

LITHEX PD-EP GREASE SERIES

Product Description

LITHEX PD-EP Grease Series is lithium complex based grease fortified with multi pole molecule Nano technology performance additive systems to ensure excellent Oxidation & Thermal Stability, extraordinary friction reduction, optimum wear protection and low friction coefficient in terms of forming protective layer of hydrodynamic lubrication film between the frictional surfaces with Nano tech multi pole molecules for smoothening the working frictional surfaces having extremes of pressure, vibration, shock loads, at high or low speeds.

Benefits

- Excellent extreme property reduces wear of metals as well as revitalizes the surface due to Nano tech multi pole molecules.
- High load carrying capacity, shear stability and good oxidation stability.
- Excellent water resistance, anti-rust and anti-corrosion properties.
- Superior resistance to washing out action of cold water as well as hot water.
- Extremely low coefficient of friction.

Typical Properties

| PROPERTIES | TEST METHOD | PD EP-000 | PD EP-00 | PD EP-0 | PD EP-1 | PD EP-2 |
|---|-------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| NLGI GRADE | | 000 | 00 | 0 | 1 | 2 |
| Appearance | VISUAL | Semi Fluid & Smooth | Semi Fluid & Smooth | Semi Fluid & Smooth | Semi Fluid & Smooth | Semi Fluid & Smooth |
| Soap Type | | Lithium complex | Lithium complex | Lithium complex | Lithium complex | Lithium complex |
| Worked Penetration @ 25°C after 60 strokes, 0.1mm units | ASTM D 217 | 445-475 | 400-430 | 355-385 | 310-340 | 265-295 |
| Drop Point, °C, Min | ASTM D 2265 | 185 | 190 | 200 | >250 | >250 |
| Four-Ball Weld Load, kg, Min | ASTM D 2596 | 350 | 350 | 350 | 350 | 350 |
| Four-Ball Wear Scar diameter, mm | ASTM D 2266 | 0.28 | 0.28 | 0.28 | 0.42 | 0.42 |
| Copper Strip Corrosion | ASTM D 4048 | 1a | 1a | 1a | 1a | 1a |

Available Packs: 18, 50 and 180 Kg

Shelf Life: 36 Months from manufacturing month.

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. All related specifications are meets or exceeds.

1. PRODUCT AND COMPANY IDENTIFICATION

Product LITHEX PD-EP Grease Series
Supplier PETRELPLUS INC.

One World Center, Tower One, 9th Floor, Senapati Bapat Marg, Lower Parel, Mumbai-400013, Maharashtra.
 Call # +91 22 6216 7072
 (Monday to Friday)
 Cell # +91 93522 25457
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2. COMPOSITION

Highly Refined mineral oil and additives.

3. HAZARDS IDENTIFICATION

FIRE -Flammable at high temperature.

HEALTH

Eye contact -May cause mild irritation to the eyes upon direct contact.
 Skin contact -Prolonged contact may defat the skin or can cause dermatitis.
 Inhalation -hazards.
 Ingestion -Harmful if swallowed.

4. FIRST-AID MEASURES

Inhalation -Remove person to fresh air. Seek medical help if discomfort persists.
 Ingestion -Do not induce vomiting. Seek medical support.
 Skin Contact -Immediately flush skin with plenty of water for at least 15 minutes.
 Eye Contact -Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally.

5. FIRE-FIGHTING METHODS

Extinguishing media -Use dry chemical powder or carbon di – oxide or foam.
 Special protective equipment -Positive pressure self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURE

Personal protection - Adequate ventilation, gloves, goggles, overalls and boots.
 Environmental precautions - Avoid entry into water courses.
 Clean up method - Absorb on inert material.

7. STORAGE AND HANDLING

Handling - Impervious gloves & eye protection ensure good ventilation. Keep away from source of ignition.
 Storage - Store in a cool & dry place.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Respiratory protection - Not required under normal conditions.
 Skin/hand protection - Impervious gloves, overalls, and boots.
 Eye protection - Use Goggles

9. TYPICAL PROPERTIES

NLGI - 000 to 2
 Four- Ball, Weld Load, Kg - 350
 Soap - Lithium Complex
 Copper Strip Corrosion - 1a

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

| | |
|------------------|--------------------------------------|
| Skin contact | - Possible irritation |
| Eye contact | - Possible irritation |
| Inhalation | - Not applicable |
| Ingestion | - Irritation. May cause lung damage. |
| Long term effect | - Not known |

12. ECOLOGICAL INFORMATION

| | |
|---------------------------|-------------------|
| Mobility | - Mobile |
| Degradation | - Low |
| Accumulation | -Not expected |
| Short- & Long-Term effect | - Water pollutant |

13. DISPOSAL CONSIDERATIONS

Dispose off according to local and national regulations.

14. TRANSPORT INFORMATION

| | |
|-----|------------------|
| CPL | - Not applicable |
| IMO | -Not applicable |

15. REGULATORY INFORMATION

| | |
|-----------|------------------|
| Symbol(s) | -Not applicable |
| Phrase(s) | - Not applicable |
| Phrase(s) | - Not applicable |

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.