



LITHEX SSEP - 460

Product Description

LITHEX SSEP-1 & 2 Greases are Premium quality Semi-Synthetic lithium base products containing an extreme pressure additive with base oil viscosity 460-480. These grades are specially formulated to meet the demand of an extreme pressure Grease for boundary lubrication conditions so as to prevent excessive wear, localized welding or seizure often associated with such severe operating conditions.

LITHEX SSEP-1 & 2 Grease possesses excellent shear stability, high load carrying capacity, high oxidation stability and capability to provide protection against rust and corrosion.

Applications

LITHEX SSEP-1 & 2 Greases are recommended for the lubrication of both plain and anti - friction bearings in a wide variety of application such as automotive and earth moving equipment, gear couplings, electric motors, mining equipment and general industrial machinery.

Benefits

- Due to high De-emulsifier chemical, it provides excellent water resistance.
- Possess excellent dispensing properties at low and high temperature, ensuring trouble free lubrication with centralized lubrication system.
- Protect machine elements from excessive wear.
- Prevent welding and seizure of the moving parts often caused by shock loading.
- Protect bearing elements against rust and corrosion.
- Resist water wash out thus assuring adequate lubrication over extended service intervals.

Additional Information

Remove previously applied Lubricant before the operation to avoid any potential incompatibilities.

PETRELPLUS INC.

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Health & Safety

These greases are unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of industrial and personal hygiene are maintained.

Typical Properties

	TEST METHOD	32	46
Colour	-	Creamish	Creamish
Structure	-	Smooth	Smooth
Soap Type	ASTM D 128	Lithium Complex	Lithium Complex
Base Oil Type	ASTM D 128	Mineral + PAO	Mineral + PAO
NLGI GRADE		1	2
Base oil Viscosity at 40°C,cSt	ASTM D 445	460-480	460-480
Worked Penetration @ 25°C (60X)	ASTM D 217	310-340	265-295
Drop Point, °C, (min)	ASTM D 2265	230	240
Flow Pressure @ -35°C/-31°F	DIN 51805	<1220	<1580
Water Resistance, @ 90°C/194°F	DIN 51807	1	1
Weld Load Ball Test	ASTM 2596	600-610	610-630
4-Ball Welding Test, (min)	DIN 2137	3400	3400

Available Packs: -20, 50 and 210 Litres.

Shelf Life - 36 Months from the manufacturing.

*All related specifications meet or exceed.

Due to continual product research and development, the information contained herein is subject to change without notification. Typical Properties may vary slightly. The Material Safety Data Sheet (MSDS) are available upon request through our sales office.

1. PRODUCT AND COMPANY IDENTIFICATION

Product LITHEX SSEP 460
Supplier PETRELPLUS INC
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2. COMPOSITION

Blend of Mineral oil, Synthetic PAO, Lithium Complex Thickener and Proprietary additives.

3. HAZARDS IDENTIFICATION

Not classified as hazardous.

4. FIRST-AID MEASURES

RESPIRATORY SYSTEM Remove to fresh air and get medical attention.
INGESTION Do not induce vomiting. Wash mouth out with water and obtain medical attention.
EYES Rinse immediately with plenty of water for at least 10 minutes. Get Medical Attention.
SKIN Remove contaminated clothing. Wash affected area with soap and water, get medical attention.

5. FIRE-FIGHTING METHODS

Foam, carbon dioxide or dry power

6. ACCIDENTAL RELEASE MEASURE

Contain and absorb in sand or earth. Ensure no material enters drains or water courses. Dispose of as solid waste in accordance with the relevant waste disposal regulations.

7. STORAGE AND HANDLING

Store in delivery packs in a cool dry place

HANDLING

At ambient temperatures wear gloves overalls and eye protection. The work area should be adequately ventilated. No eating drinking or smoking in the work area.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Standard: The substance with exposure limit is: Notation 1: Exposure Standard: 2nd substance with exposure limit is: Notation 2:

PERSONAL PROTECTION

Respiratory Protection:

Type of Cartridge (if Applicable):

Eye Protection: Safety Spectacles

Hand Protection: Gloves butyl or nitrile rubber

Industrial Hygiene: No eating drinking or smoking in the work area Ventilation: At room temperature handle in a well-ventilated area. Use exhaust ventilation if exposure to flume or aerosol can occur.

PROTECTION AGAINST FIRE AND EXPLOSION Combustible but not readily ignited. No explosion hazard.

EC SAFETY PHRASES Not classified as hazardous.



9. TYPICAL PROPERTIES

NLGI Grade	- 1 and 2
Soap Type	- Lithium Complex
Drop Point °C	- 230 and 240
Base Oil Viscosity @ 40°C	- 460-480

10. STABILITY AND REACTIVITY

Stability	- Stable
Conditions to avoid	- Excessive temperatures
Materials to avoid	- Strong oxidizers
Hazardous decomposition products	- Oxides of carbon and nitrogen

11. TOXICOLOGICAL INFORMATION

LD50 Acute Oral Toxicity: > 5000: mg/Kg: Rat
LC50 Acute Inhalation: mg/1:
Eye Irritation: No: Rabbit
Skin Irritation: No.: Rabbit
Sensation: No:
Further Information:

12. ECOLOGICAL INFORMATION

LC50 (96 Hour): mg/1
EC50 (24 Hour): mg/1
Biodegradability (Coupled units):

13. DISPOSAL CONSIDERATIONS

Solid material should be incinerated. Material absorbed on sand should be disposed of as solid waste.

14. TRANSPORT INFORMATION

IMDG No.: Not classified
Packing Groups: IATA-DGR
Class No.: Not classified
TREM CARD: Not classified
RID/ADR Class No.: Not classified Other Information

15. REGULATORY INFORMATION

Classification and labeling according to EC Directives 67/548
Not classified as hazardous. EC Risk Phrases Not classified as hazardous. Other Hazardous EC Safety Phrases Not classified as hazardous.

16. OTHER INFORMATION PRODUCT SAFETY

For safety reasons, it is IMPERATIVE that customer: - Ensure that all those within their control who use the products are supplied with all relevant information contained within the Material Safety Data Sheet and Technical Bulletin concerning the applications for which the product is designed and any instructions or warning.