



ISO-9001 Registered Quality System.  
ISO-21469 Compliant.

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## PRODUCT DATA

# LUBRIPLATE "SFGO ULTRA" SERIES

## ISO VISCOSITY GRADES 100, 150, 220, 320, 460, 680 & 1000

"These products are certified OU Kosher Pareve"  
"These products are Halal certified"

\*NSF International H-1 Registered  
NSF ISO21469 Certification

### DESCRIPTION

LUBRIPLATE SFGO Ultra Series of synthetic hydrocarbon food grade fluids have been formulated with 100% pure PAO and ester synthetic base fluids. These Polyalphaolefin (PAO) and ester blended synthetic fluids are outstanding lubricants for use under severe conditions subject to extreme high and low temperatures. They exhibit outstanding oxidation resistance, thermal stability, anti-wear protection, and have the extreme pressure capabilities required for industrial gearboxes. These fluids are all zinc-free.

LUBRIPLATE strongly recommends the use of the LUBRIPLATE Oil Analysis Program to monitor performance, improve predictive maintenance and achieve the longest potential oil drain interval. SFGO Ultra Series has the potential to achieve 3 times or more the typical oil drain interval of mineral based oils. Contact your authorized LUBRIPLATE Distributor for more information on the LUBRIPLATE Oil Analysis Program.

### APPLICATIONS

LUBRIPLATE SFGO Ultra Series is recommended for gearboxes, bearings, pumps, compressors, blowers, and chains requiring ISO Viscosity Grades 100 through 1000.

Ferrum Packaging Ltd. has approved SFGO ULTRA-100 for use in their seamer/closing machines.

LUBRIPLATE SFGO Ultra Lubricants are compatible with most mineral base oils including LUBRIPLATE products such as LUBRIPLATE FMO-AW Series and LUBRIPLATE SPO Series. Always consult LUBRIPLATE before changing to an SFGO Ultra fluid from an existing lubricant that may not be compatible with Polyalphaolefin based fluids.

### ADVANTAGES

- ⇒ Excellent thermal stability resulting in longer service life.
- ⇒ Superior oxidation resistance.
- ⇒ Outstanding anti-wear properties providing extended equipment life.
- ⇒ Extreme pressure capabilities required for industrial gear boxes.
- ⇒ Exceptional demulsibility characteristics.
- ⇒ Superb corrosion inhibitor package.
- ⇒ Naturally high viscosity index and low pour points which ensure optimum performance over a wide operating temperature range.
- ⇒ Superior cleanliness characteristics.
- ⇒ Excellent compatibility with a variety of elastomers, seals, plastics and paints.



Nonfood Compounds  
H1 Registered  
ISO 21469 Certified



PAREVE



HALAL

### Typical Test Data – See Back

#### PACKAGING AVAILABLE

Carton, 4/1 Gallon Plastic Jugs  
5 Gallon Pail  
16 Gallon Drum  
55 Gallon Drum

#### Ultra 100

L0983-057  
L0983-060  
L0983-061  
L0983-062

#### Ultra 150

L0984-057  
L0984-060  
L0984-061  
L0984-062

#### PACKAGING AVAILABLE

Case 12/1 Quart Plastic Bottles  
Carton, 4/1 Gallon Plastic Jugs  
5 Gallon Pail  
16 Gallon Drum  
55 Gallon Drum

#### Ultra 220

L0985-054  
L0985-057  
L0985-060  
L0985-061  
L0985-062

#### Ultra 320

N/A  
L0986-057  
L0986-060  
L0986-061  
L0986-062

#### PACKAGING AVAILABLE

Carton, 4/1 Gallon Plastic Jugs  
5 Gallon Pail  
16 Gallon Drum  
55 Gallon Drum

#### Ultra 460

L0987-057  
L0987-060  
L0987-061  
L0987-062

#### Ultra 680

L0988-057  
L0988-060  
L0988-061  
L0988-062

#### PACKAGING AVAILABLE

Carton, 4/1 Gallon Plastic Jugs  
5 Gallon Pail  
16 Gallon Drum  
55 Gallon Drum

#### Ultra 1000

L0989-057  
L0989-060  
L0989-061  
L0989-062

#### \*NSF International H-1 Registration No.'s (Meets former USDA 1998 Guidelines)

(Ultra 100) [125682](#) (Ultra 150) [125683](#) (Ultra 220) [125539](#)  
(Ultra 320) [125540](#) (Ultra 460) [125541](#) (Ultra 680) [125542](#)  
(Ultra 1000) [125543](#)

\*Registered H-1 by NSF International for use in food processing facilities as a lubricant or anti-rust agent on equipment in which there may be incidental contact involving the lubricated part and the edible product.

