

EXXON CO -- 86511 LI EP MOLY POL (9042) -- 9150-01-015-1542

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

Product ID:86511 LI EP MOLY POL (9042)

MSDS Date:02/08/1999

FSC:9150

NIIN:01-015-1542

Status Code:A

MSDS Number: CLCKD

=== Responsible Party ===

Company Name:EXXON CO

Box:2180

City:HOUSTON

State:TX

ZIP:77252-2180

Country:US

Info Phone Num:713-656-3424

Emergency Phone Num:281-834-3296

Chemtec Ind/Phone:

(800)424-9300

CAGE:27900

=== Contractor Identification ===

Company Name:EXXON CO

Box:2180

City:HOUSTON

State:TX

ZIP:77252-2180

Country:US

Phone:713-656-3424

CAGE:27900

Company Name:EXXON CO USA; A DIV OF EXXON CORPORATION

Address:Box:2180

City:HOUSTON

State:TX

ZIP:77252-2180

Country:US

Phone:713-656-5949

CAGE:KO926

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

= Wt:86.

OSHA PEL:5 MG/M3 (OIL MIST)

ACGIH TLV:5 MG/M3 (OIL MIST)

ACGIH STEL:10 MG/M3 (OIL MIST)

Ingred Name:RESI

DUAL OILS (PETROLEUM), SOLVENT-REFINED
CAS:64742-01-4

Ingred Name:LUBRICATING OILS (PETROLEUM), HYDROTREATED SPENT
CAS:64742-58-1

Ingred Name:LUBRICATING OILS (PETROLEUM), C>25, HYDROTREATED BRIGHT
STOCK-BASED
CAS:72623-83-7

Ingred Name:RESIDUAL OILS (PETROLEUM), SOLVENT-DEWAXED
CAS:64742-62-7

Ingred Name:RESIDUAL OILS (PETROLEUM), HYDROTREATED
CAS:64742-57-0

Ingred Name:DISTILLATES (PETROLEUM), SOLVENT-REFINED HEAVY PARAFFINIC
CAS:64741-88-4
RTECS #:PY8040500

Ingred Name:DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC
CAS:64742-65-0
RTECS #:PY8038500

Ingred Name:DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC
CAS:64742-52-5
RTECS #:PY8035000

Ingred Name:DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC
CAS:64742-54-7
RTECS #:PY8035500

Ingred Name:LITHIUM SOAP THICKENER
= Wt:6.

Ingred Name:MOLYBDENUM DISULFIDE
CAS:1317-33-5
RTECS #:QA4697000
= Wt:1.

Ingred Name:PROPRIETARY ADDITIVES
= Wt:7.

==== Hazards Identification =====

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LD50 LC50 Mixture:> 5 G/KG

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

Health Hazards Acute and Chronic:NONE WHEN USED WITH GOOD PERSONAL HYGIENE PRACTICES. MAY OTHERWISE CAUSE SKIN AND EYE IRRITATION UPON PROLONGED OR REPEATED CONTACT. ACUTE TOXICOLOGICAL PROPERTIES: NO DATA AVAILABLE. PROLONGED OR REPEATED SKIN CONTACT WITH THIS PRODUCT TENDS TO REMOVE SKIN OILS, POSSIBLY LEADING TO IRRITATION AND DERMATITIS. INGESTION: MINUTE AMOUNTS ASPIRATED INTO THE LUNGS

DURING INGESTION OR VOMITING MAY CAUSE MILD TO SEVERE PULMONARY INJURY AND POSSIBLY.

Explanation of Carcinogenicity:IN ACCORDANCE WITH THE CURRENT OSHA COMMUNICATION STANDARD CRITERIA, THIS PRODUCT DOES NOT REQUIRE A CANCER HAZARD WARNING. THIS IS BECAUSE THE PRODUCT IS FORMULATED FROM BASE STOCKS WHICH ARE SEVERELY HYDROTREATED, SEVERELY SOLVENT EXTRACTED AND/OR PROCESSED BY MILD HYDROTREATMENT AND EXTRACTION.

Effects of Overexposure:NONE WHEN USED WITH GOOD PERSONAL HYGIENE

PRACTICES. MAY OTHERWISE CAUSE SKIN AND EYE IRRITATION UPON PROLONGED OR REPEATED CONTACT. ACUTE TOXICOLOGICAL PROPERTIES: NO DATA AVAILABLE. PROLONGED OR REPEATED SKIN CONTACT WITH THIS PRODUCT TENDS TO REMOVE SKIN OILS, POSSIBLY LEADING TO IRRITATION AND DERMATITIS. INGESTION: MINUTE AMOUNTS ASPIRATED INTO THE LUNGS DURING INGESTION OR VOMITING MAY CAUSE MILD TO SEVERE PULMONARY INJURY AND POSSIBLY.

