

HIGH VOLTAGE GREASE

Product Description

PETRELPLUS HIGH VOLTAGE GREASE is a high performance, extreme-pressure grease which combines a synthetic base fluid with a lithium complex soap thickener. The thickener system provides a high dropping point, excellent resistance to water wash, and a tenacious structural stability.

Synthetic grease, developed for use on high voltage/high current circuit breaker switchgear contacts to significantly reduce wear and arcing. It provides good adherence while chemically inactive with low toxicity.

HIGH VOLTAGE GREASE therefore is ideal grease for high load, water and heat resistant applications where there is a combination of very high loads and a possibility of presence of water as in drying range machine cylinder bearings. It is adhesive grease, resistant to steam, good pressure absorption capacity. Also suitable as a valve and sealing grease for plain and rolling bearings operating at low speeds.

Applications

- Use on high voltage/high current circuit breaker switchgear contacts.
- It has been developed for applications such as the sliding and fixed contacts of isolator switches.
- Used as a mechanical lubricant for metal interfacing surfaces.
- High voltage insulators.
- Very good protection against corrosion, excellent aging resistance.
- High resistance to wear.
- Excellent adhesion – reduced lubricant consumption.

Benefits

- Dramatically reduces wear and arcing.
- Low oil bleed even at elevated temperatures.
- Good operating temperature performance.

How to Apply

- Clean and dry the surface before use.
- Apply a thin, even layer of grease using a spatula or other appropriate applicator.

PETRELPLUS INC.

One World Center, Tower One, 9th Floor, Senapati Bapat Marg, Lower Parel, Mumbai-400013
mail-marketing@petrelplus.com, www.petrelplus.com

+91 93522 25457

+91 95098 25457



Typical Properties

PARAMETERS	TEST METHOD	SPECIFICATIONS
Physical Parameter s		
Base Oil		SYNTHETIC
Penetration	ASTM D 127	265-295
Dropping point, °C	ASTM D 2265	> +250°C
Operating Temperature		-25°C to +250°C
Corrosion Prevention	ASTM D 1743	Pass
Water washout 79°C wt. %, max.	ASTM D 1264	5.5

Available Packs: 1, 5, 18 and 180 Kg.

TUBES: 50, 100 and 200 Grams

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 HIGH VOLTAGE GREASE
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

2. COMPOSITION

Composition of high-performance Synthetic base oil, 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 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

Drop Point °C	- (>250°C)
Thickener	- Lithium Complex
Temperature range °C	- (-25°C to +250°C)
NLGI	- 2

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.