

SYF - 1800

Synthetic High Temperature Chain Lubricant

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 result 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.

Application

SYF-1800 is excellent for tester 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.
- Very low evaporation rate.

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

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

Test samples maintained at 300 ° C. (140 ° C.) for 48 hrs.

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

Temperature, oC (oF)@	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)

Test Sample temperature were increased at a rate of 10oC (50oF)/min. in a nitrogen atmosphere.

SYF 1800 is also available as SYF-1800/AS Adhesive Chain Spray.

Available Pack: 5, 20, 50, 210 Ltr.
Shelf Life: 36 Months from 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 meets or exceeds

PETRELPLUS INC.

One World Center, Tower One, 9th Floor, SenapatiBapatMarg, Lower Parel, Mumbai-400013
mail-marketing@petrelplus.com, www.petrelplus.com

☎ +91 93522 25457 📱 +91 95098 25457



Technical Data Sheet

Typical Properties

Properties:	TYPICAL VALUE						TEST METHOD
	GRADE	32	180	220	265	320	4 0
Viscosity Cst @100 ° C	6.1	19.6	23.3	30	29.6	4	ASTMD-445
Viscosity Cst @ 40 ° C	32	180	220	265	320	4 0	ASTMD-445
Pour Point (° C)	-55	-28	-10	-32	-10	-10	ASTM D-97
Flash Point (° C)	240	>290	>290	300	>290	> 90	ASTM D-92
Specific Gravity, 60/60° F(15.6/15.6 ° C)	.095	0.95	0.95	0.95	0.95	0.95	ASTM D-1298
Base Oil	Synthetic	Synthetic	Synthetic	Synthetic	Synthetic	Synthetic	---
Color	Natural	Natural	Natural	Natural	Natural`	Natural`	ASTM D1500
Four Ball Wear Test Wear scar Diameter 300 N/1 Hr.	0.6	0.4	0.4	0.3	0.3	0.3	DIN 51350 3B

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mail-marketing@petrelplus.com, www.petrelplus.com

 +91 93522 25457
  +91 95098 25457

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product SYF-1800 SYNTHETIC HIGH TEMPERATURE CHAIN LUBRICANT
Supplier Petrelplus Inc.
One world Center, Tower one, 9th Floor, SenapatiBapatMarg, Lower Parel, Mumbai - 400013, Maharashtra.
Cell # +91 93522 25457
marketing@petrelplus.com
www.petrelplus.com

2. COMPOSITION

Synthetic Ester Base Oil, Proprietary additives

3. HAZARDS IDENTIFICATION

Not classified as hazardous.
Other Hazards:

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 1: 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 :

Viscosity Cst @ 40 ° C	32 to 460
Pour Point (° C)	-10 to -55
Flash Point (° C)	>290
Stability:	Stable under normal conditions

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 :

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.