



Guide To Lubriplate® NSF H-1 Registered Food Machinery Lubricants

**Synthetic, Multi-Purpose,
Food Machinery Grade Fluid Lubricants**

**Synthetic, High Temperature,
Oven Chain Lubricants**

**Synthetic, Multi-Purpose,
Food Machinery Grade Greases**

**USP Mineral Oil-Based,
Food Machinery Grade Oils**

**USP Mineral Oil-Based,
Food Machinery Grade Greases**

Food Machinery Grade Spray Lubricants

Refrigeration Compressor Fluid

Cleaning and Flushing Fluid / Oil

Perma Automatic Lubricators



■ Contents

Complimentary Value Added Services	2
Features and Benefits	3
FDA Codes and NSF Registration Information	3
Synthetic, Food Machinery Grade Fluids	4
Synthetic, High-Temp Oven Chain Lubricants	5
Synthetic Food Machinery Grade Greases	5
USP Mineral Oil-Based, Food Grade Oils	6
USP Mineral Oil-Based, Food Grade Greases	7
Food Machinery Grade Spray Lubricants	5
Flushing and Cleansing Oil	8
Application & Interchange Recommendations	9
Packaging Information	10
Perma Automatic Lubricators	11
Regional Managers / Specialists	12



■ Complimentary Value Added Services Offered



Toll Free Technical Support Hotline and E-mail

Call our technical service center toll free at 800-347-5343 or 800-733-4755 for answers to your lubrication questions by phone, or e-mail your questions to LubeXpert@lubriplate.com or contact your nearest Lubriplate district manager (see back cover for listing) or your local distributor representative for complete technical support.



Complete Plant Surveys and Lubricant Inventory Consolidation

Complete plant surveys by our professional staff of lubrication engineers are also available to determine your exact lubricant requirements and identify opportunities for lubricant inventory consolidation.



Customized, Color Coded, Lubricant Specification, Machinery Tags

Customized with your company logo, these color coded machinery tags help prevent lubricant misapplication and ensure that the proper lubricant is used when servicing a particular piece of equipment. Based on a complete plant survey, tags can be provided for each piece of equipment in your plant.



Lubrication Maintenance Software

Lubriplate offers a PC based computer software program that puts your entire lubrication and maintenance schedules at your fingertips. This service is based on a complete survey of your entire plant. Contact Dan Moroses (Newark office) for details at 973-589-9150.



No-Charge Oil / Fluid and Grease Analysis

Our Oil/Fluid and Grease Analysis Program that is offered at no-charge on all Lubriplate products. Tests that are performed include: Viscosity, Acidity, Contamination (% sediment and % moisture,) Spectrochemical (PPM of wear metals and additives) ISO Cleanliness (optional). An interpretation of the results is included along with suggested actions to take.



In Plant User Lubrication Training and Distributor Training

We offer training programs tailored to fit your needs. These educational training sessions focus on all facets of machinery lubrication and are not a sales presentation. Seminars are graphically presented with overheads, and other support material. Available on-site at your facility or in a local conference room. Contact us at 800-733-4755 for more information.

■ Features and Benefits of Lubriplate® Food Grade Lubricants

To: Our Distributors and Consumers...

Lubriplate's complete line of high-performance, NSF H-1 Registered, Food Machinery Grade Lubricants is designed to provide total food processing and bottling plant lubrication capability. Manufactured in compliance with strict ISO 21469 and ISO 9001 Registered quality assurance standards, these lubricants are formulated from the highest quality base stocks combined with state-of-the-art anti-wear additives. They deliver a number of significant, cost effective advantages as outlined on the chart below. All Lubriplate H-1 Lubricants are manufactured with ingredients that comply with FDA regulation 21 CFR 178.3570 for lubricants with incidental food contact. They meet USDA H-1 safety standards and are authorized for use in federally inspected meat and poultry plants. Clean, safe and non-toxic, their use can eliminate lubrication as a critical control point in HACCP programs. We appreciate your consideration and realize that we must constantly work to earn and maintain your trust and your business.

Sincerely,



Richard T. McCluskey / President and Chief Executive Officer



FEATURES	BENEFITS
Advanced High-Performance Formulations	Improved machinery life; decreased wear; reduced power consumption; extended lube intervals.
NSF H-1 Registered Products	Assures compliance with USDA / FDA guidelines and HACCP programs.
Multifunctional use	Reduces, consolidates and simplifies lubricant inventories and reduces lubricant misapplication.
Toll Free Technical Support 800-347-5343	Quick response to your lubrication questions.
Complimentary Plant Surveys	Identify opportunities for lubricant inventory consolidation and improvements.
No-charge Oil/Fluid and Grease Analysis	Helps determine lubricant and/or machinery condition and corrective measures needed.

F.D.A. Codes (CFR) which affect lubricants for machinery with incidental food contact.

21.CFR 178-3570	Ingredients used to manufacture H-1 lubricants must comply with this code. / All Lubriplate H-1 products comply with this code.
21.CFR 178-3620	Technical White Mineral Oil as a component of non-food articles intended for use in contact with food. / The FMO Series complies.
21.CFR 172-878	USP White Mineral Oil for direct contact with food. / Lubriplate FMO Series complies with this code.
All of the mineral oil based products in the LUBRIPLATE H-1 range are formulated with USP White Mineral Oil which is both the purest and highest quality base oil any manufacturer can use to formulate H-1 lubricants.	
21.CFR 172-882	Synthetic isoparaffinic hydrocarbons, i.e., PAO base stocks / Lubriplate SFGO Ultra Series, SFL Series and the SYNXTREME FG Series.
21.CFR 182 with 9 subheadings	Substances Generally Recognized As Safe, e.g., zinc oxide and tocopherols (Vitamin E.)

NSF Registration Numbers and Category Codes for Lubriplate Food Machinery Lubricants.

