

SYG-3990/150 SYNTHETIC ALUMINUM COMPLEX GREASE

Product Description

SYG-3990/150 retains itself like grease yet flows like oil therefore the descriptive term semi-fluid is used. It is recommended for the lubrication of cams, bearings and grease lubricated gears especially where excessive leakage is a problem.

SYG-3990 contains a blend of polymer and tackifier for extra adhesive properties to prevent drip or leak.

This product is manufactured using high special paraffin base oil thickened with aluminum complex soap with Extreme Pressure additives and anti-rust additives.

The polyester or nylon thread is heated in the texturing machine until it becomes just malleable. In this state, it is drawn and twisted, using a friction unit. Subsequently, the thread is cooled and the twist reversed, which creates the crimping. At the end of this continual process, the textured yarn is wound at between 700 and 1,500 m/min. depending on the material and thread thickness.

Applications

- Enclosed industrial gearboxes.
- Automatic, centralized lubrication systems.
- Plain and rolling element bearings.
- Enclosed industrial gearboxes.
- Automatic, centralized lubrication systems.
- Rolling element and plain bearings.
- Joints, linkages and slide.
- Suitable for a wide range of applications including roller element bearings.
- May also be used as protective anti-rust films and as release agents on gaskets & seals of tank closures.

Benefits

- Excellent water resistance.
- Excellent oxidation and mechanical stability.
- Excellent corrosion prevention characteristics.
- Excellent adhesive properties.
- Neutral odor and taste.

➤ **Remarks**

Bearing should only be filled half way for optimum results. Before initial filling, thoroughly remove the left-over grease and the clean the bearing. Do not mix with other lubricating grease.

Typical Properties

PROPERTIES	Value
NLGI GRADE	000
Appearance	Translucent white
Thickener Type	Aluminum Complex
Base Oil Type	SYNTHETIC PAO
Penetration, Worked 60X	>410
Dropping Point, °C	250
Pump ability	Excellent
Temperature range	-40 to 250 °C
Base Oil Viscosity @ 40 °C	150
EP and Wear Protection	
Four-Ball Wear, Scar Dia, mm, max.	0.4
Four-Ball EP, Weld Load, ASTM D 2596, kg.	400
Four-Ball EP, Load Wear Index	45
Water Washout, ASTM D 1264, 79 ° C, wt. %, max.	5.5
Evaporation, ASTM D 972, % at 177 ° C	1.5

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.

1. PRODUCT AND COMPANY IDENTIFICATION

Product SYG-3990/150 SYNTHETIC ALUMINUM COMPLEX 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

No harmful substances. Composition of Synthesized hydrocarbon base fluid, Aluminum Complex thickener and proprietary additives.

3. HAZARDS IDENTIFICATION

FIRE -Flammable at high temperature.
HEALTH
 Eye contact -May cause mild irritation to the eyes upon direct contact.
 Skin contact -Prolonged contact may defat the skin or can cause dermatitis.
 Inhalation -hazards.
 Ingestion -Harmful if swallowed.

4. FIRST-AID MEASURES

Inhalation -Remove person to fresh air. Seek medical help if discomfort persists.
 Ingestion -Do not induce vomiting. Seek medical support.
 Skin Contact -Immediately flush skin with plenty of water for at least 15 minutes.
 Eye Contact -Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally.

5. FIRE-FIGHTING METHODS

Extinguishing media -Use dry chemical powder or carbon di – oxide or foam.
 Special protective equipment -Positive pressure self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURE

Personal protection - Adequate ventilation, gloves, goggles, overalls and boots.
 Environmental precautions - Avoid entry into water courses.
 Clean up method - Absorb on inert material.

7. STORAGE AND HANDLING

Handling - Impervious gloves & eye protection ensure good ventilation. Keep away from source of ignition.
 Storage - Store in a cool & dry place.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Respiratory protection - Not required under normal conditions.
 Skin/hand protection - Impervious gloves, overalls, and boots.
 Eye protection - Use Goggles

9. TYPICAL PROPERTIES

Soap - Aluminum Complex
 Color - Translucent White
 NLGI - 000
 Drop point - 250

10. STABILITY AND REACTIVITY

Stability - Stable
 Conditions to avoid - Excessive temperatures
 Materials to avoid - Strong oxidizers
 Hazardous decomposition products - Oxides of carbon and nitrogen

11. TOXICOLOGICAL INFORMATION

Skin contact	- Possible irritation
Eye contact	- Possible irritation
Inhalation	- Not applicable
Ingestion	- Irritation. May cause lung damage.
Long term effect	- Not known

12. ECOLOGICAL INFORMATION

Mobility	- Mobile
Degradation	- Low
Accumulation	-Not expected
Short- & Long-Term effect	- Water pollutant

13. DISPOSAL CONSIDERATIONS

Dispose off according to local and national regulations.

14. TRANSPORT INFOMRATION

CPL	- Not applicable
IMO	-Not applicable

15. REGULATORY INFORMATION

Symbol(s)	-Not applicable
Phrase(s)	- Not applicable
Phrase(s)	- Not applicable

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.