

CALCIPLUS-100 HIGH PERFORMANCE CALCIUM BASED MULTIPURPOSE GREASE

Product Description

CALCIPLUS-100 multipurpose, high melting point Calcium base grease. It offers significant advantages over conventional soap-based grease in terms of shear stability, thermal stability and water resistance.

CALCIPLUS-100 is high quality, smooth, calcium soap-based grease formulated from mineral oil & fortified with the special compounds that offer good mechanical stability. It provides the best combination of performance and economy for most applications.

CALCIPLUS-100 is a smooth, buttery and water stabilized, providing extended lubricant coverage due to even distribution of the product along the wearing parts.

Applications

It may be used in all applications where high thermal and oxidation stability and water resistance is required.

Suitable for applications such as wheel bearings, chassis pre-packed and sealed for life bearings in steel, cement, sugar, automobile, mining and other heavy industries.

Benefits

- The grease provides protection against rust and corrosion.
- It has a well distributed texture.
- There will be minimum leakage and loss in wash due to strong resistance to wear.
- Excellent adhesive property.
- Saves on maintenance.
- Minimizes downtime.
- CALCIPLUS-100 minimizes inventory costs.

PETRELPLUS INC.

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Typical Properties

CALCIPLUS -100	Test Method	VALUES
Base Oil Type	-	Mineral
NLGI grade	-	3
Color		Yellow/Pale
Appearance	Visual	Smooth Buttery
Thickener	-	Calcium
Base oil Kinematic viscosity @40° C, cSt	ASTM D 445	100-110
Dropping Point, ° C.	ASTM D 2265	110
Worked Penetration @25°C after 60 strokes, 0.1mm units	ASTM D 217	240
Copper Strip Corrosion	ASTM D 4048	1a
Oil Separation % wt, (42H), Max	IP 121	<5
Free Alkalinity, as Ca (OH), %wt., Max	IS:1448(P:53)	0.15
Free Organic Acidity, as oleic acid %wt., Max	IS:1448(P:53)	0.15

Available Packs: 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**

**CALCIPLUS-100
PETRELPLUS INC.**

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2. COMPOSITION

No Reportable Hazardous Substance(s) or Complex Substance(s). Composition of Base oil, thickener and performance- based 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 - Yellow/Pale
Drop point, °C - 110
NLGI - 3
Thickener - Calcium

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.