Medical Cond Aggravated by Exposure:NONE RECOGNIZED

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

First Aid:EYE: IF LUBRICANT GETS INTO THE EYES, FLUSH WITH CLEAR WATER FOR 15 MINUTES OR UNTIL IRRITATION SUBSIDES. IF IRRITATION PERSISTS, CALL A PHYSICIAN. SKIN: IN CASE OF SKIN CONTACT, REMOVE ANY CONTAMINATED CLOTHING AND WASH SKIN WITH SOAP AND WATER. LAUNDRY OR DRY-CLEAN CLOTHING BEFORE REUSE. IF PRODUCT IS INJECTED INTO OR UNDER THE SKIN, OR INTO ANY PART OF THE BODY, REGARDLESS OF THE APPEARANCE

OF THE WOUND OR ITS SIZE, THE INDIVIDUAL SHOULD BE EVALUATED IMMEDIATELY BY A PHYSICIAN AS A SURGICAL EMERGENCY.

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

Flash Point Method:COC

Flash Point:>180.C, 356.F

Extinguishing Media:FOAM, WATER SPRAY(FOG), DRY CHEMICAL, CARBON DIOXIDE AND VAPORIZING LIQUID TYPE EXTINGUISHING AGENTS MAY ALL BE SUITABLE FOR EXTINGUISHING FIRES INVOLVING THIS TYPE OF PRODUCT.

Fire Fighting Procedures:USE WATER SPRAY, DRY CHEMICAL,

FOAM OR CARBON

DIOXIDE TO EXTINGUISH THE FIRE. USE WATER TO KEEP FIRE-EXPOSED CONTAINERS COOL. USE SUPPLIED AIR BREATHING EQUIPMENT FOR ENCLOSED OR CONFINED SPACES OR AS OTHERWISE NEEDED.

Unusual Fire/Explosion Hazard:EMPTY CONTAINERS RETAIN RESIDUE(LIQUID AND/OR VAPOR) AND CAN BE DANGEROUS. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

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

Spill Release Procedures:RECOVER FREE PRODUCT. ADD SAND, EARTH, OR OTHER SUITABLE ABSORBENT TO SPILL AREA. MINIMIZE SKIN CONTACT. KEEP PRODUCT OUT OF SEWERS AND WATERCOURSES BY DIKING OR IMPOUNDING. ADVISE AUTHORITIES IF PRODUCT HAS ENTERED OR MAY ENTER SEWERS, WATERCOURSES, OR EXTENSIVE LAND AREAS. ASSURE CONFORMITY WITH APPLICABLE GOVERNMENTAL REGULATIONS.

Neutralizing Agent:NO DATA PROVIDED BY MANUFACTURER.

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

Handling and Storage Precautions:USE PRODUCT WITH CAUTION AROUND HEAT, SPARKS, PILOT LIGHTS, STATIC ELECTRICITY, AND OPEN FLAME. KEEP CONTAINERS CLOSED WHEN NOT IN USE. DO NOT STORE NEAR HEAT, SPARKS, FLAME OR STRONG OXIDANTS. USE PRODUCT WITH CAUTION AROUND HEAT, SPARKS, PILOT LIGHTS, STATIC ELECTRICITY, AND OPEN FLAME.

Other Precautions:EMPTY DRUM:EMPTY DRUM SHOULD BE COMPLETELY DRAINED, PROPERLY BUNGED AND RETURNED TO A DRUM RECONDITIONER. EMPTY DRUM LINER:DO NOT REUSE LINERS FOR ANY PURPOSE WHATSOEVER. LINERS SHOULD BE EMPTIED OF CONTENTS TO THE MAXIMUM EXTENT PRACTICAL, THEN SEGREGATED FROM LINERS CONTAINING OTHER PRODUCTS.

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

Respiratory Protection:USE SUPPLIED-AIR RESPIRATORY PROTECTION IN CONFINED OR ENCLOSED SPACES, IF NEEDED.

Ventilation:USE LOCAL EXHAUST TO CAPTURE VAPOR, MI

STS, OR FUMES, IF

NECESSARY. NO SMOKING, OR USE OF FLAME OR OTHER IGNITION SOURCES.

