



SYG-990/ FGPTFE GREASE

FOOD GRADE GREASE

Product Description

SYG 990 FGPTFE is approved by NSF International as H1 grade Lubricant. The product meets requirements of USDA H1* 21 CFR. (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.)

SYG 990 FGPTFE is multi-service, non-melting, waterproof Silicone grease fortified with PTFE. It is designed specifically to lubricate, seal out water, and resist chemical attack under the most demanding conditions. SYG 990 FGPTFE with its excellent film strength and extreme pressure qualities forms a tough durable film of lubrication that prevents metal to metal contact.


Applications

SYG 990 FGPTFE with its waterproof and chemical resistant capabilities is an excellent lubricant on all sliding surfaces and slows to high-speed bearings, operating in adverse conditions. Because of its pure synthetic base, high load carrying capacity and wear protection characteristics, SYG 990 FGPTFE is far superior to petroleum, white oil-based greases on the market today. This makes SYG 990 FGPTFE truly multi-service grease in both food grade and non-food grade applications operating in temperatures from -20°C to 315°C. Due to its NSF/U.S.D.A. H1 *Registration, SYG 990 FGPTFE is an excellent choice for both Food Processing plants, where equipment wash down is an everyday requirement and Water Industries, where contamination of conventional petroleum lubricants is a primary environmental concern. SYG 990 FGPTFE is compatible with most rubbers and plastics and is a superior lubricant for "O" rings. Some of its diversified uses include,

- PUMP BEARINGS,
- STERILIZER CHAINS,
- BUSHINGS,
- SLIDES AND WAYS,
- CAN SEAMERS,
- POOL EQUIPMENT VALVES,

PETRELPLUS INC.

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- **ELECTRIC MOTORS,**
- **GASKETS AND "O" RINGS,**
- **WATER FILTERS,**
- **CONVEYORS and UNIVERSAL JOINTS.**

Benefits

- PUMP BEARINGS
- STERILIZER CHAINS
- BUSHINGS
- SLIDES AND WAYS
- CAN SEAMERS
- POOL EQUIPMENT
- VALVES
- ELECTRIC MOTORS
- GASKETS AND "O" RINGS
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Technical Data

SYG-990 FGPTFE	
Color	Cremish White
Base Oil:	Synthetic
Thickener:	Synthetic
Texture:	Smooth & Tenacious
Solid Lubricant:	PTFE
NLGI Grade	2
Worked Penetration, ASTMD217, 60 Strokes	280
Worked Penetration, ASTMD217, 10,000 Strokes	290
Base Oil Viscosity, D-445 cSt, @ 40°C	100
Base Oil Viscosity, D-445 cSt, @ 100°C	42
Pour Point, °C, D-97	-20
Dropping Point, °C, D-566	315
Evaporation Loss, %D-972 (10 hours @ 210°F)	1.5
Corrosion Preventative Test, D-1743	PASS
Water Washout, % Loss, D-1264	1.9
Timken OK Load, lbs., D-2509	35
4-Ball Wear Scar, mm (40 Kg, 1 hr. @ 1200 rpm, 167EF), D-2266	0.50
Dielectric Strength, KV, D-877	30
WGK (German Water Classification)	0

**Available Packs: 1, 5, 18, 50, 180 Kg.
Shelf Life - 36 Months from the
manufacturing month.**

*All related specifications meet or exceed.

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 990/ FGPTFE GREASE (FOOD GRADE)
Supplier PETRELPLUS INC

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2. COMPOSITION

Composition of no hazardous components. Synthetic base oil, PTFE 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 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 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

Color	- Creamish White
Solid lubricant	- PTFE
NLGI	- 2
Base Oil	- Synthetic
Base oil viscosity, 40°C, cSt	- 100

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

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 INFOMRATION

IMDG No.: Not classified
Packing Groups: IATA-DGR
Class No.: Not classified
TREM CARD: 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.