

## **SYF-990/FOOD GRADE PTFE SPRAY** MOLD RELEASE AND DRY FILM LUBRICANT (NSF CERTIFIED, CATEGORY H1)

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### **Product Description**

SYG-990/ FOOD GRADE PTFE SPRAY is high performance Dry lubricant specially blended for the lubrication of machinery used in food and beverage Processing and packaging industry. It is a dispersion of PTFE in a fast-drying solvent system with a minimum amount of binder. The resultant film has superior adhesion and exceptional wear life.

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.

### **Recommended Usage**

SYG-990 FOOD GRADE PTFE SPRAY is an excellent general purpose dry lubricant for a variety of uses a thin film of this spray will allow effective assembly and dis-assembly of threaded connections without galling or seizing. In machine shops, apply to bed ways, guides, lead screws, dead centers etc. For smooth trouble-free operation. New and rebuilt parts treated with SYG-990 Food Grade PTFE Grease will breaking with low friction and no surface damage during start up.

### **Benefits**

- Unique 100% dry-film PTFE coating and lubricant.
- Clean, long-lasting micro-thin, dirt-resistant coating – Effective -74 °C to 400 °C.
- Creates a thin, dirt-repelling, chemical-resistant coating – Uses proprietary resin-bonding Technology.
- For tight tolerance, metal-on-metal applications.
- Safe for all surfaces – Does not contain silicone.
- Surface to which coating is to be applied should be clean and dry.
- Oil or grease films should be removed by solvent cleaning or vapor degreasing.
- If surfaces are heavily corroded or rusty, remove by mechanical or chemical means.

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**PETRELPLUS INC.**

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## Typical Properties

PROPERTIES	VALUES
Color	Transparent
Temperature Range	-74 °C to 400 °C
Solid Lubricant	PTFE
Layer Thickness	7-15 micron
Coefficient of friction	0.23 (Static)

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

**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 met or exceed.

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product** SYG-990/ FOOD GRADE PTFE DRY FILM SPRAY  
**Supplier** PETRELPLUS INC.

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## 2. COMPOSITION

No harmful substances. BUTANE (10-30%), PROPANE (10-30%), BENZENE, 1, 2, 4-TRIMETHYL, SOLVENT NAPHTHA, LIGHT, PTFE, THERMOPLASTIC METHA-ACRYLATE RESIN.

## 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	- Transparent	
Solid Lubricant	- PTFE	
Temperature range, °C	- (-74 to 400)	-
Coefficient of friction	- 0.23 (Static)	

## 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.