



# SYG-990/LSP GREASE

LITHIUM, SILICONE and PTFE GREASE

## Product Description

SYG-990/LSP Grease consists of a Silicone Lubricating fluid thickened with a special complex Lithium soap and PTFE. This grease is primarily designed for use in EPDM seals & fittings, valves in the food and beverage industry and ball bearings operation under moderate to heavy loads and at temperature (-50 ° C to 220° C). This grease will be available in three consistencies (light, medium and heavy) and can be applied by spatula, grease gun.

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

- Lubrication of seals and fittings in the food and beverage industries.
- Kiln pre-heater fans, Oven fans, Radiator cooling fans.
- Textile hot Standers, Slashers and Driers.
- Conveyor System.
- Timer Motor bearings.
- Plastic bearings and gears.
- Beer taps, barrel filling installations and valves.

## Benefits

- Excellent EPDM compatibility.
- Free of harmful mineral hydrocarbon oils.
- Excellent anti-wear characteristic.
- Good E.P. characteristic.
- Does not attract plastics.
- Has resistance to steam and evaporation.
- Long life in moisture and corrosive atmosphere.
- Possess low torque value.

**PETRELPLUS INC.**

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## Typical Properties

Characteristics	LIGHT	MEDIUM	HEAVY
Appearance.	Off White	Off White	Off White
Texture	homogeneous	homogenous	homogeneous
Service Temperature	-50°C to 220°C	-50°C to 220°C	-50°C to 220°C
Penetration (ASTM 60xWorked) Min-Max	290-330	240-280	190-230
Dropping point °C	240	240	240
Heat stability at 150 deg. 30/hours	3hrs (Max.)	3hrs (Max.)	3hrs (Max.)
Evaporation less % @ 150/24 hours	2 hours	2 hours	2 hours
Action on plastic	Nil	Nil	Nil
Water Resistance test % loss	5 Max.	5 Max.	5 Max.
Corrosion test as per I.P. 220/1963	Pass	Pass	Pass
Oxidation stability @ 212 deg. per 500 hours, LBS/SQ. Inch	5 Max.	5 Max.	5 Max.

**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/ LSP GREASE (FOOD GRADE)  
**Supplier** PETRELPLUS INC

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## 2. COMPOSITION

Composition of Silicone lubricating fluid, special complex Lithium Soap, 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

Characteristics	LIGHT	MEDIUM	HEAVY
Appearance.	Off White	Off White	Off White
Texture	homogeneous	homogenous	homogeneous
Service Temperature	-50°C to 220°C	-50°C to 220°C	-50°C to 220°C
Penetration (ASTM 60xWorked) Min-Max	290-330	240-280	190-230
Dropping point °C	240	240	240

## 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 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.