



# SYF-1890/MOLYPET MOS<sub>2</sub> AEROSOL

## Product Description

SYG-1890 /MOLYPET Moly Spray is a high-performance part in aerosol form that is particularly effective as a running-in lubricant compound with molybdenum disulphide (MoS<sub>2</sub>) and other solid lubricants in a special Grade mineral oil, this product features an unusually low coefficient of friction immediately upon application without burnishing. Because of its unique formulation in aerosol form, this lubricant can be supplied in thin controlled films on surfaces even when brushing or burnishing is impossible.

## Applications

SYG-1890 /moly pet is one of the best lubricants available for running in applications. It is particularly useful for surfaces that cannot be burnished and when the lowest possible coefficient of friction is desired.

## Benefits

- It is especially suitable as a Spray in lubricants.
- Does not require burnishing.
- Provides a lower coefficient of friction than most other MoS<sub>2</sub> paste.
- Features a solvent that quickly evaporates and allows the sprayed part to be used within a second.
- Has a service temperature range of -31° C (-35 °C) to 750F (399 °C).
- Require no special surfaces preparation and film thickness is easily controlled especially useful for precision equipment's.
- Reduces friction, prevents metal contact, galling, seizing and protects against wear, especially during initial running-in and under severe operating conditions.

## Typical Properties

PROPERTIES	TEST METHOD	TYPICAL RESULTS
Color	Visual	Black
Coefficient of friction		0.055
Oscillating LFW-1 Wear Scar, mm		0.52
Corrosion resistance, after 7 days at 100% R.H. on QD-38 mild steel		No rust
Effects on Copper strip, after 2 hrs./212 °F (100 °C)	ASTM D 130	No carnish
Specific gravity at deg.77 F (25 ° C)		1.7

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

**Shelf Life – 36 Months from the Manufacturing month.**

\* All related specifications are meets or exceeds.

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-1890 /MOLYPET  
**Supplier** PETRELPLUS INC.  
One World Center, Tower One, 9<sup>th</sup> Floor, Senapati Bapat Marg, Lower Parel, Mumbai-400013, Maharashtra.  
Call # +91 22 6216 7072  
(Monday to Friday)  
Cell # +91 93522 25457  
[marketing@petrelplus.com](mailto:marketing@petrelplus.com)  
[www.petrelplus.com](http://www.petrelplus.com)

## 2. COMPOSITION

No harmful substances. Composition of Synthetic base oil with Molybdenum Di-sulfide and proprietary additives.

## 3. HAZARDS IDENTIFICATION

GHS Classification Flammable aerosols: Category 1  
Gases under pressure: Dissolved gas  
Specific target organ systemic toxicity - repeated exposure: Category 1 (Central nervous system)  
GHS label elements  
Hazard pictograms:  
Signal Word: Danger  
Hazard Statements: H222 Extremely flammable aerosol. H280 Contains gas under pressure; may explode if heated. H372 Causes damage to organs (Central nervous system) through prolonged or repeated exposure.  
Precautionary Statements: Prevention: P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking. P211 Do not spray on an open flame or other ignition source.

## 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

**STORAGE:** 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	- Black
Solid Lubricant	- MoS <sub>2</sub>
Coefficient of friction	- 0.055 (Static)
Corrosion Resistance	- No Rust

## 10. STABILITY AND REACTIVITY

### HAZARDOUS REACTIONS

#### Comments

HAZARDOUS DECOMPOSITION PRODUCTS Thermal decomposition produces noxious fumes

## 11. TOXICOLOGICAL INFORMATION

LD<sub>50</sub> Acute Oral Toxicity: > 5000:mg/Kg: Rat

LC<sub>50</sub> Acute Inhalation: mg/1

Eye Irritation: No: Rabbit

Skin Irritation: No.: Rabbit

Sensation: No

Further Information

## 12. ECOLOGICAL INFORMATION

LC<sub>50</sub> (96 Hour): mg/1

EC<sub>50</sub> (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.