

DESCRIPTIVE FEATURES OF PARKER'S O-LUBE

Date: 01/22/2010

*Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)*

Description:

Ingredients	Barium Soap	25-30%
	Base Oil	70-75%
Water Content		0.2% max.
Grease Number		#2 NLGI
Pour Point (open cup)		485°F max.
Flash Point (open cup)		435°F min.
Fire Point		485°F min.
ASTM D217 Penetration @ 77°F		265-295
ASTM Drop Point		400°F min.
Ash Sulfate		14.25% max.
Specific Gravity		Less than 1.0 (.9007 to .9129)

Physical Data:

Boiling Point (°F)	700
Specific Gravity	Less than 1.0
Vapor Pressure	N/A
Percent, Volatile by Volume (%)	N/A
Vapor Density (Air=1)	N/A
Evaporation Weight	Less than 1.0
Solubility in Water	Negligible
Appearance and Odor	Semi-Solid, Amber Color, No Odor

PARKER O-LUBE
MATERIAL SAFETY DATA SHEET

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01/22/2010

Section I

Manufacturer's Name	Parker Hannifin Corp., O-Ring Division
Emergency Telephone No.	(859) 269-2351
Address	2360 Palumbo Drive, PO Box 11751, Lexington, KY 40512
Trade Name and Synonyms	Parker O-Lube
Chemical Family	Petroleum Grease

Section II - Hazards Identification

Hazardous Mixture of Other Liquids, Solids, or Gasses

Petroleum Naphthenic Oil CAS #64742-52-5	70-75% by weight
Barium Soap - Insoluble CAS #68201-19-4	25-30% by weight
NFPA (HMIS) Code:	Health-1, Flammability-0, Reactivity-0

All ingredients are listed on the TSCA Chemical Substances Inventory.

Section III – Health Hazards Identification

Threshold Limit Value	5 mg/m ³
Permissible Exposure Level	5 mg/m ³
Effects on Overexposure	Eyes: Moderate irritation, redness tearing Skin: Slight irritation Swallowing: Gastric intestinal irritation, nausea, vomiting & diarrhea Inhalation: None known.

Section IV – First Aid Measures

Emergency & First Aid Procedure	Ingestion: Immediately drink 2 glasses of water, induce vomiting, medical attention. Eyes: Flush with large amounts of water, lifting eye lids occasionally, seek medical attention. Skin: Wash exposed area with soap & water. Inhalation: N/A
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Section V – Fire Fighting Measures

Flash Point (Method Used)	435°(Open Cup)
Flammable Limits	N/A le: N/A ue: N/A
Extinguishing Media	Carbon dioxide, Foam and Dry Chemical
Special Fire Fighting Procedure	Wear self contained breathing apparatus. Water of foam may cause frothing which can be violent, especially if sprayed into containers of hot burning liquid.
Unusual Fire and Explosion Hazards:	Never use welding or cutting torch on or near (even empty) container because product (even just residue) can ignite explosively.

Section VI – Accidental Release Measures

Steps to be taken in case material is released or spilled

Small Spill: Collect in beaker.
Large Spill: Persons not wearing protective equipment should be excluded from area of spill until cleanup has been completed. Shovel material into container. Remaining material should be taken up with absorbent material.

Waste Disposal Method Per local, state, and federal regulations

Section VII – Handling and Storage

Precautions to be taken in Handling and Storing Normal precautions - avoid fire hazards.
Other Precautions None.

Section VIII – Exposure Controls / Personal Protection

Respiratory Protection (<i>Specify type</i>)	Not required under normal use.
Ventilation	N/A
Local Exhaust:	N/A
Special:	N/A
Mechanical:	Recommended
Other	N/A
Protective Gloves	Oil resistant gloves such as Nitrile or Neoprene Rubber.
Eye Protection	Not required under normal use.
Other Protective Gear	N/A

Section IX – Physical and Chemical Properties

Boiling Point (°F)	700
Specific Gravity	Less than 1.0
Vapor Pressure	N/A
Percent, Volatile by Volume (%)	N/A
Vapor Density (Air=1)	N/A
Evaporation Weight	Less than 1.0
Solubility in Water	Negligible
Appearance and Odor	Semi-Solid, Amber Color, No Odor

Section X – Stability and Reactivity

Stability	Stable
Conditions to Avoid	Temperatures over 600° F
Incompatibility (Materials to avoid)	Strong Oxidizers
Hazardous Decomposition Product	Carbon Monoxide - Carbon Dioxide and various hydrocarbons
Hazardous Polymerization	Will not occur.

Section XI – Disposal Considerations

Recommendation of Disposal: Dispose of in accordance with Federal, State and Local regulations.

Section XII – Transport Information

Class or Type: DOT and IATA: Non- Hazardous

Section XII – Other Information

No special conditions

Prepared by: Parker Hannifin Seals: O-Ring Division

These data are offered in good faith as typical values and not as product specification. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable.

However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.

Recommendations on application design and material selection are based on available technical data and are offered as suggestions only. Each user should make his own tests to determine the suitability for his own particular use. Parker offers no express or implied warranties concerning the form, fit, or function of a product in any application.