

SYG-1044 POLY UREA GREASE SYNTHETIC POLY UREA GREASE

Product Description

SYG-1044 POLY UREA GREASE is a SYNTHETIC POLYUREA GREASE containing POLYALPHAOLEFIN (SYNTHETIC) base oil, poly urea and performance enhancing synergistic anti-oxidant additives to provide superlative lubrication of Roller bearings at high temperature levels. Superior in performance to soap thickened grease, Polyurea Grease has 70% longer life than commercial lubricants as well as high temperature resistance. It also shows excellent structural stability and maintains its consistency better than competitive greases under severe operating conditions such as encountered in an over packed bearing. Polyurea Grease does not thin out in the presence of water and resists water washout, mild acid and alkaline solutions.

Applications

- Reduces friction
- Extends bearing life
- Lengthens lubrication intervals
- More energy efficient
- Works for speed factors ($n \times dm$) up to 500,000 mm/min.

Benefits

- High and low speed bearings
- Pre-lubricated and "seal-for-life" bearings
- Universal joints and CV joints
- Wheel bearings
- Train wheel block bearings
- Tunnel augering equipment

Typical Properties

	NLGI 1	NLGI 2
NLGI Grade	1	2
Structure and Color	Smooth buttery - WHITE	Smooth buttery - WHITE
Base Oil	PAO	PAO
Thickener Type	Synthesized Polyurea	Synthesized Polyurea
Viscosity Index	90 above	90 above
Kinematic Viscosity of Base Oil @40°C, cSt,	460	460
Kinematic Viscosity of Base Oil @ 100°C, cSt,	35	35
Dropping Point	240°C	240°C
Optimum Performance Temp.	-20 to +200 °C	-20 to +200 °C
Four-Ball Weld Load in N	3500	3500
Water Washout % max	1	1

Available Packs: 1, 5, 18, 50 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 SYG-1044 POLY UREA 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, 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

Thickener	- Poly Urea
NLGI	- 1 and 2
Drop Point °C	- 240
Color	- White

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.