

DI-ELECTRIC GREASE

Product Description

DI-ELECTRIC GREASE is silicone-based grease that repels moisture and protects electrical connections against corrosion. It seals electrical conductors in order to prevent dirt, dust, sand, and other foreign materials from sticking to the conductor and preventing it from transferring a current between the two contact points.

Applications

It is used in many applications including home electrical work, vehicle wiring, and automotive tune-up, Computer chip parts. Di-electric grease does not dissolve in most liquids, so it is good for marine and outdoor applications as well.

Benefits

- It insulates the system from the surrounding environment, preventing insulates oxide layer buildup, which increases resistance and signal loss.
- Reduces physical wear between the connecting surfaces.
- Lubricate and Block moisture therefore Prevent corrosion.
- Withstand High Temperature.

Typical Properties

DI-ELECTRIC GREASE	
Color	Translucent White
Base Oil	Poly dimethyl siloxane
Drop Point °C ASTM D 566	240
NLGI Grade	2
Worked Penetration 60/60 strokes, ASTM D217	265-295
Water Resistant up to 140°C, DIN 51807	Completely Resistant
EMCOR Antirust test Rating IP 220	0
Four Ball weld Load, Kg ASTM D 2596	260
Temperature °C	-50 to 220
Evaporation Loss, DIN 58 397-1,30h,200 °C, % in Weight.	<2.5

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.

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1. PRODUCT AND COMPANY IDENTIFICATION

Product DI-ELECTRIC GREASE
Supplier PETRELPLUS INC.

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2. COMPOSITION

No harmful substances. Composition of high-performance Poly dimethyl siloxane 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	- Translucent White
NLGI	- 2
Temperature Range, °C	- (-50 to 220)
Drop Point, °C	- 240

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.