

PRODUCT INFORMATION

FROM THE HOUSE OF PETRELPLUS INC.

SYF-990/HYDROPLUS FG

Synthetic (PAO) oils, suitable for incidental food contact. (NSF Certified, Category H1)

Product Description

SYF-990/ HYDROPLUS FG Synthetic Food Grade Lubricant is a range of non-toxic, mineral hydrocarbon free hydraulic fluids for use within clean environments. The product is approved by NSF International as H1 grade Lubricant. The product meets requirements of USDA H1* 21 CFR. (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.)

SYF-990/ HYDROPLUS FG Synthetic Food Grade Lubricant contain the unique extreme pressure and load carrying performance characteristics designed to protect gear teeth on start up and provide protection during use.

SYF-990/ HYDROPLUS FG Synthetic Food Grade Lubricant increase service intervals operate over a wide temperature range and provide excellent corrosion protection. Synthetic Food Grade Lubricant fluids are resistant to water wash off and are particularly suitable for use in wet conditions and applications where frequent wash downs occurs.

Features & Benefits

- Good load carrying capabilities FZG load stage 12
- Tenacious, non drip film
- Excellent corrosion protection
- · Good water displacing properties
- 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.

Directions of use:

Gearboxes should be drained and flushed prior to filling, to the normal top up level with Food Grade Synthetic Lubricants.

Technical Data

PROPERTIES (ISO VG)	Test Method	15	32	46	68	100	220	320	460
Specific Gravity	ASTM D1296	0.82	0.83	0.83	0.84	0.84	0.87	0.88	0.87
Flash Point °C	ASTM D92	216	250	255	260	255	255	255	255
Viscosity @ 40 °C CST	ASTM D45	18	32	46	67.5	97	220	320	460
Viscosity @ 100 °C CST	ASTM D45	4.0	6	7	8	13	26	35	46
Viscosity Index	ASTM D2270	127	132	135	148	148	150	155	155
Pour Point. °C	ASTM D97	-70	-70	-60	-50	-45	-36	-33	-27
Fire Point °C	ASTM D92	275	280	285	320	310	310	310	310
Aniline Point °C	ASTMD-611	115	115	115	115	115	115	115	115

Material Safety Data Sheet

1. IDENTIFICATION

PRODUCT:- SYF-990/ HYDROPLUS FG SYNTHETIC FOOD GRADE LUBRICANT (NSF Certified, Category H1)

Supplier: - Petrelplus Inc.

Level17. DLH Park.

Ramlal Compound, S.V. Road,

Near Goregaon Flyover, Goregaon (w),

Mumbai-400064, Maharashtra.

Call # +91 22 6216 7072 (Monday to Friday)

Cell # +91 93522 25457 marketing@petrelplus.com www.petrelplus.com

2. COMPOSITION

1-Decene, Homo polymer, Hydrogenated Proprietary additives

3. HAZARDS INDENTIFICATION

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 MEASURES

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:

 Specific Gravity 15.6 / 15.6 °C
 0.83-0.84

 Flash Point °C
 >250

 Viscosity @ 40 °C CST
 32 to 1000

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: 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 INFOMRATION

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

Available Packs: 1, 5, 20, 210 Ltr.

Shelf Life: 60 Months from manufacturing month.

PETRELPLUS INC.