LUBRIPLATE PRODUCT	NSF REG. NUMBER	CLASS CODE	LUBRIPLATE PRODUCT	NSF REG. NUMBER	CLASS CODE	LUBRIPLATE PRODUCT	NSF REG. NUMBER	CLASS CODE
CLEARPLEX -1	140575	H1	PAN DIVIDER OIL	139787	H1	SFGO-460	132668	H1
CLEARPLEX -2	129940	H1	PGO-FGL 150	141192	H1	SFGO-680	132669	H1
FG COOKER OIL	122669	H1	PGO-FGL 220	141193	H1	SFGO-1000	132670	H1
FGL-00	043532	H1	PGO-FGL 320	141194	H1	SFGO-1500	132671	H1
FGL-0	043531	H1	PGO-FGL 460	141195	H1	SFL-000	136256	H1
FGL-1	043534	H1	PGO-FGL 680	141196	H1	SFL-000 SPECIAL	140601	H1
FGL-2	043536	H1	PM-500	126122	H1	SFL-00	113092	H1
FGL-CC	043530	H1	PURE FLUSH	126121	H1	SFL-0	119618	H1
FMO-45	122688	3H,H1	PURE TAC	043649	H1	SFL-1	043677	H1
FMO-85	122674	3H,H1	PURE TAC LIGHT	141506	H1	SFL-2	113093	H1
FMO-200	122689	3H,H1	RCO-68 FG	138533	H1	SILICONE FLUID FG-350	138305	H1
FMO-300	122783	H1	SFGO ULTRA-7 (AEROSOL)	136601	H1	SPECIAL COOKER CHAIN GREASE	120918	H1
FMO-350	122666	3H,H1	SFGO ULTRA 7	125679	H1	SSO-FG-100	138390	H1
FMO-500	122672	3H,H1	SFGO ULTRA 15	138420	H1	SSO-FG-150	138391	H1
FMO-85-AW	122670	H1	SFGO ULTRA 22	138421	H1	STO-FG	126120	H1
FMO-150-AW	132661	H1,HT1	SFGO ULTRA 32	125680	H1,HT1	SUPER FGL-1 (AEROSOL)	126088	H1
FMO-200-AW	122668	H1	SFGO ULTRA 46	125678	H1	SUPER FML-0	125742	H1
FMO-350-AW	122665	H1	SFGO ULTRA 68	125681	H1	SUPER FML-1	125740	H1
FMO 350 AW SPRAY	126089	H1	SFGO ULTRA 100	125682	H1	SUPER FML-2	125741	H1
FMO-500-AW	122664	H1	SFGO ULTRA 150	125683	H1	SUPER FML-2 (AEROSOL)	126087	H1
FMO-500-AW-OR	124778	H1	SFGO ULTRA 220	125539	H1	SYN BOC FG-220	141054	H1
FMO-500-AW-OR (D)	135986	H1	SFGO ULTRA 320	125540	H1	SYN H-1 220	138317	H1
FMO-900-AW	122675	H1	SFGO ULTRA 460	125541	H1	SYN H-1 WORM GEAR LUBRICANT	139198	H1
FMO-1100-AW	122687	H1	SFGO ULTRA 680	125542	H1	SYN ST HP H-1 SPECIAL SILICONE	PENDING	H1
FMO-1700-AW	122667	H1	SFGO ULTRA 1000	125543	H1	SYNXTREME FG-0	137239	H1
FMO-2400-AW	122671	H1	SFGO-7	122534	H1	SYNXTREME FG-1	137238	H1
FMO-3800-AW	122673	H1	SFGO-100	043673	H1	SYNXTREME FG-2	136212	H1
FP-150	126123	H1	SFGO-150	132662	H1	SYNXTREME FG-1/220	142237	H1
FP-150-L	126124	H1	SFGO-220	132666	H1	SYNXTREME FG-2/220	142239	H1
GEN. PUR. FG SILICONE (AEROSOL)	126086	H1	SFGO-320	132667	H1			

■ Synthetic Food Machinery Grade Fluid Lubricants

SFGO Ultra Series: 100% Synthetic, Polyalphaolefin (PAO)-Based, High-Performance, Super Multi-Purpose, Fluid Lubricants.

Formulated with 100% PAO synthetic base fluids for a variety of demanding applications. They are outstanding lubricants for use under severe conditions subject to extremely high or low temperatures. They exhibit outstanding oxidation resistance and thermal stability capabilities. Recommended for air compressors, hydraulic systems, bearings, gearboxes, pumps and chains. Meets FDA 21 CFR 178.3570 and FDA 21 CFR 172.882 for applications where incidental contact with the edible product may occur. SFGO Ultra 220 and 460 pass 14 stages of the FZG Test.

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	ISO VIS. GRADE	AGMA NO.	SAE GEAR OIL NO.	SAE NO.	VIS. cSt @40°C / 100°C	VIS. SUS @100°F / 210°F	VIS. INDEX	FLASH POINT	FIRE POINT	POUR POINT
SFGO Ultra-7	L0912-	7	-	-	5W	7 / 2	51 / 34	137	320°F / 160°C	350°F / 176°C	-75°F / -60°C
SFGO Ultra-15	L0930-	15	-	-	5W	16 / 4	89 / 40	129	380°F / 193°C	410°F / 210°C	-70°F / -57°C
SFGO Ultra-22	L0931-	22	-	-	5W	20 / 4	106 / 41	128	405°F / 207°C	430°F / 221°C	-65°F / -54°C
SFGO Ultra-32	L0915-	32	-	75	10	31 / 6	160 / 46	130	465°F / 241°C	515°F / 268°C	-70°F / -57°C
SFGO Ultra-46	L0916-	46	1	80	20	45 / 8	220 / 52	134	480°F / 249°C	520°F / 271°C	-65°F / -54°C
SFGO Ultra-68	L0917-	68	2	80	30	67 / 10	325 / 59	125	495°F / 257°C	545°F / 285°C	-60°F / -51°C
SFGO Ultra-100	L0983-	100	3	85	40	105 / 16	556 / 77	158	515°F / 268°C	560°F / 293°C	-65°F / -54°C
SFGO Ultra-150	L0984-	150	4	90	50	151 / 20	762 / 97	156	510°F / 265°C	555°F / 291°C	-60°F / -51°C
SFGO Ultra-220	L0985-	220	5	90	50	216 / 26	1088 / 128	155	510°F / 265°C	555°F / 291°C	-50°F / -46°C
SFGO Ultra-320	L0986-	320	6	140	60	312 / 34	1557 / 161	155	505°F / 263°C	550°F / 288°C	-50°F / -46°C
SFGO Ultra-460	L0987-	460	7	140	-	446 / 45	2143 / 211	156	505°F / 263°C	550°F / 288°C	-45°F / -43°C
SFGO Ultra-680	L0988-	680	8	250	-	623 / 57	3289 / 275	157	500°F / 260°C	545°F / 285°C	-45°F / -43°C
SFGO Ultra-1000	L0989-	1000	-	-	-	950 / 77	4900 / 372	157	500°F / 260°C	545°F / 285°C	-35°F / -37°C

*SFGO Ultra Fluids are available in Jugs, Pails, 1/4 Drums & Drums. See page 10 for more information and package part number suffix.

SFGO Ultra Series Fluids are Excellent Alternatives to OEM H-1 Class Air Compressor Fluids.

OEM / Lubriplate H-1 Class Air Compressor Fluid Crossover Recommendations

Ingersoll-Rand SSR H-1 F	Lubriplate SFGO Ultra 32	Leroi SSL-46	Lubriplate SFGO Ultra 46
Ingersoll-Rand FG Coolant	Lubriplate SFGO Ultra 46	Quincy Quin Syn FG	Lubriplate SFGO Ultra 46
Compair CSX 20	Lubriplate SFGO Ultra 46	Gardner Denver AEON 6000 FG	Lubriplate SFGO Ultra 46
Kaeser Sigma 8000 FG	Lubriplate SFGO Ultra 46	Atlas-Copco GA-FG	Lubriplate SFGO Ultra 32

SFGO Series: Polyalphaolefin-Polymer (PAO)-Based, Multi-Purpose Fluids.

