

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(C

HEMTREC)

CAGE:OTTJ3

=== Contractor 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:PHOSPHORODITHIOIC ACID, DIALKYL ESTER, ZINC SALT; (ZINC
DIALKYLDIT

HIOPHOSPHATE)
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;10
STEL

Ingred Name:LITHIUM 12 HYDROXYSTEARATE
CAS:7620-77-1
Fraction 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 M
ATL 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
SHE

ATHS/SOFT TISS. REMOVE & DRY-CLEAN/LAUNDRER CLTHG SOAKED (ING 12)
RTECS #:9999999ZZ

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

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

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

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

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

Inged 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:YE

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

Health Hazards 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 GENERATED 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 CONDI TION).

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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)

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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

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

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Handling and Storage
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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 =====

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/FUL

L LGTH FSHLD .

Other Protective Equipment: NONE SPECIFIED BY MANUFACTURER.

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 L

INE 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 HE

AT/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, WHETER PROD MEETS RCRA (ING14)

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