

TEXACO LUBRICANTS CO -- 00921 MULTIFAK EP 1 -- 9150-01-086-1989

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

Product ID:00921 MULTIFAK EP 1

MSDS Date:01/04/1995

FSC:9150

NIIN:01-086-1989

MSDS Number: CBQQH

=== Responsible Party ===

Company Name:TEXACO LUBRICANTS CO

Box:4427

City:HOUSTON

State:TX

ZIP:77210-4427

Country:US

Info Phone Num:914-838-9204

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

CA

GE: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:MINERAL OIL; (LUBRICATING OILS (PETROLEUM), C>25,
HYDROTREATED BRIGHT STOCK-B

ASED) %:35-49.99
CAS:72623-83-7
Fraction by Wt: >0.1%
OSHA PEL:N/K
ACGIH TLV:N/K

Ingred Name:MINERAL OIL, PETROL DISTILL, SOLV DEWAXED (SEV), HVY
PARAFFINIC; (SEVERELY SOLV REFINED, SOLV-DEWAXED HVY (ING 3)
CAS:64742-65-0
RTECS #:PY8038501
Fraction by Wt: >0.1%
OSHA PEL:N/K
ACGIH TLV:N/K

Ingred Name:ING 2:PARAFFINIC PETROLEUM DISTILLATES) %:35-49.99
RTECS #:9999999ZZ

Ingred Name:LITHIUM 12 HYDROXYSTEARATE
CAS:7620-77-1
Fraction by Wt: 3-9.99%
OSHA PEL:N/K
ACGIH TLV:N/K

Ingred Name:
FATS ANIMAL, MIXED WITH VEGETABLE OIL, METHYL ESTERS,
SULFURIZED
CAS:68991-70-8
Fraction by Wt: 3-9.99%
OSHA PEL:N/K
ACGIH TLV:N/K

Ingred Name:PHOSPHORODITHIOIC ACID, DIALKYL ESTER, ZINC SALT; (ZINC
DIALKYLDITHIOPHOSPHATE)
CAS:4259-15-8
RTECS #:TD5550000
Fraction by Wt: 1-2.99%
OSHA PEL:N/K
ACGIH TLV:N/K

Ingred Name:EFTS OF OVEREXP:HAVE BEEN DOCUMENTED IN HUMANS AS RSLT OF
CHRONIC EXPOS. OTHER REMARKS:MATL FROM HIGH PRESS (ING 8)
RTECS #:9999999ZZ

Ingred Name:ING 7:EQUIP, PINH

OLE LEAKS/HIGH PRESS LINE FAILURE CAN

PENETRATE SKIN &, IF NOT PROPERLY TREATED, CAN CAUSE SEV (ING 9)

RTECS #:9999999ZZ

Ingred Name:ING 8:INJURY, INCLUDING DISFIGUREMENT, LOSS OF

FUNCTION/EVEN REQ AMPUTATION OF AFFECTED AREA. TO PVNT SUCH (ING 10)

RTECS #:9999999ZZ

Ingred Name:ING 9:SERIOUS INJURY, IMMED MED ATTN SHOULD BE SOUGHT EVEN IF INJECTION INJURY APPEARS TO BE MINOR. WHEN (ING 11)

RTECS #:9999999ZZ

Ingred Name:ING 10:OVERHEATED, PROD MAY RELS HYDROGEN SULFIDE (H*2S)

GAS. H*2S CONCS ABOVE PERMISSIBLE CONCS CAN CAUSE IRRIT(ING 12)

RTECS #:9999999ZZ

Ingred Name:ING 11:OF EYES & RESP TRACT, HDCH, DIZZ, NAUS, VOMIT, DIARR & PULM EDEMA. AT CONCS >300 PPM, RESP PARALYSIS, (ING 13)

RTECS #:9999999ZZ

Ingred Name:ING 12:CAUSING UNCON & DEATH, CAN OCCUR. TOX

INFO:INGEST:PRACTICALLY NON-TOX. INHAL & SENSIT:NOT DETERM.

SKIN:(ING 14)

RTECS #:9999999ZZ

Ingred Name:ING 13:PRACTICALLY NON-TOX. (DRAIZE) BELIEVED TO BE >0.50-3.00 (RABBIT) SLIGHTLY IRRIT.

