

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

Address: 915 E. Jefferson Ave.
West Memphis, AR 72301

Phone: (800) 428-9284

Chemtrec Number:
Domestic: 800-424-9300
International: 703-527-3887

PRODUCT IDENTIFICATION

Trade Name: Coastal® UNIFLEX HIGH-TEMP GREASE

Date Revised: September 12, 2006

Synonyms/product Code: Multi-purpose High-Temp Extreme Pressure #2 Grease

Chemical Name: Petroleum Hydrocarbons

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

DOT Hazard Class: Not Hazardous

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

COMPOSITION**Occupational Exposure Limits***

<u>Product</u>	<u>CAS Number</u>	<u>Wt%</u>	<u>Occupational Exposure Limits*</u>			<u>Units</u>
			<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>Other</u>	
Coastal® Uniflex High-Temp Grease ***	Mixture	100	N.A.	N.A.		

Ingredient(s):

Petroleum Hydrocarbon	64742-52-5	50-75	5	5	10 STEL	mg/m ^{***}
Lithium Stearate Soap	7620-77-1	5-20	N.A.	N.A.		
Lithium Azelate Soap	38900-29-7	1-5	N.A.	N.A.		
Petroleum Hydrocarbon	64742-62-7	5-20	5	5	10 STEL	mg/m ^{***}
Organozinc Comp-5115	Proprietary	1-5	N.A.	N.A.		
Petroleum Hydrocarbon	64742-65-0	5-20	5	5	10 STEL	mg/m ^{***}

* = 8-Hr. TWA unless otherwise specified.

** = As mineral oil Mist

*** = All ingredients in this product are listed in the T.S.C.A. Inventory.

N.A. = Not Available

STEL = Short Term Exposure Limit; 15 minutes.

PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point 760 mmHg:	N.A.	Melting Point: 500
Vapor Pressure mmHg @ 100F:	N.A.	Vapor Density (air=1): N.A.
Solubility in H ₂ O %:	Nil.	pH: N.A.
Specific Gravity (H ₂ O):	.97	Evaporation Rate (ethyl ether =1):
% Volatile by Volume:	N.A.	Odor: Slight hydrocarbon odor
Viscosity (method, temp):	720 cSt @ 100 F	Appearance: Amber Grease

N.A. = Not Available

FIRE AND EXPLOSION DATA

Flash Point:	445 F COC	
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:	May ignite when sufficient heat is applied.	

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:	Hydrogen sulfide, carbon monoxide, carbon dioxide, aldehydes, ketones, combustion products of sulfur and nitrogen, and oxides of calcium, phosphorus and zinc.

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: Based on health hazard data of components, this is an irritant.

- Skin:** An irritant, based on health hazard data of components. 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. Possible aspiration hazard.
- 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 where contact with liquid or mist may occur.
- Skin Protection:** Wear impervious gloves such as nitrile or neoprene when contact with skin may occur.
- Inhalation:** Use approved respiratory protective equipment for situations where exposure may exceed occupational exposure levels.
- Ventilation:** Provide adequate ventilation to keep mist or vapors below occupational exposure levels.

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 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 an dry cool place, away from sources of heat, ignition or strong oxidizers. Ground and bond all transfer and storage equipment and equip with self closing valves, pressure vacuum bungs and flame arrestors.

SARA TITLE III INFORMATION

<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>RO, lb</u>	<u>TPQ, lb</u>
Organozinc Comp-5115	Proprietary	60-100	Immediate	N.A.		

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.

THIS INFORMATION RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATED AND MAY NOT BE VALID FOR SUCH MATERIAL USED IN COMBINATION WITH ANY OTHER MATERIALS OR IN ANY PROCESS. SUCH INFORMATION IS TO THE BEST OF THIS COMPANY'S KNOWLEDGE AND BELIEVED ACCURATE AND RELIABLE AS OF THE DATE INDICATED. HOWEVER, NO REPRESENTATION, WARRANTY OR GUARANTEE IS MAKE AS TO THE ACCURACY, RELIABILITY OR COMPLETENESS. IT IS THE USER'S RESPONSIBILITY TO SATISFY HIMSELF AS TO THE SUITABLENESS AND COMPLETENESS OF SUCH INFORMATION FOR HIS OWN PARTICULAR USE.