SFGO fluids, ISO grades 100 - 1500 are still available for less stressful applications which require only a PAO/Polymer combination synthetic fluid.

SSO-FG 100 and SSO-FG 150: 100% Synthetic Lubricants for Angelus Seamers and Canning Equipment.

These high quality, fully synthetic lubricants are designed for use in Angelus seaming/canning equipment and related applications. Formulated with premium additives, these high performance lubricants provide excellent anti-wear, anti-rust and anti-corrosion protection under extreme conditions encountered in the food processing industry such as water, steam and caustic solution wash downs.

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	ISO VIS. GRADE	AGMA NO.	SAE GEAR OIL NO.	SAE NO.	VIS. cSt @40°C / 100°C	VIS. SUS @100°F / 210°F	VIS. INDEX	FLASH POINT	FIRE POINT	POUR POINT
SSO-FG 100	L0956-	100	3	85	40	105 / 16	556 / 77	156	515°F / 268°C	560°F / 293°C	-65°F / -51°C
SSO-FG 150	L0957-	150	4	90	50	151 / 20	762 / 97	156	515°F / 268°C	560°F / 293°C	-60°F / -51°C

*SSO-FG 100 and SSO-FG 150 are available in Drums. See page 10 for more information and package part number suffix.

PGO-FGL Series: Polyalkylene Glycol (PAG)-Based, Synthetic Gear Lubricants.

These extreme pressure lubricants are designed for use in helical, bevel helical, planetary and worm type gearboxes operating in the most demanding food manufacturing environments. Formulated with a high performance food grade additive package, these lubricants deliver outstanding protection against micropitting and wear as well as good corrosion protection and thermal stability. These products are approved by Flender.

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	ISO VIS. GRADE	AGMA NO.	SAE GEAR OIL NO.	SAE NO.	VIS. cSt @40°C / 100°C	VIS. INDEX	FLASH POINT	FIRE POINT	POUR POINT
PGO-FGL-150	L0810-	150	4	90	40	150 / 25	232	543°F / 284°C	-	-53°F / -47°C
PGO-FGL-220	L0811-	220	5	90	50	227 / 42	242	543°F / 284°C	-	-44°F / -42°C
PGO-FGL-320	L0812-	320	6	140	60	339 / 61	252	540°F / 282°C	-	-38°F / -39°C
PGO-FGL-460	L0813-	460	7	140	-	477 / 83	262	543°F / 284°C	-	-33°F / -36°C
PGO-FGL-680	L0815-	680	8	250	-	725 / 122	272	549°F / 287°C	-	-27°F / -33°C

*PGO FGL Series Fluids are available in Jugs, Pails and Drums. See page 10 for more information and package part number suffix.

■ Synthetic, High-Temperature Oven Chain Lubricants

SYN BOC FG-68 & SYN BOC FG-220:

Biodegradable, NSF H-1 Registered, Synthetic, High Temperature Oven Chain Lubricants.

These unique, high-performance, bio-based/synthetic, biodegradable, food grade lubricants are manufactured and fortified with boron nitride. The boron nitride provides a light clean lubricating powder after the bio-based oil cleanly dissipates. Designed for high temperature applications, they will lubricate at extremely high temperatures up to 1000°F. They deliver performance advantages far beyond that of black graphite, PTFE and molybdenum disulfide-based lubricants. They are designed for many types of oven chain applications. Low volatility for increased fire safety.

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	ISO VIS. GRADE	AGMA NO.	SAE GEAR OIL NO.	SAE NO.	VIS. cSt @40°C / 100°C	VIS. INDEX	FLASH POINT	FIRE POINT	POUR POINT
SYN BOC FG-68	L0955-	68	2	80	20	68 / 13	187	590°F / 332°C	-	-28°F / -33°C
SYN BOC FG-220	L0960-	220	5	90	50	219 / 36	214	588°F / 306°C	645°F / 337°C	-25°F / -32°C

*SYN BOC FG-68 and SYN BOC FG-220 are available in Pails and Drums with agitators. See page 10 for more information and the package part number suffix.

■ Synthetic Food Machinery Grade Greases NSF H-1 Registered

SYNXTREME FG-Series:

Synthetic, Calcium Sulfonate Complex, Food Machinery Grade Greases.

NSF H-1 registered, high performance, multi-purpose, synthetic, food machinery grade greases. Provides long lasting, anti-wear and extreme pressure protection. Highly resistant to water and caustic solution wash downs. Provides excellent high and low temperature performance. SynXtreme FG-1/220 and FG-2/220 are formulated with a heavier (ISO 220 Grade) base fluid and are recommended for slow to medium speed bearings and other equipment operating under high temperatures.



This series is also available in Pails, 1/4 Drums, Drums & Perma Lubricators.

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	NLGI DENSITY	OIL VIS. cSt / SUS @ 40°C / 100°F	WORKED PENETRATION	ASTM DROP POINT	APPROX COLD TEST	AW / EP	RUST & OXID. ADDITIVES	WATER RESISTANT
SYNXTREME FG-0	L0307-	0	100 / 500	355 / 385	700°F / 371°C	-40°F / -40°C	AW/EP	YES	YES
SYNXTREME FG-1	L0306-	1	100 / 500	310 / 340	700°F / 371°C	-40°F / -40°C	AW/EP	YES	YES
SYNXTREME FG-2	L0305-	2	100 / 500	265 / 295	700°F / 371°C	-40°F / -40°C	AW/EP	YES	YES
SYNXTREME FG-1/220	L0311-	1	220 /	310 / 340	604°F / 318°C	-	AW/EP	YES	YES
SYNXTREME FG-2/220	L0309-	2	220 /	265 / 295	604°F / 318°C	-	AW/EP	YES	YES

*SYNXTREME FG Series Greases are available in Cartidges, Pails, 1/4 Drums, Drums & Perma Lubricators. See pages 10 and 11 for more information and package part number suffix.

SFL Series: Multi-Purpose, Synthetic, Aluminum Complex, Food Machinery Grade Greases.

This series provides an exceptionally wide operating temperature range, high shear stability, excellent water resistance, and load carrying properties. For use in freezers and other cold temperature applications or in areas subject to both cold and elevated temperatures. Available in 4 densities.

