

LICALPLEX HIGH PERFORMANCE EP GREASE

Product Description

Oils are highly refined, non-additive, aromatic-free paraffinic white mineral oils complying with the stringent pharmacopoeia purity requirements. Oils can be used in pharmaceutical, food packaging, food machinery lubrication, cosmetic and other applications, where this high purity is required by legislation or important for the quality of the finished product.

Applications

- Food Packaging- Extender oil in polystyrene and other plastics, price labels.
- Technical applications and car components.
- Carrier fluid and extender oil for a variety of high-quality applications, where color and stability are important.
- Suitable when PVC is replaced by TPE elastomers.

Benefits

- **High Purity**- Refined to the highest degree of purity removing all aromatics; consist only of chemically inert molecules.
- **Excellent Stability**- Exceeding oxidation and light stability of standard process oils.
- **Optimal quality control**- Segregated product lines during production, storage, blending and filling; extensive laboratory control testing.

Typical Properties

| LICALPLEX | NLGI-00 |
|---|-------------------------|
| Color | Brown |
| Base Oil | Mineral |
| Thickener | Lithium-Calcium complex |
| Worked Penetration 0.1mm at +25°C, ASTM D 217 | 400-430 |
| Kinematic Viscosity@ 40°C, cSt, ASTM D 445 | 150 |
| Drop Point, °C, ASTM D 566 | NA |
| Oil Separation, IP 121 | 0 |
| Water resistance, DIN 51807 | 1-90 |
| Copper Corrosion | 1B |
| Timken OK Load | 50 |
| EMCOR Corrosion Test, IP 220 | 0/0 |
| Four ball Weld Load | 250 |

Available Packs: 18 and 180 Kg.

Shelf Life – 36 Months from the Manufacturing month.

* All related specifications are meets or exceeds.

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.

PETRELPLUS INC.

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1. PRODUCT AND COMPANY IDENTIFICATION

**Product
Supplier**

**LICALPLEX
PETRELPLUS INC.**

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2. COMPOSITION

No Reportable Hazardous Substance(s) or Complex Substance(s). Composition of Base oil, thickener and performance- based 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 powder.

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

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.

Storage - Store in delivery packs in a cool & dry place.

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

Color - Brown
Drop point, °C - NA
NLGI - 00
Thickener - Lithium Calcium Complex

10. STABILITY AND REACTIVITY

HAZARDOUS REACTIONS

Comments

HAZARDOUS DECOMPOSITION PRODUCTS Thermal decomposition produces noxious fumes.

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

TREMCARD: 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.

DISCLAIMER/USER'S RESPONSIBILITY: PETRELPLUS INC. Provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriate use.