



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

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

LUBRIPLATE SFL-2 is a synthetic multi-purpose food-grade grease, which can be used throughout most modern food processing plants for most all grease lubrication requirements. This product has an approximate operating temperature range of +10°F to 350°F.

Typical Test Data – See Back

<u>PACKAGING AVAILABLE</u>	<u>SFL-2</u>	<u>SFL-1</u>
35 lb. Pail	L0198-035	L0197-035
120 lb. Drum	L0198-039	L0197-039
420 lb. Drum	L0198-040	L0197-040
Case, 40/13.5 oz. Cartridges	L0198-98	L0197-98
<u>PACKAGING AVAILABLE</u>	<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

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

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



PROPERTY	TEST METHOD	TYPICAL RESULTS*			
		ASTM	SFL-2	SFL-1	SFL-0
Thickener		Aluminum Complex	Aluminum Complex	Aluminum Complex	Aluminum Complex
NLGI No.		2	1	0	00
Penetration Range	D-217	265 - 295	310 - 340	355 - 385	400 - 430
Dropping Point °F/°C	D-566	500°F/ 260°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%	6.3%	8.1%	12.5%
Four Ball Wear Test	D-2266	0.60 mm	0.59 mm	0.55 mm	0.55 mm
Lincoln Ventmeter @ 75°F/24°C		N/A	200 psig	0 psig	0 psig
@ 30°F/-1°C		N/A	325 psig	0 psig	0 psig
@ 0°F/-18°C		N/A	500 psig	150 psig	150 psig
@ -30°F/-34°C		N/A	1050 psig	800 psig	650 psig
Viscosity: SUS @ 100°F	D-2161	1070	200	200	200
SUS @ 210°F	D-2161	105	49	49	49
cSt @ 40°C	D-445	219	39	39	39
cSt @ 100°C	D-445	21	7	7	7
Viscosity Index	D-2270	114	127	127	127
Flash Point °F/°C	D-92	400/204	400/204	400/204	400/204
Pour Point °F/°C	D-97	-25/-31	-60/-51	-60/-51	-60/-51