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	NLGI DENSITY	OIL VIS. cSt / SUS @ 40°C / 100°F	WORKED PENETRATION	ASTM DROP POINT	APPROX COLD TEST	AW / EP	RUST & OXID. ADDITIVES	WATER RESISTANT
SFL-00	L0195-	00	39 / 200	400 / 430	400°F / 204°C	-60°F / -51°C	AW	YES	YES
SFL-0	L0196-	0	39 / 200	355 / 385	425°F / 218°C	-60°F / -51°C	AW	YES	YES
SFL-1	L0197-	1	39 / 200	310 / 340	450°F / 232°C	-60°F / -51°C	AW	YES	YES
SFL-2	L0198-	2	219 / 1070	265 / 295	500°F / 260°C	-25°F / -32°C	AW	YES	YES

*SFL Series Greases are available in Cartidges, Pails, 1/4 Drums, Drums & Perma Lubricators. See pages 10 and 11 for more information and package part number suffix.

SYN ST High Performance H-1 Special: Food Machinery Grade Silicone Lubricant.

Manufactured with PTFE, this new H-1, N.L.G.I. No. 3, silicone lubricant is compatible with most rubber and other non-silicone elastomers. Recommended for use on O-rings and seals on bottling, dairy, food processing and dispensing equipment, it is highly resistant to hot water, steam and alkaline solutions.

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	NLGI DENSITY	OIL VIS. cSt / SUS @ 40°C / 100°F	WORKED PENETRATION	ASTM DROP POINT	APPROX COLD TEST	AW / EP	RUST & OXID. ADDITIVES	WATER RESISTANT
SYN-ST High Perf H-1 Spec	L0365-	3	-	220 / 250	500°F / 260°C	-46°F / -50°C	-	-	YES

*SYN ST High Performance H-1 Special is available in Tubes, Cartidges and Pails. See pages 10 and for more information and package part number suffix.

■ USP Mineral Oil-Based Food Grade Oils

FMO-AW Series: Multi-Purpose, Food Grade USP White Mineral Oils.

These multi-purpose, anti-wear fortified, USP White mineral oil based lubricants are manufactured in nine ISO grades for a wide variety of applications. NOTE: FMO-350AW is also available in a red and orange color which helps in leak detection. The original FMO Series products without the anti-wear additive system are still available. FMO-1100AW and FMO-2400AW pass 12 stages of the FZG test.

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	ISO VIS. GRADE	AGMA NO.	SAE GEAR OIL NO.	SAE NO.	VIS. cSt @40°C / 100°C	VIS. SUS @100°F / 210°F	VIS. INDEX	FLASH POINT	FIRE POINT	POUR POINT
FMO-85 AW	L0880-	15-22	-	-	5W	19 / 4	103 / 40	112	335°F / 168°C	365°F / 185°C	-45°F / -43°C
FMO-150 AW	L0879-	32	-	-	10W	32 / 5	162 / 43	71	370°F / 188°C	415°F / 213°C	-30°F / -34°C
FMO-200 AW	L0881-	46	1	75	10	41 / 6	208 / 48	111	375°F / 191°C	405°F / 207°C	-25°F / -32°C
FMO-350 AW	L0882-	68	2	80	20	68 / 8	348 / 56	103	435°F / 224°C	490°F / 254°C	-10°F / -23°C
FMO-500 AW	L0883-	100	3	80	30	99 / 11	523 / 66	102	495°F / 257°C	545°F / 285°C	0°F / -18°C
FMO-900 AW	L0884-	150	4	90	40	160 / 15	856 / 83	99	450°F / 232°C	540°F / 282°C	0°F / -18°C
FMO-1100 AW	L0886-	220	5	90	50	210 / 19	1126 / 97	100	440°F / 227°C	510°F / 266°C	5°F / -15°C
FMO-1700 AW	L0887-	320	6	140	60	324 / 25	1730 / 120	95	430°F / 221°C	505°F / 263°C	5°F / -15°C
FMO-2400 AW	L0885-	460	7	140	70	456 / 30	2350 / 142	93	425°F / 218°C	505°F / 263°C	10°F / -12°C
FMO-3800 AW	L0888-	680	8	250	-	690 / 40	3864 / 198	96	420°F / 216°C	485°F / 252°C	15°F / -9°C

*FMO Series Oils are available in Bottles, Jugs, Pails, 1/4 Drums, Drums & Perma Lubricators. See pages 10 and 11 for more information and package part number suffix.

Pan Divider Oil:

Lubriplate Pan Divider Oil meets and exceeds FDA regulation 21 CFR 172.878 for direct contact with food and is recommended for pan divider oil applications.

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	ISO VIS. GRADE	AGMA NO.	SAE GEAR OIL NO.	SAE NO.	VIS. cSt @40°C / 100°C	VIS. SUS @100°F / 210°F	VIS. INDEX	FLASH POINT	FIRE POINT	POUR POINT
Pan Divider Oil	L0747-	15	-	-	5W	15.6 / -	85 / 38	-	375°F / 190°C	-	10°F / -12°C

*Pan Divider Oil is available in Pails & Drums. See page 10 for more information and package part number suffix.

Food Grade Cooker Oil: For Cookers and Sterilizers.

This zinc free, NSF H-1 Registered oil is designed for use in the Manzel Lubricators and Micro-valve systems found on most cookers and sterilizers used in canning operations and other applications involving high temperature and high humidity conditions.

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	ISO VIS. GRADE	AGMA NO.	SAE GEAR OIL NO.	SAE NO.	VIS. cSt @40°C / 100°C	VIS. SUS @100°F / 210°F	VIS. INDEX	FLASH POINT	FIRE POINT	POUR POINT
FG Cooker Oil	L0701-	150	4	90	40	155 / 16	795 / 82	104	475°F / 246°C	525°F / 274°C	5°F / -15°C

*FG Cooker Oil is available in Drums. See page 10 for more information and package part number suffix.

STO-FG Oil: For Bottle Filling Machines.

A non-corrosive, NSF H-1 Registered, food machinery grade oil for lubricating stirrups on bottle filling machines.

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	ISO VIS. GRADE	AGMA NO.	SAE GEAR OIL NO.	SAE NO.	VIS. cSt @40°C / 100°C	VIS. SUS @100°F / 210°F	VIS. INDEX	FLASH POINT	FIRE POINT	POUR POINT
STO-FG	L0863-	68	2	80	20	67 / 13	340 / 70	105	425°F / 218°C	485°F / 252°C	-15°F / -26°C

*STO-FG is available in Pails & Drums. See back cover for more information and package part number suffix.

PM 500 White Oil: Contains Emulsifying Agents.

This oil contains emulsifying agents that wet the lubricated surfaces and provide an oily film. Used very successfully on pear machines.

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	ISO VIS. GRADE	AGMA NO.	SAE GEAR OIL NO.	SAE NO.	VIS. cSt @40°C / 100°C	VIS. SUS @100°F / 210°F	VIS. INDEX	FLASH POINT	FIRE POINT	POUR POINT
PM-500	L0192-	100	3	80	30	101 / 11	560 / 64	86	420°F / 216°C	485°F / 252°C	-5°F / -21°C

*PM-500 is available in Pails, 1/4 Drums & Drums. See page 10 for more information and package part number suffix.

