

## **SYF-990/GEAR SPRAY** FOOD GRADE MULTIPURPOSE GEAR/OPEN GEAR LUBRICANT

### **Product Description**

SYF-990/GEAR SPRAY is a non-toxic, water-resistant lubricating aerosol designed primarily for the effective lubrication of all types of gears & conveyors operating in food, pharmaceutical and other clean environments. SYF-990/GEAR SPRAY is an excellent all round lubricating fluid containing additives to boost performance and improve adhesion. It also offers excellent water wash off resistance and corrosion protection necessary for lubricants used in food, pharmaceutical and other clean environments.

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 List of Proprietary Substances and Nonfood Compounds". Product contains only substances permitted under US 21 CFR 178.3570, for use in lubricants with incidental food contact.

### **Benefits**

- SYF-990/GEAR SPRAY has metal detectable plastic components (aerosol caps and actuators) capable of detection by most metal detection equipment.
- SYF-990/GEAR SPRAY offers an excellent wide temperature resistance of -20°C to +150°C (+180°C for short periods).
- SYF-990/GEAR SPRAY exhibits excellent penetration and load carrying properties ensuring that the product lubricates and protects inside rollers, links, pins etc.
- SYF-990/GEAR SPRAY provides a water displacing, highly adhesive film with excellent water-wash off resistance and corrosion protection.
- SYF-990/GEAR SPRAY has excellent oxidation stability resulting in extended re-lubrication intervals and a reduction in lubricant usage.

### **Directions for Storage and Use**

- Shake the SYF-990/GEAR SPRAY thoroughly before spraying.
- Hold can upright and apply from a distance of 15-30 cm (6-12 inches) covering the chain thoroughly.
- Also available as FOODLUBE CHAIN Fluid for application by manually.
- The storage temperature should be kept below +40°C, and the storage area should be out of direct sunlight.

**PETRELPLUS INC.**

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## Specifications

- SYF-990/GEAR SPRAY does not contain: mineral hydrocarbons, animal derived materials, nut oils or genetically modified ingredients.
- SYF-990/GEAR SPRAY is manufactured from only FDA listed ingredients.

## Typical Properties

PROPERTIES	TEST METHODS	RESULTS
Appearance	Visual	Pale yellow, almost colorless, liquid
Base Type	N/A	Polyalphaolefin (PAO)
Propellant	N/A	Hydrocarbon
Additives	N/A	Tackifiers
Base Fluid Viscosity at 40°C	IP71 – ASTM D445	150cSt
Temperature Range - Continuous	N/A	-20°C to +150°C
Temperature Range - Short Periods	N/A	Up to 180°C
4-Ball Weld Load	IP239 – ASTM D2596	180kg
Metal Detection:		
Aerosol Cap	Equivalent sphere size	>3.0mm
Actuator	Equivalent sphere size	>3.0mm

**Available Packs: 400 ML / 500 ML Aerosol packs.**

**Shelf Life – 36 Months from the 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.

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## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product** SYF-990/GEAR SPRAY  
**Supplier** PETRELPLUS INC.

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## 2. COMPOSITION

No harmful substances. Blended from Polyalphaolefin (PAO) Hydrocarbons 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	- Pale Yellow
Operating Temperature, Continuous	- (-20 to 150°C)
Base oil viscosity @ 40°C	- 150 cSt -
4-Ball Weld Load	- 180 Kg

**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.