

MSDS No. 523

MATERIAL SAFETY DATA SHEET**Warren Unilube, Inc.**

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PRODUCT IDENTIFICATION

Trade Name: Coastal Industrial Moly EP Grease Date Revised: February 19, 2004

Synonyms/Product Code: N.A.

Chemical Name: Petroleum Hydrocarbons

Family Description: A complex combination of petroleum hydrocarbons containing soaps and additives.

DOT Hazard Class: Not Available

NFPA Codes: Health=0, Flammability=1, Reactivity=0

COMPOSITION

<u>Product</u>	<u>CAS Number</u>	<u>Wt%</u>	<u>Occupational Exposure Limits*</u>			<u>Units</u>
			<u>OSHA</u>	<u>ACGIH</u>	<u>Other</u>	
			<u>PEL</u>	<u>TLV</u>		
Coastal Industrial Moly EP Grease	Mixture	100	N.A.	N.A.		
<hr/> <u>Ingredient(s):</u> <hr/>						
Petroleum Hydrocarbon Lubricant	N.A.	>88	5	5	10 STEL	mg/m ^{3**}
Soap and additives	N.A.	<12	N.A.	N.A.		

* = 8-Hr. TWA unless otherwise specified.

** = As mineral oil mist.

STEL = Short Term Exposure Limit; 15 minutes.

N.A. = Not Available

PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point 760 mmHg:	N.A.	Melting Point: 380°F
Vapor Pressure mmHg @ 100°F:	N.A.	(dropping pt.)
Solubility in H ₂ O%:	Insoluble	Vapor Density (air=1): N.A.
Specific Gravity (H ₂ O):	0.97	PH: N.A.
% Volatile by Volume:	N.A.	Evaporation Rate: N.A.
Viscosity (method, temp):	187 cSt @ 40°C	(ethyl ether=1)
Appearance: Dark amber grease		Odor: Mild petroleum odor

N.A. = Not Available

FIRE AND EXPLOSION DATA

Flash Point:	460°F (Cleveland Open Cup)
Flammable Limits in Air % by Vol.:	Lower: N.A. Upper: N.A.
Autoignition Temperature:	N.A.
Extinguishing Media:	Dry chemical, foam, carbon dioxide or water spray.
Special Fire Fighting Procedure:	Water spray may be ineffective on flames but should be used to keep fire-exposed containers cool. Firefighters should wear self-contained breathing apparatus.
Unusual Fire or Explosion Hazard:	Will not flash spontaneously. May ignite if exposed to open flame.

REACTIVITY DATA

Stability:	Stable
Hazardous Polymerization:	Will not occur.
Conditions to Avoid/Incompatibility:	Strong oxidizing agents, heat, spark, flame and build-up of static electricity.
Hazardous Decomposition Products:	Incomplete combustion can yield carbon monoxide and various hydrocarbons.

HEALTH HAZARD DATA

This product has not been tested as a whole to determine its specific health hazards. The information provided in this section is based on health hazard information on the product components.

Carcinogenicity: NTP: No	IARC Monographs: No	OSHA Regulated: No
Occupational Exposure Limits:	See <u>COMPOSITION</u> section.	

Effects of Overexposure:**Acute:**

Eyes:	An irritant, based on health hazard data of components.
Skin:	The primary hazard associated with the use of grease is its accidental injection under the skin with a high pressure gun. If injected under the skin, necrosis could occur.
Inhalation:	Due to the low vapor pressure of this product under ambient conditions, inhalation is not normally a problem.
Ingestion:	Ingestion hazards include possible irritation, nausea, or diarrhea.

Chronic: Frequent or prolonged contact may cause skin irritation.

Additional Medical and Toxicological Information: May aggravate pre-existing dermatitis.

EMERGENCY FIRST AID PROCEDURES

Eye Contact: Flush thoroughly with water for at least 15 minutes, occasionally lifting the lower and upper lids. Get medical attention if redness or irritation occurs.

Skin Contact: Remove contaminated clothing. Wash affected areas with soap and water. If irritation occurs, get medical help.

Inhalation: Remove to fresh air. Apply artificial respiration if not breathing. Get medical attention.

Ingestion: Do not induce vomiting. If spontaneous vomiting occurs hold the victim's head lower than hips to prevent aspiration.

SPECIAL PROTECTION INFORMATION

Eye Protection: Remove contact lenses and wear chemical safety goggles, safety glasses, or face shield where contact with the product or mist may occur.

Skin Protection: Wear impervious gloves such as nitrile or neoprene or other materials resistant to petroleum oils when contact with skin may occur.

Inhalation: Use approved respiratory protective equipment for situations where exposure to mist may exceed occupational exposure levels.

Ventilation: Provide adequate ventilation to keep mist or vapors below occupational exposure levels, if applicable.

SPILL OR LEAK AND DISPOSAL PROCEDURES

Spill Procedures: Remove sources of heat or ignition including internal combustion engines and power tools. Remove spilled material and place in containers for disposal. Use approved respirator where occupational exposure limits for oil mist may be exceeded.

Waste Disposal: Dispose through a licensed waste disposal company. Follow federal, state and local regulation.

SPECIAL PRECAUTIONS AND COMMENTS

Storage Requirements: Store in tightly closed containers in a dry cool place, away from sources of heat, ignition or strong oxidizers. Ground and bond all transfer and storage equipment.

SARA TITLE III INFORMATION

Section 311/312 Hazard Categorization

<u>Acute</u>	<u>Chronic</u>	<u>Fire</u>	<u>Pressure</u>	<u>Reactive</u>
	X			

SARA Hazardous Substances

<u>Ingredient</u>	<u>CAS No.</u>	<u>%, wt</u>	<u>Sec 313</u>	<u>Sec 302</u>	<u>RQ, lb</u>	<u>TPQ, lb</u>
None						

Key: Sec 313 = Toxic Chemicals, Section 313
Sec 302 = Extremely Hazardous Substances (EHS)
RQ = Reportable Quantity of EHS
TPQ = Threshold Planning Quantity of EHS

CALIFORNIA PROPOSITION 65 WARNING

Chemicals known to the State of California to cause cancer, birth defects or other reproductive harm may be found in the petroleum products. Although it is possible to sufficiently refine the petroleum products to remove the potential for cancer, we are advising that one or more of the listed chemicals may be present in some detectable quantities. Read and follow directions and use care when handling these petroleum products.

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