







LITHEX PD-EP GREASE SERIES

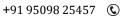
Product Description

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				
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.



Material Safety Data Sheet

PRODUCT AND COMPANY IDENTIFICATION

LITHEX PD-EP Grease Series Product

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 marketing@petrelplus.com www.petrelplus.com

COMPOSITION

Highly Refined mineral oil and additives.

HAZARDS INDENTIFICATION

-Flammable at high temperature. FIRE

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.

-Harmful if swallowed. Ingestion

FIRST-AID MEASURES

Inhalation -Remove person to fresh air. Seek medical help if discomfort persists.

Ingestion -Do not induce vomiting. Seek medical support.

-Immediately flush skin with plenty of water for at least 15 minutes. Skin Contact

-Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Eye Contact

FIRE-FIGHTING METHODS

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

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.

STORAGE AND HANDLING

Handling - Impervious gloves & eye protection ensure good ventilation. Keep away from source of ignition.

Storage - Store in a cool & dry place.

EXPOSURE CONTROL / PERSONAL PROTECTION

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

Eye protection - Use Goggles

TYPICAL PROPERTIES

-000 to 2 NLGI Four-Ball, Weld Load, Kg - 350

- Lithium Complex Soap

- 1a Copper Strip Corrosion

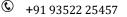
10. STABILITY AND REACTIVITY

Stability - Stable

Conditions to avoid - Excessive temperatures Materials to avoid - Strong oxidizers

Hazardous decomposition products - Oxides of carbon and nitrogen

(2)









11. TOXICOLOGICAL INFORMATION

- Possible irritation Skin contact - Possible irritation Eye contact 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 INFOMRATION

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.