FP-150 and FP-150L: Clear, Tacky, Multi-Purpose Oils.

These clear, tacky, adhesive, NSF H-1 Registered oils resist heavy water washdown and steam. For helical gearboxes, chains, linkages, cams, and slides and wherever a dripless, adhesive fluid lubricant is desired.

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	ISO VIS. GRADE	AGMA NO.	SAE GEAR OIL NO.	SAE NO.	VIS. cSt @40°C / 100°C	VIS. SUS @100°F / 210°F	VIS. INDEX	FLASH POINT	FIRE POINT	POUR POINT
FP-150	L0735-	460	7	140	70	367 / 25	1950 / 127	93	395°F / 202°C	455°F / 235°C	0°F / -18°C
FP-150L	L0736-	100	3	80	30	103 / 12	510 / 67	108	410°F / 210°C	450°F / 232°C	-5°F / -21°C

*FP-150 and FP-150L are available in Jugs, Pails, 1/4 Drums & Drums. See page 10 for more information and package part number suffix.

■ USP Mineral Oil-Based Food Grade Greases

FGL Series:

High Performance, Multi-Purpose Food Grade Greases.

Designed to meet the demands of food and beverage industry plant engineers who want NSF H-1 Registered greases to totally replace H-2 greases. Fortified with anti-wear, anti-rust and anti-corrosion additives which combine to yield excellent shear stability, load carrying capability and resistance to water and caustic wash down. Available in four NLGI densities for a variety of applications. FGL-CC is for centralized/automatic lubrication systems on high speed can closing equipment.



Also available in Cans, Pails, 1/4 Drums, Drums & Perma Lubricators,

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	GREASE TYPE	NLGI DENSITY	OIL VIS. cSt/SUS @ 40°C / 100°F	WORKED PENETRATION	ASTM DROP POINT	APPROX COLD TEST	AW / EP	RUST & OXID. ADDITIVES	WATER RESISTANT
FGL-00	L0226-	ALUMINIUM COMPLEX	00	120 / 550	400 / 430	410°F / 210°C	-5°F / -21°C	AW	YES	YES
FGL-CC	L0229-	ALUMINIUM COMPLEX	0/00	120 / 550	370 / 410	450°F / 232°C	0°F / -18°C	AW	YES	YES
FGL-0	L0230-	ALUMINIUM COMPLEX	0	120 / 550	355 / 385	435°F / 224°C	0°F / -18°C	AW	YES	YES
FGL-1	L0231-	ALUMINIUM COMPLEX	1	120 / 550	310 / 340	460°F / 238°C	0°F / -18°C	AW	YES	YES
FGL-2	L0232-	ALUMINIUM COMPLEX	2	160 / 850	265 / 295	515°F / 268°C	10°F / -12°C	AW	YES	YES

*FGL Series greases are available in Cans, Cartridges, Pails, 1/4 Drums, Drums & Perma Lubricators. See pages 10 and 11 for more information and package part number suffix.

FML Series:

Multi-Purpose, Food Grade Greases.

These very popular, white, multi-purpose greases have been leaders in the food processing industry for years. Available in 3 NLGI grades for a wide variety of applications. NSF H-1 Registered.



Also available in Cans, Pails, 1/4 Drums & Drums,

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	GREASE TYPE	NLGI DENSITY	OIL VIS. cSt/SUS @ 40°C / 100°F	WORKED PENETRATION	ASTM DROP POINT	APPROX COLD TEST	AW / EP	RUST & OXID. ADDITIVES	WATER RESISTANT
FML-0	L0143-	ANHYDROUS CALCIUM	0	144 / 750	355 / 385	280°F / 138°C	0°F / -18°C	AW	YES	YES
FML-1	L0144-	ANHYDROUS CALCIUM	1	144 / 750	310 / 340	285°F / 141°C	0°F / -18°C	AW	YES	YES
FML-2	L0145-	ANHYDROUS CALCIUM	2	144 / 750	265 / 290	285°F / 141°C	0°F / -18°C	AW	YES	YES

*FML Series greases are available in Cans, Cartridges, Pails, 1/4 Drums & Drums. See page 10 for more information and package part number suffix.

PURE TAC and PURE TAC LIGHT:

Tacky, Adhesive Food Grade Greases.

These tacky, adhesive, highly water resistant, NSF H-1 Registered greases are designed for applications subjected to chemically treated water, heat and steam. For all types of medium to slow speed bearings, open gears and hydrostatic cooker chains.



Also available in Pails, 1/4 Drums, Drums & Perma Lubricators,

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	GREASE TYPE	NLGI DENSITY	OIL VIS. cSt/SUS @ 40°C / 100°F	WORKED PENETRATION	ASTM DROP POINT	APPROX COLD TEST	AW / EP	RUST & OXID. ADDITIVES	WATER RESISTANT
PURE TAC	L0236-	ALUMINIUM COMPLEX	2	1187 / 6500	265 / 295	520°F / 271°C	25°F / -4°C	AW	YES	YES
PURE TAC LT.	L0235-	ALUMINIUM COMPLEX	1.5	600 / 3170	290 / 320	446°F / 230°C	-10°F / -23°C	AW	YES	YES

*PURE TAC & PURE TAC LIGHT are available in Cartridges, Pails, 1/4 Drums & Drums. PURE TAC is available in Perma Lubricators. See pages 10 and 11 package part number suffix.

CLEARPLEX Series:

Clear, Multi-Purpose Food Grade Greases.

These Aluminum Complex thickened, NSF H-1 Registered greases are engineered for use in plain and anti-friction bearings in the food-processing and beverage processing industry. CLEARPLEX-1 is excellent for the lubrication systems of high speed can seaming and closing equipment. Contains non-zinc oxide anti-wear additive.



Also available in Pails, 1/4 Drums & Drums,

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	GREASE TYPE	NLGI DENSITY	OIL VIS. cSt/SUS @ 40°C / 100°F	WORKED PENETRATION	ASTM DROP POINT	APPROX COLD TEST	AW / EP	RUST & OXID. ADDITIVES	WATER RESISTANT
CLEARPLEX-1	L0350-	ALUMINIUM COMPLEX	1	100 / 500	310 / 340	464°F / 240°C	10°F / -12°C	AW	YES	YES
CLEARPLEX-2	L0351-	ALUMINIUM COMPLEX	2	150 / 850	265 / 295	450°F / 232°C	10°F / -12°C	AW	YES	YES

*CLEARPLEX Series Greases are available in Cartridges, Pails, 1/4 Drums & Drums. See page 10 for more information and package part number suffix.

■ Food Machinery Grade Spray Lubricants

FGL-1 Spray: Class H-1 lubricant in handy, easy to use 11 OZ. / 312 g. spray can. Quick and clean applications. Fortified with anti-wear, anti-rust, and anti-corrosion additives. Part No. L0231-063

FMO-350-AW Spray: A multi-purpose, Anti-wear fortified, food machinery oil, in easy to apply spray can. For use where a Class H-1 oil is required. Part No. L0882-063.

Super FML-2 Spray: A Class H-1 white lubricant in handy, easy to use spray can. For use in food processing operations where a Class H-1 lubricant is required. Part No. L0145-063.

SFGO Ultra-7 Spray: A multi-purpose, synthetic, chain and penetrating fluid spray lubricant, for use on bottling, dairy and food processing machinery. For chains, slides, tools and general lubrication. Part No. L0912-063.

Food Grade Silicone Lubricant: A multi-purpose, silicone lubricant for use on bottling, dairy and food processing machinery. For slides, chains, O-rings, rubber seals and general lubrication. Part No. L0723-063.

FMO-85-AW Spray: A multi-purpose Class H-1 oil. Packed in 14 OZ. / 414 ml non-aerosol pump spray bottle. Part No. L0880-067.



■ Refrigeration Compressor Fluid

RCO-68: Polyalphaolefin (PAO)-Based, 100% Synthetic, Food Grade, Refrigeration Compressor Fluid.

Formulated for use in refrigeration compressor systems where a NSF H-1 Registered, food machinery grade lubricant is required.

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	ISO VIS. GRADE	AGMA NO.	SAE GEAR OIL NO.	SAE NO.	VIS. cSt @40°C / 100°C	VIS. SUS @100°F / 210°F	VIS. INDEX	FLASH POINT	FIRE POINT	POUR POINT
RCO-68	L0818-	68	2	80	30	67 / 10	325 / 59	125	495°F / 257°C	545°F / 285°C	-60°F / -51°C

*RCO-68 Fluid is available in Pails & Drums. See page 10 for more information and package part number suffix.

■ Flushing and Cleansing Fluid / Oil

SynFlush FG: 100% Synthetic, NSF H-1 Registered Food Machinery Grade, Cleaning and Flushing Fluid.

A unique, modern technology product designed to clean various pieces of equipment where a switch from an H-2 to an NSF H-1 Registered product is required. Costly downtime can be avoided as it cleans internally without unit tear down. It is compatible with Synthetic Polyalphaolefin, Polyolesters, Di-esters, Polyalkylene Glycols (PAGs) as well as mineral based fluids; therefore it may be used when switching from many types of fluids without leaving behind incompatible residue. NSF H-1 Registered.

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	ISO VIS. GRADE	AGMA NO.	SAE GEAR OIL NO.	SAE NO.	VIS. cSt @40°C / 100°C	VIS. SUS @100°F / 210°F	VIS. INDEX	FLASH POINT	FIRE POINT	POUR POINT
SynFlush FG	L0961-	-	-	-	-	5.3 / 2	-	221	495°F / 257°C	365°F / 185°C	-5°F / -21°C

*SynFlush FG is available in Quart Bottles, Pails & Drums. See page 10 for more information and package part number suffix.

Pure Flush: Flushing and Cleansing Oil.

This lubricating, flushing and cleansing oil is to be used along with the existing lubricant to clean equipment without dismantling. It can be used to clean and flush bearings, gear cases, hydraulic systems, centralized lubricating systems, air lines, chains and air tools. It is fully compatible with petroleum based lubricants and most petroleum compatible synthetics.

LUBRIPLATE PRODUCT	*PRODUCT PART NO.	ISO VIS. GRADE	AGMA NO.	SAE GEAR OIL NO.	SAE NO.	VIS. cSt @40°C / 100°C	VIS. SUS @100°F / 210°F	VIS. INDEX	FLASH POINT	FIRE POINT	POUR POINT
Pure Flush	L0816-	-	-	-	-	7 / 2	50 / 32	-	210°F / 99°C	220°F / 104°C	-35°F / -37°C

*Pure Flush is available in Bottles, Jugs, Pails, 1/4 Drums & Drums. See page 10 for more information and package part number suffix.

Application & Interchange Recommendations

APPLICATIONS	LUBRIPLATE PRODUCT	APPLICATIONS	LUBRIPLATE PRODUCT
<ul style="list-style-type: none"> • GENERAL GREASING - NORMAL TEMPS • HIGH TEMPERATURES • LOW TEMPERATURES • GENERAL OILING • CENTRALIZED GREASING SYSTEMS • SLIDES, CAMS, EXPOSED GEARS • CHAINS, CONVEYORS, WIRE ROPE • MEDIUM TEMPERATURES • HIGH TEMPERATURES • ENCLOSED GEAR CASES • HELICAL GEARS • WORM GEARS • HOT BRAKE BEARINGS • AIR COMPRESSORS • RECIPROCATING • ROTARY SCREW • AIR LINE SYSTEMS • HYDRAULIC SYSTEMS - NORMAL TEMPS • LOW TEMPERATURES • HIGH SPEED BEARINGS • GREASE • OIL • CHEMICAL & CONDENSATE PUMPS • GREASE • OIL • VACUUM PUMPS 	<p>SYNXTREME FG-2 or FGL-2 SYNXTREME FG-2 or FGL-2 SYNXTREME FG-1 or SFL-1</p> <p>SFGO ULTRA-68 or FMO-350AW</p> <p>FGL-0 or FGL-00 PURE TAC</p> <p>SFGO ULTRA-7 or FP-150L PGO-FGL-220</p> <p>SFGO ULTRA-220 or FMO-1100AW SFGO ULTRA-460 or FMO-2400AW</p> <p>SYNXTREME FG-2 or PURE TAC</p> <p>SFGO ULTRA-68 or SFGO ULTRA 100 SFGO ULTRA-32 or SFGO ULTRA 46</p> <p>FMO-85AW or FMO-150AW</p> <p>SFGO ULTRA-68 or FMO-350AW SFGO ULTRA-7 or FMO-85AW</p> <p>SFL-1 or FGL-1 SFGO ULTRA-32 or FMO-150AW</p> <p>SYNXTREME FG-2 or FGL-2 SFGO ULTRA-68 or FMO-350AW</p> <p>SFGO ULTRA-68 or SFGO ULTRA 100</p>	<ul style="list-style-type: none"> • DRAFT & VENTILATING FANS • GREASE • OIL • STIRRUPS - BOTTLE FILLERS • PEACH PITTERS - CHAIN DRIVES • SEAMING ROLLS, SPINDLES, CHUCKS • COOKERS - CARRIER BEARINGS • COOKER VALVE LUBRICATION (MANZEL LUBRICATORS) • ANGELUS SEAMERS (MANZEL LUBRICATORS) • SIGHT FEED OILERS • ELECTRIC MOTOR BEARINGS • STEAM VALVES & PEELERS • SCRUBBERS • GREASE FITTINGS • CHAIN DRIVES • FORKLIFTS • WHEEL BEARINGS • HYDRAULIC OIL • CHAIN LIFTS • RUST PREVENTATIVE, LAYING UP • CLEANSING & FLUSHING FLUID / OIL • PAN DIVIDER OIL • LUBRIPLATE WHITE OILS 	<p>SYNXTREME FG-2 or FGL-2 SFGO ULTRA-68 or FMO-350AW</p> <p>STO-FG FP-150L or FP-150</p> <p>SYNXTREME FG-1 or FGL-1 SYNXTREME FG-2 or PURE TAC</p> <p>FOOD GRADE COOKER OIL SSO-FG 100 or SSO-FG 150 FMO-500AW or FMO-900AW</p> <p>PM-500 or FP-150L</p> <p>SYNXTREME FG-1 or FGL-1</p> <p>Consult LUBRIPLATE Tech Service 1-800-347-5343</p> <p>SYNXTREME FG-2 or FGL-2 FP-150L or FP-150</p> <p>SYNXTREME FG-2 or PURE TAC SFGO ULTRA-68 or FMO-350AW FP-150L</p> <p>SFGO ULTRA-7 or FMO-350AW SYNFLUSH FG or PURE FLUSH PAN DIVIDER OIL FMO SERIES</p>

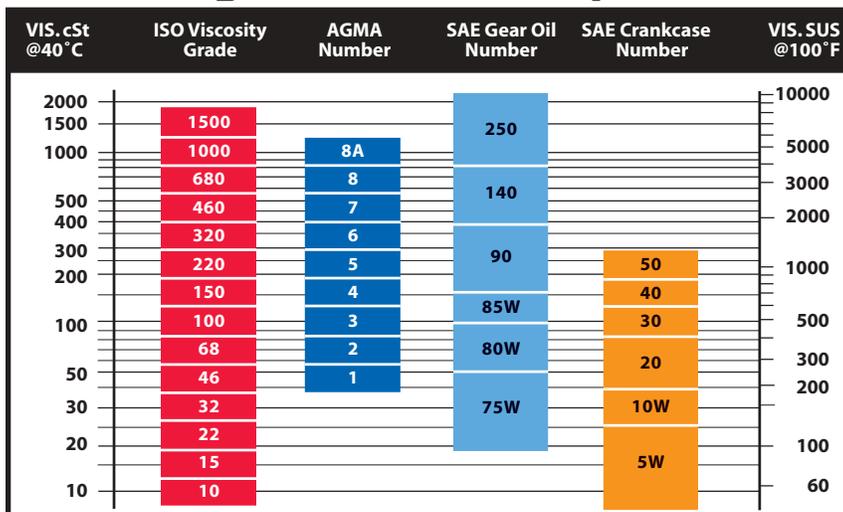
Synthetic Based Product

USP Mineral Oil Based Product

Lubriplate H-1 Class Synthetic Fluid Interchange Recommendations

MOBIL SHC	ISO GRADE	LUBRIPLATE H-1	MOBILGEAR SHC	ISO GRADE	LUBRIPLATE H-1
SHC 524	32	SFGO ULTRA 32	MOBILGEAR SHC 150	150	SFGO ULTRA 150
SHC 525	46	SFGO ULTRA 46	MOBILGEAR SHC 220	220	SFGO ULTRA 220
SHC 526	68	SFGO ULTRA 68	MOBILGEAR SHC 320	320	SFGO ULTRA 320
SHC 624	32	SFGO ULTRA 32	MOBILGEAR SHC 460	460	SFGO ULTRA 460
SHC 626	68	SFGO ULTRA 68	MOBILGEAR SHC 680	680	SFGO ULTRA 680
SHC 627	100	SFGO ULTRA 100	KLUBERSYNTH	ISO GRADE	LUBRIPLATE H-1
SHC 629	150	SFGO ULTRA 150	UH-1 6-220	220	PGO FGL-220
SHC 630	220	SFGO ULTRA 220	UH-1 6-320	320	PGO FGL-320
SHC 632	320	SFGO ULTRA 320	UH-1 6-460	460	PGO FGL-460
SHC 634	460	SFGO ULTRA 460	GH-1 6-220	220	PGO FGL-220
SHC 636	680	SFGO ULTRA 680	GH-1 6-320	320	PGO FGL-320
SHC 639	1000	SFGO ULTRA 1000	GH-1 6-460	460	PGO FGL-460

Oil Viscosity Classification Comparisons



NLGI Grease Classifications

NLGI NO.	DESCRIPTION	WORKED PENETRATION ASTM @ 77°F / 25°C
000	SEMI-FLUID	445 - 475
00	SEMI-FLUID	400 - 430
0	VERY-SOFT	355 - 385
1	SOFT	310 - 340
2	MEDIUM SOFT	265 - 295
3	MEDIUM	220 - 250
4	HARD	175 - 205
5-6	VERY HARD	85 - 160

■ Packaging Containers

The chart below indicates Lubriplate's packaging availability and the corresponding Package Part Number Suffix.

How To Generate Part Numbers - Add the desired Package Part Number Suffix, shown here, to the end of the Product Part Number. Product Part Numbers for each product can be found on the product specification charts found on the previous pages.

Not all products are available in every package size.

See package availability for each product at the bottom of the product specification charts.

Large Bulk Container Bins - Contact your Lubriplate representative or call 800-733-4755 for information and product availability.



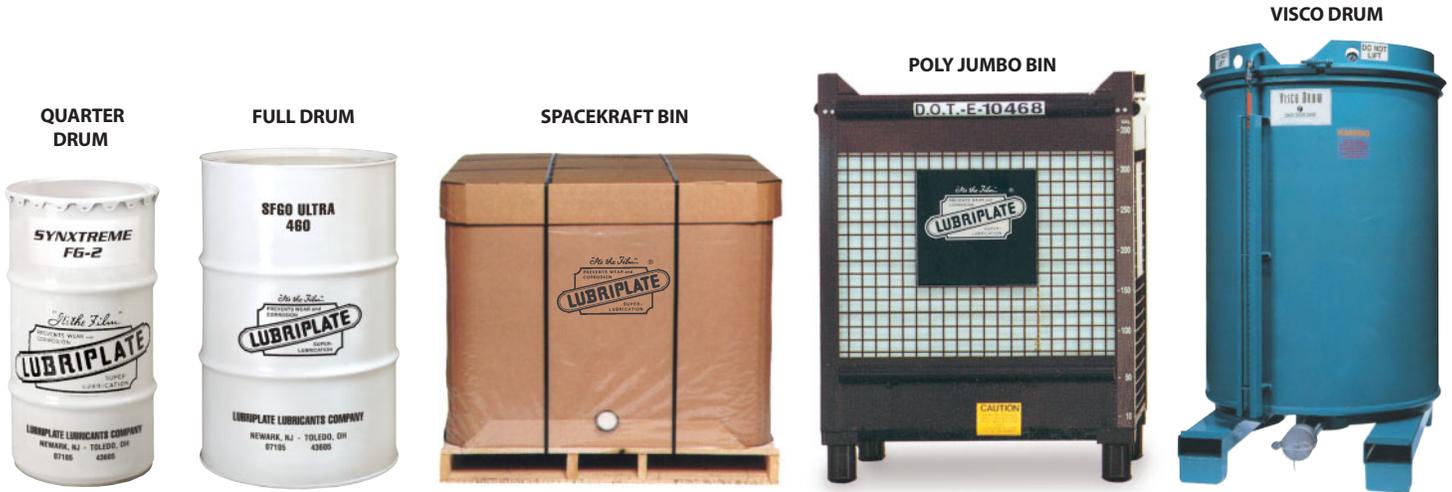
PRODUCT / PACKAGE AVG. NET WT. / CONTENTS PACKAGE PART NO. SUFFIX	TUBES 10 OZ / 284 g	SPRAY CANS NET WT. VARIES BY PRODUCT	CARTRIDGES 14.5 OZ / 411 g	SM. CANS 14 OZ / 397 g	CANS / 6 CTN 6 LB / 2.72 kg	BOTTLES 1 QUART / 946 ml 2 LB / .907 kg	JUGS 1 GAL / 3.79 L 7 LB / 3.18 kg	PAIL 35 LB / 15.9 kg 5 GAL / 18.9 L
---	------------------------	--	-------------------------------	---------------------------	--------------------------------	---	--	---

