAT IRRITATION, HEADACHE, NAUSEA, DROWSINESS,  
ABDOMINAL DISCOMFORT, NAUSEA, DIARRHE

A.

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

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

First Aid:EYES: FLUSH WITH WATER FOR SEVERAL MINUTES. GET MEDICAL  
ATTENTION IF IRRITATION PERSISTS. SKIN: WASH WITH SOAP AND WATER  
FOR SEVERAL MINUTES. GET MEDICAL ATTENTION IF IRRITATION PERSISTS.  
INGESTION: I F MORE THAN SEVERAL MOUTHFULS ARE SWALLOWED, GIVE 2  
GLASSES OF WATER. GET MEDICAL ATTE  
NTION. INHALATION: IF IRRITATION,  
HEADACHE, NAUSEA OCCURS, REMOVE TO FRESH AIR. GET MEDIAL ATTENTION  
IF PERSISTS.

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

Flash Point Method:COC  
Flash Point:360F,182C  
Autoignition Temp:Autoignition Temp Text:UNKNON  
Lower Limits:NOT GIVEN  
Upper Limits:NOT GIVEN  
Extinguishing Media:WATER SPRAY, DRY CHEMICAL, FOAM, CARBON DIOXIDE.  
USE WATER SPRAY TO COOL FIRE-EXPOSED CONTAINERS.  
Fire Fighting Procedures:NO SPECIAL EQUIPMENT  
OR PROCEDURES REQUIRED.  
Unusual Fire/Explosion Hazard:WATER OR FOAM MAY CAUSE FROTHING.  
HYDROGEN SULFIDE MAY BE RELEASED IF OVERHEATED.

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

Spill Release Procedures:VENTILATE AREA. AVOID BREATHING VAPOR. WEAR  
APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT. CONTAIN SPILL IF  
POSSIBLE. WIPE UP OR ABSORB ON SUITABLE MATERIAL AND SHOVEL UP.  
PREVENT ENTRY INTO SEWERS OR WAT ERWAYS.  
Neutralizing Agent:NONE SPECIFIED BY MANUFAC  
TURER.

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

Handling and Storage Precautions:PERIODS OF EXPOSURE TO HIGH  
TEMPERATURES SHOULD BE MINIMIZED. WATER CONTAMINATION SHOULD BE  
AVOIDED.  
Other Precautions:MINIMUM FEASIBLE HANDLING TEMPERATURE SHOULD BE  
MAINTAINED.

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

Respiratory Protection:AIRBORNE CONCENTRATIONS SHOULD BE KEPT AT LOWEST  
LEVELS POSSIBLE. IF VAPOR, MIST OR DUST IS GENERATED

AND THE

OCCUPATION LIMIT OF THE PRODUCT OR ANY COMPONENT OF THE PRODUCT IS EXCEEDED, USE APPROPRIATE NIOSH OR MSHA APPROVED RESPIRATOR.

Ventilation:ADEQUATE TO MEET COMPONENT OCCUPATIONAL EXPOSURE LIMIT.

Protective Gloves:NONE REQUIRED UNDER NORMAL CONDITIONS

Eye Protection:SAFETY GLASSES, CHEMICAL TYPE GOGGLES

Other Protective Equipment:CHEMICAL RESISTANT CLOTHING AS NECESSARY TO PREVENT SKIN CONTACT. AN EMERGENCY EYEWASH AND SHOWER SHOULD BE AVAILABLE.

Work Hygienic Practices:

WASH HANDS THOROUGHLY WITH SOAP AND WATER

BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES.

Supplemental Safety and Health

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.

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

HCC:V6

NRC/State Lic Num:NONE

Spec Gravity:0.8961

Appearance and Odor:RED GREEN BLOOM LIQUID, ODOR NOT DETERMINED

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZERS

Stability Condition to Avoid:UNDER EXTREME TEMPERATURE OR EXTENDED STORAGE PERIODS, HYDROGEN SULFIDE GAS MAY ACCUMULATE IN HEAD-SPACE OF CONTAINER.

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE, ALDEHYDES, KETONES, COMPOUNDS OF SULFUR, PHOSPHORUS.

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

Waste Disposal

Methods:PREVENT WASTE FROM CONTAMINATING SURROUNDING

ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR LINER IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

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