EYES:(DRAIZE) BELIEVED (ING 15)

RTECS #:9999999ZZ

Ingred Name:ING 14:TO BE 5.00 G/KG

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 MIN IRRIT, EXPER

AS TEMP DISCOMFORT. SKIN:BRIEF CONT MAY CAUSE SLIGHT IRRIT. PRLNGD

CONT, AS W/CLTHG WETTED W/MATL, MAY CAUSE MORE SEV IRRIT &

DISCOMFORT, SEEN AS LOC REDNESS & SW ELLING. OTHER THAN POTNTL SKIN IRRIT EFTS NOTED, ACUTE

(SHORT TERM) ADVERSE EFTS ARE NOT EXPECTED

(EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT

Effects of Overexposure:HLTH HAZS:FROM BRIEF CONT; SEE OTHER EFTS & TOX EFTS. INHAL:PROD NOT VOLAT AT AMBIENT TEMPS. VAPS/MIST IN HIGH CONCS, AS GENERATED FROM SPRAYING/HEATING IN ENCLSD SPACE, MAY CAUSE MIN IRRIT. INGEST:IF MORE THAN SEVERAL MOUTHFULS ARE SWALLOWED, ABDOM DISCOMFORT, NAUS & DIARR MAY OCCUR. CHRONIC:NO ADVERSE EFTS (ING 7)

Medical Cond Aggravated by Ex

posure:BECAUSE OF ITS IRRITATING

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

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

First Aid:EYES:FLUSH W/PLENTY OF WATER FOR @ LST 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 SEVERAL MOUTHFULS ARE SWALLOWED, GIVE 2 GLASSESOF WATER (16 OZ). GET MED ATTN. I

NHAL:IF IRRIT, HDCH/DROW OCCURS, REMOVE TO FRESH AIR. OTHER INSTRUCTIONS:HIGH PRESS INJECTION OF MATL CAN CAUSE SEV (ING 16)

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

Extinguishing Media:USE WATER SPRAY, DRY CHEMICAL, FOAM OR CARBON DIOXIDE TO EXTINGUISH FLAMES.

Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT . USE WATER SPRAY TO COOL FIRE-EXPOSED CONTAINERS. WATER OR FOAM MAY CAUSE FROTHING.

Unusual Fire/Explosi

on Hazard:HYDROGEN SULFIDE (H*2S) MAY BE RELEASED IF OVERHEATED.

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

Spill Release Procedures:CONTAIN SPILL IF POSSIBLE, CONTAIN 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 =====

Handling and Storage Precautions:MIN FEASIBLE HNDLG TEMPS SHOULD BE MAINTIANED

. PERIODS OF EXPOS TO HIGH TEMPS SHOULD BE MIN. WATER
CONTAM SHOULD BE AVOIDED.

Other Precautions:AVOID PRLNGD BRTHG OF VAP, MIST/GAS. MISUSE OF EMPTY
CNTNRS CAN BE HAZ. EMPTY CNTNRS CAN BE HAZ IF USED TO STORE TOX,
FLAM/REACTIVE MATLS. CUTTING/WELDING OF EMPTY CNTNRS MIGHT CAUSE
FIRE, EXPLO/TOX F UMES FROM RESIDUES. DO NOT (ING 20)

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

Respiratory Protection:AIRBORNE CONCS SHOULD BE KEPT TO LOWEST LEVELS
POSS.

IF VAP, MIST/DUST IS GENERATED & OCCUP EXPOS LIM OF PROD/ANY
COMPONENT OF PROD IS EXCEEDED, USE APPROP NIOSH/MSHA APPRVD AIR
PURIFYING/AIR SUPPLIED RESP AFTER DETERMINING (ING 21)

Ventilation:ADEQUATE TO MEET COMPONENT OCCUPATIONAL EXPOSURE LIMITS.

Protective Gloves:IMPERVIOUS GLOVES .

Eye Protection:ANSI APPROVED CHEM WORKERS GOGGS .

Other Protective Equipment:ANSI APPROVED EMERGENCY EYE WASH AND DELUGE
SHOWER .

Work Hygienic Practices:WORKERS SHOULD WASH EXPOSED SKIN SEVERAL TIME
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DAILY W/SOAP & WATER. SOILED WORK CLTHG SHOULD BE
LAUNDERED/DRY-CLEANED.

Supplemental Safety and Health

MATLS TO AVOID:GAS MAY ACCUM IN HEAD-SPACE OF CNTNR. HAZ DECOMP
PRODS:LITHIUM, SULFUR (MAY INCLUDE HYDROGEN SULFIDE), ZINC. WASTE
DISP METH:PROD MEETS RCRA CRITERIA FOR HAZ WASTE. THIS IS BECAUSE
PROD USES, TRANSFORMS, MIX, PROCESSES, ETC MAY RENDER RESULTING
MATERIAL HAZARD.

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

HCC:V6

Vapor Pres: