

**DESCRIPTIVE FEATURES OF PARKER'S
O-LUBE**

P/N: OLUBE 884-x

Date: 01/29/2024

*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

SAFETY DATA SHEET

Date Prepared: 01/26/2021

Date Reviewed: 1/29/2024

Section I

Trade Name
Part number(s)
Supplier's Name

Parker O-Lube
OLUBE 884-xx
Parker Hannifin O-Ring & Engineered Seals Division
2360 Palumbo Drive, PO Box 11751, Lexington, KY 40512
oesmailbox@parker.com
Engineering
During normal business hours: (859) 269-2351

Information Department
Emergency Telephone No.

Section II - Hazards Identification

Classification of the substance or mixture



GHS08 Health Hazard

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways



GHS07

Acute. Tox. 4 H332 Harmful if inhaled

Label elements

GHS Label elements: The product is classified and labeled according to the Globally Harmonized System (GHS)

Hazard Pictograms



GHS07



GHS08

Signal word Danger

Hazard-determining components of labeling:

*Barium, acetate tallow fatty acids complex
Distillates (petroleum), hydrotreated heavy naphthenic*

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Hazard Statements*Harmful if swallowed**May be fatal if swallowed and enters airways***Precautionary Statements***Avoid breathing dust/fume/gas/mist/vapors/spray**Use only in a well-ventilated area**If swallowed: Immediately call a poison center / doctor**Do NOT induce vomiting.**IF INHALED: Remove person to fresh air and keep comfortable for breathing.**Call a poison center / doctor if you feel unwell.**Store locked up.**Dispose of contents / container in accordance with local/regional/national/international regulations.***Classification system:****NFPA ratings (scale 0-4)***Health = 2**Fire = 1**Reactivity = 0***HMIS-ratings (scale 0-4)***Health = 2**Fire = 1**Reactivity = 0***Other hazards****Results of PBT and vPvB assessment****PBT:** *Not applicable***vPvB:** *Not applicable***Section III – Composition / Information on Ingredients****Chemical characterization:** *Mixture***Description:** *Mixture of the substances listed below with nonhazardous additions.***Dangerous components***Distillates (petroleum), hydrotreated heavy naphthenic*

CAS #64742-52-5

10-30% by weight

Barium, acetate tallow fatty acids complex

CAS #68201-19-4

10-30% by weight

Section IV – First Aid Measures**Description of first aid measures****General Information***Symptoms of poisoning may even occur after several hours; therefore, medical observation for at least 48 hours after the accident***After inhalation:***Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. In case of unconsciousness, place patient stably in side position for transportation.***After skin contact:** *Generally the product does not irritate the skin.***After eye contact:** *Rinse opened eye for several minutes under running water.***After swallowing:** *If symptoms persist consult doctor.***Information for doctor:****Most important symptoms and effects, both acute and delayed** *No further relevant information available.***Indication of any immediate medical attention and special treatment needed***No further relevant information available.*

Section V – Fire Fighting Measures

Extinguishing media

- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture** No further relevant information available.

Advice for firefighters

- **Protective equipment:** Mouth respiratory protective device.

Section VI – Accidental Release Measures

Personal precautions, protective equipment and emergency procedures Not required.

Environmental precautions: Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

Protective Action Criteria for Chemicals

PAC-1:

None of the ingredients is listed.

PAC-2:

None of the ingredients is listed.

PAC-3:

None of the ingredients is listed.

Section VII – Handling and Storage

Handling:

Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Information about protection against explosions and fires: No special measures required.

Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: Keep receptacle tightly sealed.

Specific end use(s) No further relevant information available.

Section VIII – Exposure Controls / Personal Protection

Additional information about design of technical systems: No further data; see item 7.

Control parameters

Additional information: The lists that were valid during the creation were used as basis.

Exposure controls

Personal protective equipment:

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

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Breathing equipment:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time must be determined by the manufacturer of the protective gloves and must be observed.

Eye protection: *Goggles recommended during refilling.*

Section IX – Physical and Chemical Properties

Information on basic physical and chemical properties**General Information****Appearance:**

Form: *Semi-Solid*

Color: *Amber colored*

Odor: *Petroleum-like*

Odor threshold: *Not determined.*

pH-value: *Not determined.*

Change in condition

Melting point/Melting range: *Undetermined.*

Boiling point/Boiling range: *370 °C (698 °F)*

Flash point: *190 °C (374 °F)*

Flammability (solid, gaseous): *Not applicable.*

Ignition temperature: *>315 °C (>599 °F)*

Decomposition temperature: *Not determined.*

Auto igniting: *Product is not self-igniting.*

Danger of explosion: *Product does not present an explosion hazard.*

Explosion limits:

Lower: *Not determined.*

Upper: *Not determined.*

Vapor pressure: *Not determined.*

Density at 20 °C (68 °F): *0.93389 g/cm³ (7.79331 lbs/gal)*

Relative density *Not determined.*

Vapor density *Not determined.*

Evaporation rate *Not determined.*

Solubility in / Miscibility with

Water: *Not miscible or difficult to mix.*

Partition coefficient (n-octanol/water): *Not determined.*

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Viscosity:

Dynamic: Not determined.