"The LUBRIPLATE SFGO Ultra Series contains no components derived from TSE/BSE relevant animal species; therefore, it is compliant with the requirements of the TSE Note for Guidance EMA/410/01 Rev. 3 July 2011".

Manufactured with ingredients that comply with FDA 21 CFR 178.3570 and FDA 21 CFR 172.882.

### STORAGE RECOMMENDATIONS

- ⇒ Products should be stored between 40°F-120°F
- ⇒ Products should be stored in a dry covered environment
- ⇒ Products should not be stored in warm, direct sunlight
- ⇒ Improper storage conditions can significantly alter the shelf life of the product. Such conditions would include temperature, moisture, open containers, etc.

PROPERTY	TEST METHOD	TYPICAL RESULTS*						
		SFGO Ultra 100	SFGO Ultra 150	SFGO Ultra 220	SFGO Ultra 320	SFGO Ultra 460	SFGO Ultra 680	SFGO Ultra 1000
Viscosity SUS @ 100°F	ASTM D-2161	556	762	1088	1557	2143	3289	4900
Viscosity SUS @ 210°F	ASTM D-2161	77	97	128	161	211	275	372
Viscosity cSt @ 40°C	ASTM D-445	98	146	222	318	452	623	950
Viscosity cSt @ 100°C	ASTM D-445	14	19	26	34	46	57	77
Viscosity Index	ASTM D-2270	145	141	146	152	159	157	157
Pour Point	ASTM D-97	-43°F/-42°C	-43°F/-42°C	-42°F/-41°C	-40°F/-40°C	-40°F/-40°C	-45°F/-43°C	-35°F/-37°C
Flash Point	ASTM D-92	485°F/252°C	495°F/257°C	520°F/271°C	520°F/271°C	480°F/249°C	500°F/260°C	500°F/260°C
Fire Point	ASTM D-92	520°F/271°C	525°F/274°C	540°F/282°C	545°F/285°C	515°F/268°C	545°F/285°C	545°F/285°C
API Gravity	ASTM D-287	33.9	33.2	32.6	32.0	31.1	34.5	33.7
Color	ASTM D-1500	1.0 max	1.0 max	1.0 max	1.0 max	1.0 max	1.0 max	1.0 max
4-Ball Wear Test	ASTM D-4172	0.32 mm	0.32 mm	0.32 mm	0.31 mm	0.31 mm	0.31 mm	0.30 mm
FZG Scuffing, A/8.3/90 Failure Stage	ASTM D5182/ DIN 51354			>14	>14	>14		

Demulsibility Characteristics	ASTM D-2711	SFGO Ultra 100
<b>Procedure B; Run 1:</b> Percent of Water in Oil		0.3%
Free Water Volume		86.8 ml
Emulsion Volume		0.0 ml
<b>Demulsibility Characteristics</b>	ASTM D-2711	
<b>Procedure B; Run 2:</b> Percent of Water in Oil		0.4%
Free Water Volume		86.0 ml
Emulsion Volume		0.0 ml
<b>Demulsibility Characteristics</b>	ASTM D-2711	
<b>Procedure B; Average:</b> Percent of Water in Oil		0.4%
Free Water Volume		86.4 ml
Emulsion Volume		0.0 ml

Note: LUBRIPLATE SFGO Ultra 220, SFGO Ultra 320 & SFGO Ultra 460 passed ASTM D-5182 and DIN 51354 Modified to 13 and 14 Stages.

Slight variations in product color may occur due to storage temperature and exposure to light. Product color has no impact on the lubricant's performance or to the food safety rating of this NSF H1 and ISO21469 certified product.