

SYF-1800-M CHAIN OIL

SYNTHETIC HIGH TEMPERATURE CHAIN LUBRICANT WITH MoS₂ ACTIVE

Product Description

SYF-1800 is a high temperature lubricant which has been specially formulated with synthetic base stocks having unusually high temperature lubricating capability. Careful selection of additives results in a fluid which resists high temperature decomposition and prevents the formation of sludge or carbon normally produced by petroleum-based products. This results in longer equipment life, less maintenance, better efficiency, while costly downtime is significantly reduced.

Applications

SYF-1800 is excellent for tenter frame ovens, ceramics production, bakery ovens and glass production. It is equally recommended for paint curing ovens, paper manufacturing, and plywood production and can also be used as a bearing lubricant in high temperature environments.

Benefits

- Excellent high temperature oxidation resistance.
- Superior thermal stability for prolonged lubricant life.
- Extremely low volatility/less lubricant consumption.
- Outstanding anti-wear properties/reduced chain drag.
- Contains Mo-x Active for active performance

Typical Properties

PROPERTIES	TYPICAL VALUES				TEST METHODS
GRADE	180	220	320	460	
Viscosity Cst @100 ° C	19.6	23.3	29.6	48	ASTMD-445
Viscosity Cst @ 40 ° C	180	220	320	460	ASTMD-445
Pour Point (° C)	-28	-10	-10	-10	ASTM D-97
Flash Point (° C)	>290	>290	>290	>290	ASTM D-92
Specific Gravity, 60/60° F(15.6/15.6 °C)	0.95	0.95	0.95	0.95	ASTM D-1298

Thermal Stability of SYF-1800 V/S a Competitive Synthetic Chain Lubricant

Test samples maintained at 300 °F (140 °C) for 48 hours

	Competitive Chain Lubricants	SYF 1800
Viscosity Increase, 210 ⁰ F. (98.9 ⁰ C), %	+6.40	+2.59
Wt. Loss%	-4.67	-0.98

Thermo Gravimetric Evaluation of SYF-1800 V/S Competitive Synthetic Chain Oil

Test Sample temperature were increased at a rate of 10⁰C (50⁰F)/min. in a nitrogen atmosphere.

Temperature, °C (°F) @	Competitive Chain Lubricant	SYF 1800
10% sample weight loss	280 (536)	320 (608)
50% sample weight loss	325 (617)	365 (689)
90% sample weight loss	345 (653)	385 (725)

Available Packs: 20, 50 and 210 Litres.

SPRAY: 500 ml.

Shelf Life: 36 Months from 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 SYF-1800-M CHAIN OIL
Supplier PETRELPLUS INC.

One World Center, Tower One, 9th Floor, Senapati Bapat Marg, Lower Parel, Mumbai-400013, Maharashtra.
 Call # +91 22 6216 7072
 (Monday to Friday)
 Cell # +91 93522 25457
marketing@petrelplus.com
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2. COMPOSITION

No harmful substances. Composition of Mineral base oils with MoS2 Active and performance-based 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

Kinematic Viscosity @ 40°C, cSt - 180 to 460
 Flash Point, °C - (> 290)
 Specific Gravity, 60/60°F (15.6/15.6 °C) - 0.95
 Pour Point, °C - (- 10 to -28)

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 INFORMATION

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.