Protective Gloves:CHEMICAL-RESISTANT GLOVES

Eye Protection:SPLASH GOGGLES OR FACE SHIELD

Other Protective Equipment:USE CHEMICAL-RESISTANT APRON OR OTHER

IMPERVIOUS CLOTHING, IF NEEDED, TO AVOID CONTAMINATING REGULAR

CLOTHING, WHICH COULD RESULT IN PROLONGED OR REPEATED SKIN CONTACT

Work Hygienic Practices:MINIMIZE BREATHING VAPOR, MIST OR FUMES. AVOID

PROLONGED OR REPEATED CONTACT WITH SKIN. REMO

VE CONTAMINATED

CLOTHING; LAUNDER OR DRY-CLEAN BEFORE RE-USE. REMOVE CONTAMINATED

SHOES & THOROUGHLY CLEANED

Supplemental Safety and Health

HEALTH STUDIES HAVE SHOWN THAT MANY PETROLEUM HYDROCARBONS AND

SYNTHETIC LUBRICANTS POSE POTENTIAL HUMAN HEALTH RISKS WHICH MAY

VARY FROM PERSON TO PERSON. AS A PRECAUTION, EXPOSURE TO LIQUIDS,

VAPORS , MISTS OR FUMES SHOULD BE MINIMIZED.

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

HCC:V6

Boiling Pt:B.P. Text:NO

T AVAILABLE

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

Vapor Pres:NOT AVAILABLE

Spec Gravity:.892

pH:NOT AVAILABLE

Viscosity:>100 SUS @ 100F

Evaporation Rate & Reference:NOT AVAILABLE

Solubility in Water:NEGLIGIBLE

Appearance and Odor:GRAY GREASE MINERAL OIL ODOR

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

Stability Indicator/Materials to Avoid:YES

AVOID CONTACT WITH STRONG OXIDANTS SUCH AS LIQUID CHLORINE,
CONCENTRATED OXYGEN, SODIUM HYPOCHLORITE, CALCIUM HYPOCH
LORITE,

ETC., AS THIS PRESENTS A SERIOUS EXPLOSION HAZARD

Stability Condition to Avoid:THIS PRODUCT IS STABLE AND WILL NOT REACT
VIOLENTLY WITH WATER

Hazardous Decomposition Products:CARBON MONOXIDE AND CARBON DIOXIDE

FROM BURNING. OXIDES OF PHOSPHOROUS FROM BURNING, OXIDES OF SULFUR,

OXIDES OF NITROGEN, SULFUR DIOXIDE OR HYDROGEN SULFIDE, DEPENDING

UPON DECOMPOSITION CONDITIONS

Conditions to Avoid Polymerization:WILL NOT OCCUR

===== Toxicological Information

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Toxicological Information:NO DATA PROVIDED BY MANUFACTURER.

===== Ecological Information =====

Ecological:NO DATA PROVIDED BY MANUFACTURER.

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

Waste Disposal Methods:ALL OTHER CONTAINERS SHOULD BE DISPOSED OF IN AN ENVIRONMENTALLY SAFE MANNER AND IN ACCORDANCE WITH GOVERNMENTAL REGULATIONS. DISPOSE EMPTY LINERS IN AN ENVIRONMENTALLY SAFE MANNER AND IN ACCORDANCE WITH GOVERNMENTAL REGULATIONS.

===== MSDS Transport Information =====

Transport Information:U.S. DOT HAZARDOUS MATERIALS SHIPPING DESCRIPTION: NOT REGULATED.

===== Regulatory Information =====

SARA Title III Information:TPQ, EPA REGULATION 40 CFR 355 (SARA SECTIONS 301-304): NO TPQ FOR PRODUCT OR ANY CONSTITUENT GREATER THAN 1% OR 0.1% (CARCINOGEN). TOXIC CHEMICAL RELEASE REPORTING, EPA REGULATION 40 CFR 372 (S

ARA SECTION 313): THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICAL CATEGORY(IES) SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 19 86 AND 40 CFR PART 372 (MAXIMUM PERCENT BY WEIGHT IS ALSO PROVIDED): ZINC COMPOUNDS, MAXIMUM % IS 1.8%. HAZARDOUS CHEMICAL REPORTING, EPA REGULATION 40 CFR 370 (SARA SECTIONS 311-312): EPA HAZARD CLASS I FICATION CODE: NOT APPLICABLE.

Federal Regulatory Information:
ALL COMPONENTS OF THIS PRODUCT ARE LISTED ON THE U.S. TSCA INVENTORY. CLEAN WATER ACT/OIL POLLUTION ACT: THIS PRODUCT MAY BE CLASSIFIED AS AN OIL UNDER SECTION 311 OF THE CLEAN WATER ACT AND UNDER THE OIL POLLUTIONA CT. DISCHARGES OR SPILLS INTO OR LEADING TO SURFACE WATERS THAT MAY CAUSE A SHEEN MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER (800-424-8802).

State Regulatory Information:NO DATA PROVIDED BY MANUFACTURER.

===== Other Information =====

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assume responsibility for the suitability of this information to their
p
articular situation.