

# SYG-990 / FGHT Grease

Synthetic Food Grade Grease (NSF CERTIFIED, Category H1)

---

## Product Description

SYG-990/ FGHTgrease is high performance grease specially blended for the lubrication of machinery used in food and beverage Processing and packaging industry. It is based on Aluminum complex thickener, synthetic fluid and selected additives chosen for their ability to meet the stringent requirements of the food industry.

Registered by NSF (Class H1) for use where there is potential for incidental contact with food. These products meet the former guidelines (1998) of the US Department of Agriculture Food Safety and Inspection Service (USDA FSIS) for H1 use (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 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 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 & seals of tank closures

## Features and Benefits

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

## 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

## Typical Properties

PROPERTIES	Value
<b>NLGI GRADE</b>	2
<b>Appearance</b>	Translucent
<b>Thickener Type</b>	Aluminum Complex
<b>Base Oil Type</b>	SYNTHETIC PAO
<b>Penetration, Worked 60X</b>	280
<b>Dropping Point, °C</b>	290+
<b>Pumpability</b>	Fair
<b>Temperature range</b>	-40 to 350 °C
<b>Base Oil Viscosity @ 40 °C</b>	40
<b>EP and Wear Protection</b>	
<b>Four-Ball Wear, Scar Dia, mm, max.</b>	0.4
<b>Four-Ball EP, Weld Load, ASTM D 2596, kg.</b>	400
<b>Water Washout, ASTM D 1264, 79 ° C, wt. %, max.</b>	5.5
<b>Evaporation, ASTM D 972, % at 177 ° C</b>	1.5

**Available Packs: 1, 5, 18, 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 meets or exceeds.

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** SYG 990 FGHT-2 Grease  
**Company Identification** - Petrelplus Inc.  
One World Center, Tower One, 9<sup>TH</sup> Floor,  
SenapatiBapatMarg, Lower Parel,  
Mumbai-400013, Maharashtra  
Cell # +91 93522 25457  
[marketing@petrelplus.com](mailto:marketing@petrelplus.com)  
[www.petrelplus.com](http://www.petrelplus.com)

### 2. COMPOSITION/ INFORMATION ON INGREDIENTS

1-Decene, Homopolymer, Hydrogenated  
Aluminum Complex thickener  
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 MEASURES

Foam, carbon dioxide or dry power.

### 6. ACCIDENTAL RELEASE MEASURES

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. HANDLING AND STORAGE

#### Storage

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 CONTROLS/PERSONAL PROTECTION

Exposure Standard: The substance with exposure limit is: Notation 1:

Exposure Standard:

#### 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. PHYSICAL AND CHEMICAL PROPERTIES

NLGI GRADE 2

Soap Type Aluminum Complex

Penetration 280 ASTM D 217

Dropping Point, ° C. 290+ ASTM D 2265

#### **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

2nd substance with exposure limit is: Notation 2: