



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

Sales, Service & Distribution Center
Newark, NJ 07105
Phone: 973-589-9150 Fax: 973-589-4432

Manufacturing, Sales, Service & Distribution Center
Toledo, OH 43605
Phone: 419-691-2491 Fax: 419-693-3806

Sales and Tech Service Support
Phone: 1-800-733-4755

PRODUCT DATA

LUBRIPLATE "SFL" SERIES SYNTHETIC FOOD GRADE LUBRICATING GREASES

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

*NSF International H-1 Registered
NSF ISO21469 Certification

DESCRIPTION

The LUBRIPLATE SFL Series was developed to meet the ever-increasing demands placed on food-processing equipment today. The synthetic base fluid and the aluminum complex soap thickener allows for a wide operating temperature range for all four NLGI consistencies. ***Now with LUBRI-ARMOUR, LUBRIPLATE's anti-microbial additive developed to prevent the decomposition of lubricants caused by microorganisms. LUBRIPLATE SFL greases treated with LUBRI-ARMOUR remain fresh and last longer in harsh food processing plant environments.**

APPLICATIONS & ADVANTAGES

LUBRIPLATE SFL-1 has an approximate operating temperature range of -60°F to 300°F making it ideal for freezer and other cold temperature applications where conventional food-grade greases cannot be used. In addition to its exceptional low temperature pumpability, its high shear stability, excellent water resistance and outstanding load-carrying properties make LUBRIPLATE SFL-1 the only choice for extreme low temperature applications requiring a product that meets former USDA 1998 Guidelines and is NSF International H-1 Registered.

LUBRIPLATE SFL-0, SFL-00 and SFL-000 are similar to SFL-1 with the exception that they have softer consistencies, which are NLGI 0, NLGI 00 and NLGI 000 respectively. LUBRIPLATE SFL-0, SFL-00 and SFL-000 also have an approximate operating temperature range of -60°F to 300°F.

LUBRIPLATE SFL-2 and SFL-1/220 are synthetic, multi-purpose, extreme pressure food-grade greases, that can be recommended for most applications found throughout the food industry. Due to the full synthetic base fluids and the latest additive technologies, these NSF H-1 food grade greases provide equivalent or superior performance as compared to most non-food grade greases. These greases have an approximate operating temperature range of 0°F to 350°F.

Typical Test Data – See Back

PACKAGING AVAILABLE

	<u>SFL-2</u>	<u>SFL-1</u>	<u>SFL- 1/220</u>
35 lb. Pail	L0198-035	L0197-035	L0200-035
120 lb. Drum	L0198-039	L0197-039	L0200-039*
420 lb. Drum	L0198-040	L0197-040	L0200-040*
Case, 40/13.5 oz. Cartridges	L0198-098	L0197-098	L0200-098

PACKAGING AVAILABLE

	<u>SFL-0</u>	<u>SFL-00</u>
Carton, 12/15 oz. Plastic Tubs	L0196-004	***
35 lb. Pail	L0196-035	L0195-035
120 lb. Drum	L0196-039	L0195-039

*L0200-039 is 115 lb. L0200-040 is 410 lb.

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

<u>(SFL-2)</u>	<u>(SFL-1)</u>	<u>(SFL-0)</u>	<u>(SFL-00)</u>	<u>(SFL-1/220)</u>
<u>113093</u>	<u>043677</u>	<u>119618</u>	<u>113092</u>	<u>164877</u>

***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 "SFL" 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

- ⇒ 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.



Nonfood Compounds
H1 Registered
ISO 21469 Certified

PROPERTY	TEST METHOD	TYPICAL RESULTS*				
		ASTM	SFL-2	SFL-1/220	SFL-1	SFL-0
Thickener		Aluminum Complex	Aluminum Complex	Aluminum Complex	Aluminum Complex	Aluminum Complex
NLGI No.		2	1	1	0	00
Penetration Range	D-217	265 - 295	310-340	310 - 340	355 - 385	400 - 430
Dropping Point °F/°C	D-566	500°F/ 260°C	450°F/ 232°C	450°F/ 232°C	425°F/ 218°C	400°F/ 204°C
Low Temp. Torque @ -40°F Starting Torque	D-1478	***	***	1,853 gm-cm	618 gm-cm	358 gm-cm
Running Torque - One Hour	D-1478	***	***	260 gm-cm	137 gm-cm	163 gm-cm
Water Washout	D-1264	2.5%	8.3%	6.3%	8.1%	12.5%
Four Ball Wear Test	D-2596	0.58 mm	0.51 mm	0.59 mm	0.55 mm	0.55 mm
Four Ball EP Test		620 kg	620 kg	***	***	***
Lincoln Ventmeter @ 75°F/24°C		N/A	N/A	200 psig	0 psig	0 psig
@ 30°F/-1°C		N/A	N/A	325 psig	0 psig	0 psig
@ 0°F/-18°C		N/A	N/A	500 psig	150 psig	150 psig
@ -30°F/-34°C		N/A	N/A	1050 psig	800 psig	650 psig
Viscosity: SUS @ 100°F	D-2161	1070	1070	200	200	200
SUS @ 210°F	D-2161	105	105	49	49	49
cSt @ 40°C	D-445	219	219	39	39	39
cSt @ 100°C	D-445	21	21	7	7	7
Viscosity Index	D-2270	114	114	127	127	127
Flash Point °F/°C	D-92	400/204	400/204	400/204	400/204	400/204
Pour Point °F/°C	D-97	-25/-31	-25/-31	-60/-51	-60/-51	-60/-51



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