

TEXACO LUBRICANTS CO -- 00921, MULTIFAK EP 1 -- 9150-01-086-1989  
===== Product Identification =====

Product ID:00921, MULTIFAK EP 1  
MSDS Date:12/05/1990  
FSC:9150  
NIIN:01-086-1989  
MSDS Number: BMZJW  
=== Responsible Party ===  
Company Name:TEXACO LUBRICANTS CO  
Box:52332  
City:HOUSTON  
State:TX  
ZIP:77052  
Country:US  
Info Phone Num:914-838-7204;914-838-7509  
Emergency Phone Num:914-831-3400;800-424-9300(CHEMTREC)  
CAGE:OTTJ3  
=== Contractor Identification ===  
Company Name  
e: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:PHOSPHORODITHIOIC ACID, DIALKYL ESTER, ZINC SALT; (ZINC  
DIALKYLDITHIOPHOSPHATE)  
CAS:4259-15-8  
RTECS #:TD5550000  
Fraction by Wt: 1-3

.99%

Ingred Name:HYDROTREATED C25 BRIGHT STOCK BASED LUBRICATING OIL.  
PERCENTAGE (WT): 35-49.89. PEL/TLV AS OIL MIST.  
CAS:72623-83-7  
Fraction by Wt: SEE ING  
OSHA PEL:5 MG/M3  
ACGIH TLV:5 MG/M3; 10 STEL

Ingred Name:MINERAL OIL, PETROLEUM DISTILLATES, SOLVENT-DEWAXED HEAVY  
PARAFFINIC. PERCENTAGE (WT): 35-49.99. PEL/TLV AS OIL MIST.  
CAS:64742-65-0  
RTECS #:PY8038500  
Fraction by Wt: SEE ING  
OSHA PEL:5 MG/M3  
ACGIH TLV:5 MG/M3;10STEL

Ingred Name:LITHIUM 12 HYDROXYSTEARATE  
CAS:7620-77-1  
Fracti  
on by Wt: 4-10.99%

Ingred Name:SULFURIZED FATTY OIL  
CAS:68991-19-5  
Fraction by Wt: 1-3.99%

Ingred Name:SUPP DATA:CAUSE SEV INJURY, INCLUDING DISFIGUREMENT, LOSS  
OF FUNCTION/EVEN REQUIRE AMPUTATION OF AFFECTED AREA. (ING 7)  
RTECS #:9999999ZZ

Ingred Name:ING 6:TO PVNT SUCH SERIOUS INJURY, IMMEDIATE MED ATTN  
SHOULD BE SOUGHT EVEN IF THE INJECTION INJURY APPEARS TO BE MINOR.  
RTECS #:9999999ZZ

Ingred Name:FIRST AID PROC:OF MATL INTO SKIN, IF NOT PROPERLY TREATED,  
CAN CAUSE SEV INJURY.  
MOST DAM OCCURS DURING FIRST FEW (ING 9)  
RTECS #:9999999ZZ

Ingred Name:ING 8:HOURS. FAILURE TO DEBRIDE WOUND OF ALL RESIDUAL MATL  
CAN RESULT IN DISFIGUREMENT, LOSS OF FUNCTION, OR (ING 10)  
RTECS #:9999999ZZ

Ingred Name:ING 9:OR EVEN REQ AMPUTATION OF AFFECTED AREA. EXTENT OF  
INJURY CANNOT BE DETERMINED BY EXAMINING WOUND. X-RAY (ING 11)  
RTECS #:9999999ZZ

Ingred Name:ING 10:MAY REVEAL THE PRESENCE OF GAS IN TENDON  
SHEATHS/SOFT TISS. REMOVE & DRY-CLEAN/LAUNDER CLTHG SOAKED (ING 12)

RTECS #:9999999ZZ

Ingred Name:ING 11:OR SOILED W/MATL BEFORE REUSE. DRY CLEANING OF  
CONTAMD CLTHG MAY BE MORE EFTIVE THAN NORMAL LAUNDERING. (ING 13)  
RTECS #:9999999ZZ

Ingred Name:ING 12:INFORM INDIVIDUALS RESPONSIBLE FOR CLEANING OF  
POTENTIAL HAZARDS ASSOCD W/HANDLING CONTAMD CLTHG.  
RTECS #:9999999ZZ

Ingred Name:WASTE DISP METH:CRITERIA FOR HAZ WASTE. THIS IS BECAUSE  
PROD USES, TRANSFORMATIONS, MIXTURES, PROCESSES, ETC. (ING 15)  
RTECS #:9999999ZZ

Ingred Name:ING 14:MAY RENDER TH  
E RESULTING MATLS HAZARDOUS. DISPOSE OF  
I/A/W FEDERAL, STATE AND LOCAL REGULATIONS .  
RTECS #:9999999ZZ

Ingred Name:RESP PROT: VESSELS, OR OTHER CONFINED SPACES.  
RTECS #:9999999ZZ

Ingred Name:HYGIENE PRACT: DRY-CLEANED AT LEAST ONCE A WEEK.  
RTECS #:9999999ZZ

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

LD50 LC50 Mixture:LD50: (ORAL, RAT) >5 G/KG.  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Haz  
ards Acute and Chronic:ACUTE: EYE:MAY CAUSE MINIMAL IRRIT,  
EXPERIENCED AS TEMP DISCOMFORT. SKIN: NO ADVERSE EFTS EXPECTED FROM  
ABSORP OF MATL THRU SKIN. BRIEF CONT IS NOT IRRITATING. PRLNGD  
CONT, AS W/CLTHG WETTED W/MATL, M AY CAUSE DEFAT OF SKIN/IRRIT,  
SEEN AS LOCAL REDNESS W/POSS MILD DISCOMFORT. INHAL: PROD NOT VOLAT  
AT (EFTS OF OVEREXP)  
Explanation of Carcinogenicity:NOT RELEVANT  
Effects of Overexposure:HLTH HAZ:AMBIENT TEMPS. NO ADVERSE EFTS  
EXPECTED FROM VAP GENERAT

