

LUB

817-14

MATERIAL SAFETY DATA SHEET

The Coastal Corporation

Coastal Oil New York, Inc.
 Coastal Oil New England, Inc.
 Coastal Fuels Marketing, Inc.
 Coastal Mobile Refining Company
 Coastal Derby Refining Company
 Coastal Eagle Point Oil Company
 Coastal Mart, Inc.
 Coastal Refining & Marketing, Inc.

Coastal States Crude Gathering Co.
 Coastal States Trading, Inc.
 Coastal Unilube, Inc.
 Coscol Marine Corporation
 Coscol Petroleum Corporation
 Pacific Refining Company
 Western Fuel Oil Company
 Coastal Fuel Terminals, Inc.

Address: 9 Greenway Plaza
 Houston, TX 77046

Info Phone: (801) 525-2300
 Emergency Phone: (713) 877-1400

PRODUCT IDENTIFICATION

Trade Name: CarQuest Boat Trailer Wheel Bearing Grease Date Revised: August 1, 2000

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

COMPOSITION

Occupational Exposure Limits*

Product	CAS Number	Wt %	Occupational Exposure Limits*			Units
			OSHA PEL	ACGIH TLV	Other	
CarQuest Boat Trailer Wheel Bearing Grease ***	Mixture	100	N.A.	N.A.		

Ingredient(s):

Petroleum Hydrocarbon	84742-82-7	20-50	5	5	10 STEL	mg/m***
Aluminum Soap	88847-58-5	5-20	N.A.	N.A.		
Petroleum Hydrocarbon	84742-52-5	20-50	5	5	10 STEL	mg/m***
Organozinc Comp-5189	Proprietary	1-5	N.A.	N.A.		
Proprietary Additive 5325	Complex Mixture		1-5	N.A.	N.A.	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.

THE UNIVERSITY OF CHICAGO

PHYSICS DEPARTMENT

PHYSICS 311
LECTURE 10
MAY 12, 2010

LECTURE 10
MAY 12, 2010

LECTURE 10

LECTURE 10

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LECTURE 10

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PHYSICAL AND CHEMICAL PROPERTIES

Bolling Point 760 mmHg:	N.A.	Melting Point:	600
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):	.92	Evaporation Rate (ethyl ether = 1):	N.A.
% Volatile by Volume:	N.A.	Odor:	Slight hydrocarbon odor
Viscosity (method, temp):	N.A.	Appearance:	Gray 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 COMPOSITION section.

Effects of Overexposure:

Acute:
Eyes: An irritant, based on health hazard data of components.

MEMORANDUM FOR THE DIRECTOR, FBI

TO : SAC, NEW YORK (100-100000) FROM : SAC, NEW YORK (100-100000)

SUBJECT: [Illegible]

[Illegible text block]

REFERENCE IS MADE TO

[Illegible text block]

IT IS REQUESTED THAT YOU

[Illegible text block]

YOUR COOPERATION IN THIS

[Illegible text block]

YOUR ASSISTANCE IS APPRECIATED

[Illegible text block]

VERY TRULY YOURS,

[Illegible text block]

- 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.

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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>RQ, lb</u>	<u>TPQ, lb</u>
Organozinc Comp-5189	Proprietary	1-5	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.

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1. The purpose of this document is to provide a comprehensive overview of the current status of the project and to identify the key challenges that must be addressed in order to ensure its successful completion.

II. Project Objectives and Scope

The primary objective of the project is to develop a robust and scalable system that meets the needs of our customers and stakeholders. This involves a thorough analysis of the requirements and the design of a solution that is both efficient and effective.

III. Key Challenges and Risks

There are several key challenges and risks that must be carefully managed throughout the project. These include limited resources, tight deadlines, and the potential for scope creep.

IV. Recommendations

Based on the findings of this analysis, the following recommendations are made to address the identified challenges and risks:

- 1. Increase resource allocation to ensure that the project has sufficient staff and budget to complete on time.
- 2. Implement a strict change control process to prevent scope creep and maintain focus on the core objectives.
- 3. Establish regular communication and reporting mechanisms to keep all stakeholders informed of the project's progress and any emerging issues.

V. Conclusion

In conclusion, the project is a complex and demanding endeavor that requires careful planning and execution. By addressing the key challenges and risks identified in this document, we can increase the likelihood of a successful outcome.

The information contained in this document is confidential and should be handled accordingly. It is intended for the use of the project team and relevant stakeholders only.