

# SYG-1365/460 SYNTHETIC GREASE-00

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## Product Description

SYG-1365 is a high performance, extreme-pressure greases which combine a synthetic base fluid with a lithium complex soap thickener. The thickener system provides a high dropping point, excellent resistance to water wash, and a tenacious structural stability. The unique physical properties of the synthetic base oil, combined with selective additives, provide outstanding protection against wear, rust, Corrosion and high temperature degradation. The wax-free feature of the synthetic base oil allows for low temperature mobility/pump ability and very low starting and running torque values. Also, the traction property of the synthetic base fluid in these greases is considerably lower than mineral oil, allowing for temperature reductions in the load zone of rolling element bearings.

## Applications

SYG-1365 grease is recommended for industrial applications at both high and low temperatures. It will provide outstanding bearing protection under heavy loads at low to moderately high speeds, and where water is a factor. SYG-1365 has performed extremely well in steel mill and paper mill applications. It also has proven exceptional severe service automotive chassis grease.

## Benefits

- SYG-1365 synthetic greases provide the following advantages when compared with mineral oil greases intended for similar services.
- Operating range of -40°C to +240°C.
- Excellent Resistant to rust, corrosion and oxidation.
- Outstanding structural stability in the presence of water.
- Excellent wear protection under heavy loads and high temperature.
- Power saving capabilities.
- Extended re lubrications intervals.
- Low volatility.

## Typical Properties

SYG-1365	00
Soap Type	Lithium Complex
Structure, Visual	Smooth, Slight Tack
NLGI	00
Color, Visual	Red
Penetration, Worked	415
Dropping Point °C	250
Viscosity of Base Oil	
CST at 40°C	460
CST at 100°C	46.5
FZG Gear Test Failure Stages passed	12+
Timken OK Load, kg	27.2
4-Ball Wear, Scar mm	0.6
4-Ball Weld Load, Kg	250

**Available Packs: 1, 5, 18 and 180 Kg**

**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.

**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product** SYG-1365 SYNTHETIC GREASE  
**Supplier** PETRELPLUS INC.

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 Call # +91 22 6216 7072  
 (Monday to Friday)  
 Cell # +91 93522 25457  
[marketing@petrelplus.com](mailto:marketing@petrelplus.com)  
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**2. COMPOSITION**

No harmful substances. Composition of Synthetic hydrocarbon base oil, Lithium complex soap and proprietary additives.

**3. HAZARDS IDENTIFICATION**

**FIRE** -Flammable at high temperature.

**HEALTH**

Eye contact -May cause mild irritation to the eyes upon direct contact.  
 Skin contact -Prolonged contact may defat the skin or can cause dermatitis.  
 Inhalation -hazards.  
 Ingestion -Harmful if swallowed.

**4. FIRST-AID MEASURES**

Inhalation -Remove person to fresh air. Seek medical help if discomfort persists.  
 Ingestion -Do not induce vomiting. Seek medical support.  
 Skin Contact -Immediately flush skin with plenty of water for at least 15 minutes.  
 Eye Contact -Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally.

**5. FIRE-FIGHTING METHODS**

Extinguishing media -Use dry chemical powder or carbon di – oxide or foam.  
 Special protective equipment -Positive pressure self-contained breathing apparatus.

**6. ACCIDENTAL RELEASE MEASURE**

Personal protection - Adequate ventilation, gloves, goggles, overalls and boots.  
 Environmental precautions - Avoid entry into water courses.  
 Clean up method - Absorb on inert material.

**7. STORAGE AND HANDLING**

Handling - Impervious gloves & eye protection ensure good ventilation. Keep away from source of ignition.  
 Storage - Store in a cool & dry place.

**8. EXPOSURE CONTROL / PERSONAL PROTECTION**

Respiratory protection - Not required under normal conditions.  
 Skin/hand protection - Impervious gloves, overalls, and boots.  
 Eye protection - Use Goggles

**9. TYPICAL PROPERTIES**

Soap - Lithium Complex  
 Color - Red  
 NLGI - 00  
 Drop point, °C - 250

**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**

- Skin contact - Possible irritation
- Eye contact - Possible irritation
- Inhalation - Not applicable
- Ingestion - Irritation. May cause lung damage.
- Long term effect - Not known

**12. ECOLOGICAL INFORMATION**

- Mobility - Mobile
- Degradation - Low
- Accumulation -Not expected
- Short- & Long-Term effect - Water pollutant

**13. DISPOSAL CONSIDERATIONS**

Dispose off according to local and national regulations.

**14. TRANSPORT INFOMRATION**

- CPL - Not applicable
- IMO -Not applicable

**15. REGULATORY INFORMATION**

- Symbol(s) -Not applicable
- Phrase(s) - Not applicable
- Phrase(s) - Not applicable

**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.