Kinematic: Not determined.

Solvent content:

Water: 0.0 %

VOC content: 0.00 %

0.0 g/l / 0.00 lb/gal

Solids content: 20.0 %

Other information No further relevant information available.

Section X – Stability and Reactivity

Reactivity No further relevant information available.

Chemical stability

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Possibility of hazardous reactions No dangerous reactions known.

Conditions to avoid No further relevant information available.

Incompatible materials: No further relevant information available.

Hazardous decomposition products: No dangerous decomposition products known.

Section XI – Toxicological Information

Information on toxicological effects

Acute toxicity:

Primary irritant effect:

on the skin: No irritant effect.

on the eye: No irritating effect.

Sensitization: No sensitizing effects known.

Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations: Harmful

Carcinogenic categories

OSHA-Ca (Occupational Safety & Health Administration): (Substances not listed)

None of the ingredients is listed.

Section XII – Ecological Information

Toxicity

Aquatic toxicity: No further relevant information available.

Persistence and degradability No further relevant information available.

Behavior in environmental systems:

Bioaccumulative potential No further relevant information available.

Mobility in soil No further relevant information available.

Additional ecological information:

General notes:

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Other adverse effects No further relevant information available.

Section XIII – Disposal Considerations**Waste treatment methods****Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncleaned packagings:

Recommendation: Disposal must be made according to official regulations.

Section XIV – Transport Information**UN-Number****DOT, IMDG, IATA**

UN3287

UN proper shipping name**DOT**

Toxic liquid, inorganic, n.o.s. (Barium, acetate tallow fatty acids complex)

IMDG, IATA

TOXIC LIQUID, INORGANIC, N.O.S. (Barium, acetate tallow fatty acids complex)

Transport hazard class(es)**DOT****Class**

6.1 Toxic substances

Label

6.1

IMDG, IATA**Class**

6.1 Toxic substances

Label

6.1

Packing group**DOT, IMDG, IATA**

III

Environmental hazards:**Marine pollutant:**

No

Special precautions for user

Warning: Toxic substances

Hazard identification number (Kemler code): 60**EMS Number:**

F-A,S-A

Stowage Category

A

Stowage Code

SW2 Clear of living quarters.

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Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.

Transport/Additional information:

DOT

Quantity limitations On passenger aircraft/rail: 60 L
On cargo aircraft only: 220 L

IMDG

Limited quantities (LQ) 5L

Excepted quantities (EQ) Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

UN "Model Regulation":

UN 3287 TOXIC LIQUID, INORGANIC, N.O.S. (BARIUM, ACETATE TALLOW FATTY ACIDS COMPLEX), 6.1, III

Section XV – Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture
Sara

Section 355 (extremely hazardous substances):

None of the ingredients is listed.

Section 313 (Specific toxic chemical listings):

68201-19-4 Barium, acetate tallow fatty acids complex 10-30%

TSCA (Toxic Substances Control Act):

68201-19-4 Barium, acetate tallow fatty acids complex ACTIVE 10-30%

Hazardous Air Pollutants

None of the ingredients is listed.

Proposition 65

Chemicals known to cause cancer:

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

Carcinogenic categories

TLV (Threshold Limit Value established by ACGIH)

None of the ingredients is listed.

NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms



GHS07



GHS08

Signal word Danger

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(continued from page 7)

Hazard-determining components of labeling:

*Barium, acetate tallow fatty acids complex
Distillates (petroleum), hydrotreated heavy naphthenic*

Hazard statements

*Harmful if inhaled.
May be fatal if swallowed and enters airways.*

Precautionary statements

*Avoid breathing dust/fume/gas/mist/vapors/spray
Use only in a well-ventilated area.
If swallowed: Immediately call a poison center/doctor.
Do NOT induce vomiting.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Call a poison center/doctor if you feel unwell.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.*

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

Section XVI – Other Information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Department issuing SDS: Engineering

Contact: Mr. Ewing

Date of preparation / last revision 1/26/2021 / --

Abbreviations and acronyms:

*IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
ACGIH: American Conference of Governmental Industrial Hygienists
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
VOC: Volatile Organic Compounds (USA, EU)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
Acute Tox. 4: Acute toxicity – Category 4
Asp. Tox. 1: Aspiration hazard – Category 1*

Prepared by: Parker Hannifin O-Ring & Engineered Seals 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.