

POLY EP-HT MINERAL BASED POLY UREA GREASE

Product Description

POLY EP HT grease is specially designed from premium quality highly refined base stocks and Polyurea thickener which exhibit better resistant to ageing, good adhesion & excellent water resistance. These greases are highly resistant to mechanical fatigue, heat, corrosion & do not harden prematurely. Long life organic soap thickened greases with highly refined mineral oil and additive package to provide superior anti-wear, EP and high antioxidant and anticorrosive capacity.

Applications

- High and low speed bearings.
- To prevent formation of abrasive buildup.
- Effective lubricant even in presence of water
- Clutch release bearings
- Big quantity of cooling water
- Roller bearings in textiles and paper processing industry, electric motors, vertical shaft application & centralized lubrication system

Benefits

- Outstanding parts protection.
- Longer service, reduces maintenance, downtime.
- Does not form solid residues.
- Excellent mechanical and thermal stability.
- Excellent corrosion protection.
- Excellent water wash-out properties.
- Excellent sealing capacity.
- Superb pump ability.

Typical Properties

	VALUE	VALUE	VALUE	ASTM
NLGI Grade	1/2	2	2	
Color	Beige	Beige	Beige	
Thickener Type	Urea Complex	Urea Complex	Urea Complex	
Worked (60 strokes) @25°C	295	295	295	D-217
Kinematic Viscosity Of Base Oil @40°C, cSt, Min	220-230	460	500	
Dropping Point	240°C	240°C	240°C	D-2265
Optimum Performance Temp.	-20to +200°C	-20to+200°C	-8to+200°C	
Four-Ball Weld Load, kg, Min	300	300	600	D-2596
Water Washout, %, (40°C)	<2	<2	<2	D-1264
Oxidation Stability	0-5	0-5	0-5	ASTMD942
Copper Corrosion @100°C	1b	1b	1b	ASTMD130
Oil Separation, %	7	7	3	IP-121

Available Packs: 1, 5, 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.

1. PRODUCT AND COMPANY IDENTIFICATION

**Product
Supplier**

**POLY EP-HT
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

2. COMPOSITION

Composition of high-performance mineral based oil, Polyurea 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 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	- Beige
Drop Point °C	- 220 to 500
Temperature range °C	- (-20 °C to 200°C)
Oxidation stability	- 0-5

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.