

SYG-990/ALFG-PTFE

Synthetic Food Grade Grease
(NSF CERTIFIED, CATEGORY H1)



Product Description

SYG-990/ ALFG-PTFE grease is high performance extreme pressure grease specially blended for the lubrication of machinery used in food and beverage Processing and packaging industry. It is based on an aluminum complex thickener, synthetic fluid and selected additives chosen for their ability to meet the string entire requirements of the food industry.

Registered by NSF (Class H1) for use where there is potential for incidental contact with food. These products meet former guidelines (1998) of the US Department of Agriculture Food Safety and Inspection Service (USDA FSIS) for H1use (lubricant with incidental food contact) and listed in Miscellaneous Publication No 1419 "List of Proprietary Substances and Nonfood Compounds". Product contains only substances permitted under US 21 CFR 178.3570, 178.3620 and 182 for use in lubricants with incidental food contact.

They do not contain any natural products derived from animals, nuts or genetically modified organisms (GMOs). It is suitable for use where vegetarian and nut-free food is prepared and do not promote the growth of bacteria or fungal organisms.

Applications

- Enclosed Industrial gear boxes.
- Automatic, Centralized lubrication systems.
- Plain and Rolling element bearings.
- Joints, linkages and slides
- Suitable for a wide range of applications.
- Used as protective anti-rust films and as release agents on gaskets & seal soft tank closures.

Benefits

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

Seal and Paint Compatibility

- Compatible with the elastomers, gaskets, seals and paints normally used in lubrication systems employed in the food processing and packaging industry.

Technical Data

PROPERTIES	Value	Value	Value	Value	Value	Value
NLGI GRADE	3	2	1	0	00	000
Appearance	Translucent	Translucent	Translucent	Translucent	Translucent	Translucent
Thickener Type	Aluminum Complex with PTFE	Aluminum Complex with PTFE	Aluminum Complex with PTFE	Aluminum Complex with PTFE	Aluminum Complex with PTFE	Aluminum Complex with PTFE
Base Oil Type	SYNTHETIC PAO	SYNTHETIC PAO	SYNTHETIC PAO	SYNTHETIC PAO	SYNTHETIC PAO	SYNTHETIC PAO
Penetration, Worked 60X	240	280	330	370	410	420
Dropping Point, °C	275+	275+	225	200	NA	NA
Pump ability	N/A	Fair	Fair	Good	Very Good	Very Good
Temperature range	-50 to 250°C	-50 to 250°C	-50 to 250 °C	-50 to 250°C	-50 to 250 °C	-50 to 250 °C
Base Oil Viscosity @ 40°C	32	32	32	32	32	32
EP and Wear Protection						
Four-Ball Wear, Scar Dia, mm, max.	0.4	0.4	0.4	0.4	0.4	0.4
Four-Ball EP, Weld Load, ASTM D2596, kg.	400	400	400	400	400	400
Four-Ball EP, Load Wear Index	45	45	45	45	45	45
Water Washout, ASTM D 1264, 79 °C, wt. %, max.	5.5	5.5	5.5	5.5	5.5	5.5
Evaporation, ASTM D 972, % at 177 °C	1.5	1.5	1.5	1.5	1.5	1.5

Available Packs

- 50-,100- and 200- Grams tube
- 400- Gram cartridge
- 1, 5, 18 and 180 Kg.

Shelf Life: 36 Months from manufacturing month.

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.

* All related specifications are meet or exceed.

1. PRODUCT AND COMPANY IDENTIFICATION

Product Synthetic Food Grade Grease
Product Name SYG 990 ALFG-PTFE 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

1-Decene, Homo polymer, Hydrogenated Aluminum Complex Thickener, PTFE and Proprietary Additives.

3. HAZARDS IDENTIFICATION

Not classified as hazardous. Other

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 power

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

Store in delivery packs in a cool dry place

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.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Standard: The substance with exposure limit is: Notation

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:

NLGI GRADE	3-000
Soap Type	Aluminum-Complex (with PTFE)
Color	Translucent
Penetration, ASTM D 217	240 to 420

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.