

SYF-990/FOOD GRADE GREASE SPRAY (NSF CERTIFIED, CATEGORY H1)

Product Description

SYG-990/ FOOD GRADE GREASE SPRAY is high performance 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 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.
- 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.

Benefits

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

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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	VALUES
NLGI GRADE	000
Appearance	Creamy white
Thickener Type	Aluminum Complex
Base Oil Type	Synthetic PAO
Penetration, Worked 60X	420
Dropping Point, °C	NA
Pumpability	Very Good
Temperature range	-40 to 250 °C
Base Oil Viscosity @ 40 °C	32
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: 500 ML SPRAY.

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 SYF-990/FOOD GRADE GREASE SPRAY
Supplier PETRELPLUS INC.

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2. COMPOSITION

No harmful substances. Blended from Decene, Homopolymer, Hydrogenated, Aluminum Complex thickener 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 powder.

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

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.

Storage - Store in delivery packs in a cool & dry place.

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	- Creamy White
Thickener	-Aluminum Complex
Penetration	- 420
NLGI	- 000

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.

DISCLAIMER/USER'S RESPONSIBILITY: PETRELPLUS INC. Provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriate use.