

SYG-990/ALFG-2

Synthetic Food Grade Grease

Product Description

SYG-990/ ALFG grease is high performance extreme pressure grease specially blended for the lubrication of machinery used in food and beverage Processing and pack aging 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
- Enclosed industrial gear boxes
- Automatic, centralized lubrication systems
- Rolling element and plain bearings
- Joints, linkages and slides
- 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 & seal soft tank closures

Features/ 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	Aluminum Complex	Aluminum Complex	Aluminum Complex	Aluminum Complex	Aluminum Complex
Base Oil Type	SYNTHETIC CPAO	SYNTHETIC PAO	SYNTHETIC PAO	SYNTHETIC PAO	SYNTHETIC CPAO	SYNTHETIC CPAO
Penetration, Worked 60X	240	280	330	370	410	420
Dropping Point, °C	275+	275+	225	200	NA	NA
Pump ability	Fair	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, 50 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.

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Synthetic Food Grade Grease
Product Name SYG 990 ALFG
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 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
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 2ndsubstance with exposure limit
is: Notation 2:

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