



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

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## PRODUCT DATA

# LUBRIPLATE "FGL" SERIES

## LUBRICANTS FOR TOTAL FOOD AND BEVERAGE PLANT PERFORMANCE

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

\*NSF International H-1 Registered  
NSF ISO21469 Certification

### DESCRIPTION

LUBRIPLATE FGL Greases have been formulated to meet the increased demands of the food, beverage and pharmaceutical industries. The trend towards NSF International H-1 Registered\* products to replace H-2 products has meant a great deal of research and testing to improve the capabilities of lubricants with incidental food contact; LUBRIPLATE FGL greases are the result of these new demands.

**Now with LUBRI-ARMOUR, LUBRIPLATE's anti-microbial additive which prevents the decomposition of lubricants caused by microorganisms. LUBRIPLATE FGL greases are treated with LUBRI-ARMOUR to remain fresh and last longer in harsh food processing environments.**

### ADVANTAGES

- ⇒ Formulated with clear water-white, non-toxic, USP white oils that comply with FDA Regulation 21 CFR 172.878.
- ⇒ Formulated with ingredients that comply with FDA regulation 21 CFR 178.3570 for lubricants with incidental food contact.
- ⇒ Unique thickener combination resists oil bleed problems often encountered using conventional food grade lubricants.
- ⇒ Longer lasting film allows less lubricant usage and extended re-greasing intervals.
- ⇒ Delivers high levels of Extreme Pressure and Anti-Wear protection. See specific test results in the data section.
- ⇒ Excellent stability helps retard softening of grease during high shear mechanical action often experienced in high-speed filling and packaging machinery.
- ⇒ High temperature stability and oxidation resistance.
- ⇒ Excellent resistance to water washout.
- ⇒ Aerosol package utilizes LUBRIPLATE'S SECURE STRAW DUAL SPRAY NOZZLE

### APPLICATIONS

**FGL-00** is a semi-fluid grease that is ideal for centralized lubrication systems that require a NLGI 00 grade of grease. FGL-00 is also good for older or leaky gear cases that can no longer contain an oil.

**FGL-0** is qualified for centralized lubrication systems on high-speed can-closing equipment. This product is non-separating in pumping devices and high-speed equipment. FGL-0 provides excellent anti-wear properties, exceptional water resistance, rust, oxidation and corrosion preventive qualities.

**FGL-1** for many plants, this NLGI 1 grade grease may be the most widely used lubricant due to its multi-functional capabilities. This includes low and high speeds, low and high temperatures and a wide range of loads.

**FGL-2** provides superior film strength for slower moving applications under severe operating conditions such as water, steam, high temperature and load. The excellent shear stability of this grease in combination with a unique tackiness agent provides a long lasting durable film of lubricant for large bearings, open gears, chains and other exposed surfaces.

### Typical Test Data – See Back

#### PACKAGING AVAILABLE

	FGL-00	FGL-0
Carton, 12/16oz. Plastic Tubs	***	L0230-004
Case, 4/6 lb. Plastic Tubs	L0226-005	L0230-005
Carton, 10 Cartridges	***	L0230-010
35 lb. Pail	L0226-035	L0230-035
120 lb. Quarter Size Drum	L0226-039	L0230-039
415 lb. Full Size Drum	L0226-040	L0230-040

Bulk Bins - Contact your LUBRIPLATE District Manager

#### PACKAGING AVAILABLE

	FGL-1	FGL-2
Case, 12/16oz. Plastic Tubs	L0231-004	L0232-004
Case, 4/6 lb. Plastic Tubs	L0231-005	L0232-005
35 lb. Pail	L0231-035	L0232-035
120 lb. Quarter Size Drum	L0231-039	L0232-039
415 lb. Full Size Drum	L0231-040	L0232-040
Case, 12/11 oz. Aerosol Cans	L0231-063	***
Carton, 40/14 oz. Cartridges	L0231-098	L0232-098

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

FGL-00	FGL-0
043532	043531
FGL-1	FGL-2
043534	043536

**FGL-1 Aerosol**  
126088

\*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 FGL Series contain no components derived from TSE/BSE relevant animal species; therefore, they are compliant with the requirements of the TSE Note for Guidance EMA/410/01 Rev. 3 July, 2011

#### STORAGE RECOMMENDATIONS

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



Nonfood Compounds  
H1 Registered  
ISO 21469 Certified



PAREVE



HALAL

PROPERTY	TEST METHOD	TYPICAL RESULTS			
	ASTM	FGL-00	FGL-0	FGL-1	FGL-2
Soap Base		Aluminum Complex	Aluminum Complex	Aluminum Complex	Aluminum Complex
<b>Penetration Worked @ 60 Strokes</b>	D-217	420	380	310	285
@ 10,000 Strokes	D-217	411	398	320	288
NLGI No.		00	0	1	2
Dropping Point	D-566	410°F/ 210°C	435°F/ 224°C	460°F/ 238°C	515°F/ 268°C
<b>Viscosity:</b> SUS @ 100°F	D-2161	550	550	550	850
cSt @ 40°C	D-445	105	105	105	160
SUS @ 210°F	D-2161	66	66	66	66
cSt @ 100°C	D-445	11.5	11.5	11.5	11.5
Rust Prevention Procedure (B)	D-1743	Pass	Pass	Pass	Pass
Oxidation Stability	D-942	2.0 psi	2.0 psi	2.0 psi	2.0 psi
4-Ball Weld	D-2596	***	***	620 kg	620 kg
4-Ball Wear	D-2266	0.56 mm	0.56 mm	0.56 mm	0.56 mm
Water Washout	D-1264	***	<10%	<6%	<2%
<b>Lincoln Ventmeter Test @ 82°F</b>		0 psig	0 psig	150 psig	300 psig
@ 30°F		0 psig	0 psig	350 psig	550 psig
@ 0°F		100 psig	150 psig	575 psig	925 psig



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