

SYF-990/COMPRESSORPLUS FG

FOOD GRADE SYNTHETIC COMPRESSOR FLUID

Product Description

SYF 990/COMPRESSORPLUS FG are special compressor oils developed for the food-processing and pharmaceutical industries. They are fully synthetic and can be mixed with mineral oil as well as other synthetic hydrocarbon oils. SYF 990/COMPRESSORPLUS FG offer very good oxidation stability due to the synthetic base oil, thus minimizing oxidation residues in the compressors and extending oil change intervals and the service life of oil filters and separators. SYF 990/COMPRESSORPLUS FG are NSF H1 registered and therefore comply with FDA 21 CFR Sec 178.3570. The lubricants were developed for incidental contact with products and packaging materials in the food-processing, cosmetics, pharmaceutical or animal feed industries. The use of SYF 990/COMPRESSORPLUS FG can contribute to increase reliability of your production processes. We nevertheless recommend conducting an additional risk analysis, e.g. HACCP.

APPLICATIONS

- SYF 990/COMPRESSORPLUS FG can be used as vacuum pump oils, evacuating air or inert gases if a food grade oil is required.
- SYF 990/COMPRESSORPLUS FG can be used for oil-injected air/screw-type compressors, reciprocating piston compressors and rotary vane compressors.
- SYF 990/COMPRESSORPLUS FG are intended for use in compressors of the food-processing and pharmaceutical industries requiring oil-free compressed air (without oil vapour, which cannot be removed by the oil separator).
- These oils are also suitable for gear lubrication in oil-free screw/air type compressors.

Benefits

- SYF 990/COMPRESSORPLUS FG are NSF H1 registered for use in the food-processing and pharmaceutical industries and comply with FDA 21 CFR Sec 178.3570.
- Low maintenance and operating costs due to extended oil change intervals up to 5,000 operating hours¹ in oil injected air/screw-type compressors.
- Easy compressor conversion from mineral to the synthetic SYF 990/COMPRESSORPLUS FG due to miscibility and compatibility with common seal materials.
- Low tendency to evaporation and thus low impact of the oil vapour on the compressed air.
- Longer service of oils filters, activated carbon filters and oil separators.
- Excellent demulsifying behavior and hence good water separation ability.

PETRELPLUS INC.

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Typical Properties

SYF 990/COMPRESSORPLUS FG ISO VG	32	46	68	100	150
Density, DIN 51757, 20 °C	0.83 g/cm ³	0.84 g/cm ³	0.84 g/cm ³	0.84 g/cm ³	0.84 g/cm ³
Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	32 mm ² /s	46 mm ² /s	68 mm ² /s	100 mm ² /s	150 mm ² /s
Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C	5.8 mm ² /s	7.5 mm ² /s	10.4 mm ² /s	13 mm ² /s	19 mm ² /s
Viscosity index, DIN ISO 2909	120	120	120	120	120
Demulsifying capacity, DIN 51599, ASTM D 1401, at 54 °C	43/37/3 ml	43/37/3 ml	43/37/3 ml	-	-
Demulsifying capacity, DIN ISO 6614, ASTM D 1401 at 82 °C	-	-	-	43/37/3 ml	43/37/3 ml
Pour point, DIN ISO 3016	-50°C	-50 °C	-48 °C	-45 °C	-39 °C
Flash point, DIN EN ISO 2592, Cleveland, open-cup apparatus	230°C	240 °C	250 °C	250 °C	250 °C

Available Pack: 5, 20, 50, 210 Litres

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.

1. PRODUCT AND COMPANY IDENTIFICATION

Product SYF 990 COMPRESSORPLUS
 FG-32 TO 150
Product Name Synthetic Food Grade
 Compressor Fluid (NSF Certified,
 Category H1)
Supplier One World Center, Tower One,
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 Call # +91 22 6216 7072
 (Monday to Friday)
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2. COMPOSITION

1-Decene, Homo polymer, Hydrogenated Proprietary additives, phenyl-1-naphthylamine

3. HAZARDS IDENTIFICATION

Physical hazards Not classified. Health hazards Not classified. Not classifies as Hazardous

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 :

Density,20°C,g/cm2	0.83 TO 0.84
Flash Point °C	230 TO 250
Viscosity @ 40 °C, mm/s2	32 TO 150
Viscosity @ 100 °C, mm/s2	5.8 TO 19

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 INFORMATION

IMDG No.: Not classified
Packing Groups : IATA-DGR Class No.: Not classified
TREM CARD: 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.

DISCLAIMER/USER'S RESPONSIBILITY: PETRELPLUS INC. provides the information contained herein good faith but makes no representation as to its comprehensive necessary accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriate use.