ED AT AMBIENT TEMPS. INGEST: NO ADVERSE  
EFTS EXPECTED. IF MORE THAN SEVERAL MOUTHFULS ARE SWALLOWED,  
ABDOMINAL DISCOMFORT, NAUS & DIARR MAY OCCUR. SENSIT PROPERTIES:  
UNKNOWN.CHRONIC: NO ADVERSE EFTS ANTICIPATED. OTHER REMARKS: MATL  
FROM HIGH (SUPP DATA)

Medical Cond Aggravated by Exposure:BECAUSE OF ITS DEFATTING  
PROPERTIES, PROLONGED AND REPEATED SKIN CONTACT MAY AGGRAVATE AN  
EXISTING DERMATITIS (SKIN CONDITION).

===== First Aid Measures =====  
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First Aid:EYES: FLUSH W/PLENTY OF WATER FOR AT LEAST 15 MIN. GET MED  
ATTN IF IRRIT PERSISTS. SKIN: WASH W/PLENTY OF SOAP & WATER FOR  
SEVERAL MIN. GET MED ATTN IF IRRIT DEVELOPS/PERSISTS. INGEST: IF  
MORE THAN SE VERAL MOUTHFULS HAVE BEEN SWALLOWED, GIVE 2 GLASSES OF  
WATER (16 OZ.). GET MED ATTN. INHAL: IF IRRIT/DROW OCCURS, REMOVE  
FO FRESH AIR. OTHER INSTRUCTION: NOTE TO MD: HIGH PRESS INJECTION  
(ING 8)

===== Fire Fighting Measures =====  
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Extinguishing Media:ACCORDING TO NFPA GUIDE, USE WATER SPRAY, DRY  
CHEMICAL, FOAM, OR CARBON DIOXIDE.  
Fire Fighting Procedures:WEAR NIOSH/MSHA APPRVD SCBA & FULL PROT EQUIP  
. WATER/FOAM MAY CAUSE FROTHING. USE WATER TO COOL FIRE-EXPOS  
CNTNRS. IF A LEAK /SPILL HAS NOT (SUPP DATA)  
Unusual Fire/Explosion Hazard:NONE

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

Spill Release Procedures:CONTAIN SPILL IF POSSIBLE, WITH ABSORBENT  
MATERIALS SUCH AS C  
LAY OR SOIL, AND SHOVEL UP. AVOID SKIN AND EYE  
CONTACT.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:MINIMUM FEASIBLE HANDLING TEMPS SHOULD  
BE MAINTAINED. PERIODS OF EXPOS TO HIGH TEMPS SHOULD BE MINIMIZED.  
WATER CONTAM SHOULD BE AVOIDED.  
Other Precautions:READ AND UNDERSTAND MSDS BEFORE HANDLING/DISPOSING OF  
PRODUCT.

===== Exposure Controls/Personal Protection

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Respiratory Protection: AIRBORNE CONC SHOULD BE KEPT TO LOWEST LEVELS POSS. IF VAP, MIST/DUST IS GENERATED, USE RESPIRATOR APPRVD BY NIOSH/MSHA AS APPROP. NIOSH/MSHA APPRVD SUPPLIED AIR RESP PROT SHOULD BE USED FOR CLEANING L G SPILLS/UPON ENTRY INTO TANKS, (ING 16)

Ventilation: ADEQUATE TO MEET COMPONENT OCCUPATIONAL EXPOSURE LIMITS.

Protective Gloves: IMPERVIOUS GLOVES .

Eye Protection: CHEM WORK GOG/FULL LGTH FSHLD .

Other Protective Equipment: NONE SPECIFIED BY MANUF ACTURER.

Work Hygienic Practices: WORKERS SHOULD WASH EXPOSED SKIN SEVERAL TIMES DAILY W/SOAP & WATER. SOILED WORK CLTHG SHOULD BE LAUNDERED OR (ING 17)

Supplemental Safety and Health

FIRE FIGHT PROC: IGNITED, USE WATER SPRAY TO DISPERSE VAPS & TO PROVIDE PROT FOR PERS ATTEMPTING TO STOP LEAK. HAZ DECOMP

PROD: PRODUCTS/COMPOUNDS OF PHOSPHORUS, LITHIUM, SULFUR, ZINC. HLTH HAZ: PRESS EQ UIP, PINHOLE LEAKS/HIGH PRESS LINE FAILURE CAN PENETRATE SKIN & IF NOT PROPERLY TREATED CAN

(ING 6)

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

HCC: V6

Vapor Pres: NEGLIGIBLE

Solubility in Water: NEGLIG

Appearance and Odor: BROWN SEMI-SOLID

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

Stability Indicator/Materials to Avoid: YES

STRONG OXIDIZERS.

Stability Condition to Avoid: NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products: PRODS EVOLVED WHEN SUBJECTED TO HEAT/COMBUST: TOX LEVELS OF CO/CO\*2/IRRITATING ALDEHYDES & KETONES &

COMBUST (SUPP DATA)

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

Waste Disposal Methods: PROD HAS BEEN EVALUATED FOR RCRA CHARACTERISTICS & DOES NOT MEET THE CRITERIA OF A HAZ WASTE IF DISCARDED IN ITS PURCHASED FORM. UNDER RCRA, IT IS THE RESPONSIBILITY OF USER OF PROD TO DETERMINE AT TI ME OF DISP, WHETHER PROD MEETS RCRA (ING 14)

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