H-1 FOOD GRADE FLUIDS & OILS	-	-063	-	-	-	-054	-057	-060
*H-1 FOOD GRADE GREASES	-092	-063	-098	-001	-006	-	-	-035

Package Specifications

Case Quantity	36	12	40	24	6	12	4	-
Aprox. Dimensions / Inches	13 x 12.5 x 11.5	11 x 8.5 x 8	19.5 x 11.5 x 10.5	14 x 10.5 x 8	20 x 13.5 x 7.5	13 x 9.5 x 9	14.5 x 10 x 10.5	12 x 15
Avg. Gross Shipping Weight	-	12 lbs / 5.4 kg	-	-	-	26 lbs / 11.8 kg	26 lbs / 11.8 kg	40 lbs / 18.1 kg
*Avg. Gross Shipping Weight	29 lbs / 13.2 kg	12 lbs / 5.4 kg	44 lbs / 20 kg	29 lbs / 13.2 kg	43 lbs / 19.5 kg	27 lbs / 12.3 kg	34 lbs / 15.4 kg	38 lbs / 17.2 kg

*Items Sold By Weight. Other Items Sold by Volume.



PRODUCT / PACKAGE AVG. NET WT. / CONTENTS PACKAGE PART NO. SUFFIX	QTR DRUM 120 LB / 54 kg 16 GAL / 60.5 L	FULL DRUMS 420 LB / 191 kg 55 GAL / 208 L	SPACEKRAFT BIN 2450 LB / 1111 kg 330 GAL / 1249 L	POLY JUMBO BIN 1810 LB / 821 kg 250 GAL / 946 L	POLY JUMBO BIN 2520 LB / 1143 kg 350 GAL / 1325 L	POLY JUMBO 3980 LB / 1805 kg 550 GAL / 2082 L	VISCO DRUM 2800 LB / 1270 kg 379 GAL / 1435 L	VISCO DRUM 3800 LB / 1724 kg 500 GAL / 1893 L
---	---	---	---	---	---	---	---	---

H-1 FOOD GRADE FLUIDS & OILS	-061	-062	-070	-059	-059	-059	-	-
*H-1 FOOD GRADE GREASES	-039	-040	-042	-041	-041	-041	-041	-041

Package Specifications

Aprox. Dimensions / Inches	15 x 27	23.5 x 35	48 x 48 x 51	42 x 48 x 50	42 x 48 x 63.5	42 x 48 x 86	45.5 x 53.5 x 76.5	45.5 x 53.5 x 88
Avg. Gross Shipping Weight	134 lbs / 60.8 kg	445 lbs / 202 kg	2600 lbs / 1179 kg	2400 lbs / 1089 kg	3200 lbs / 1452 kg	4800 lbs / 2177 kg	3800 lbs / 1724 kg	4900 lbs / 2223 kg
*Avg. Gross Shipping Weight	134 lbs / 60.8 kg	465 lbs / 211 kg	2600 lbs / 1179 kg	2400 lbs / 1089 kg	3200 lbs / 1452 kg	4800 lbs / 2177 kg	3800 lbs / 1724 kg	4900 lbs / 2223 kg

■ Perma Automatic Lubricators

Select Lubriplate H-1 Food Grade Lubricants are now available pre-filled in Perma Automatic Lubricators...

Perma automatic lubricators provide clean, safe, reliable and consistent machinery lubrication around the clock. They are fully programmable and deliver the right amount of lubricant consistently, day after day, week after week. A wide range of types and sizes are available to meet your exact needs. All come pre-filled, ready to install. They save time and labor costs.

Part Numbers - add the desired Perma Package Part Number Suffix shown here to the end of the Product Part Number. Product Part Numbers for each product can be found on the product specification charts found on the previous pages.

Only select products are available in Perma Lubricators. Check the bottom of chart for lubricant availability.



CLASSIC



FUTURA



FROST



STAR VARIO



STAR CONTROL



PRO MP-6



PRO C MP-6

PERMA MODEL	VOLUME SIZE	OUTPUT RATE	PRESSURE BUILD-UP	FEATURES / DETAILS	PERMA PACKAGE PART NO. SUFFIX
CLASSIC	120 cc	1 Month	65 PSI	Metal Housing	-101
CLASSIC	120 cc	3 Month	65 PSI	Metal Housing	-103
CLASSIC	120 cc	6 Month	65 PSI	Metal Housing	-106
CLASSIC	120 cc	12 Month	65 PSI	Metal Housing	-112
FUTURA	100 cc	1 Month	65 PSI	Plastic Housing	-201
FUTURA	100 cc	3 Month	65 PSI	Plastic Housing	-203
FUTURA	100 cc	6 Month	65 PSI	Plastic Housing	-206
FUTURA	100 cc	12 Month	65 PSI	Plastic Housing	-212
FROST	120 cc	1 Month	65 PSI	Metal Housing, For Cold Temperature Applications	-301
STAR VARIO	60 cc	1, 3, 6, 12 Mo. Programable	75 PSI	Battery Operated	-460
STAR VARIO	120 cc	1, 3, 6, 12 Mo. Programable	75 PSI	Battery Operated	-412
STAR VARIO	250 cc	1, 3, 6, 12 Mo. Programable	75 PSI	Battery Operated	-425
STAR CONTROL	60 cc	Based on 100 Machine Hours	75 PSI	PLC Controlled / 12-30 Volts DC	-560
STAR CONTROL	120 cc	Based on 100 Machine Hours	75 PSI	PLC Controlled / 12-30 Volts DC	-512
STAR CONTROL	250 cc	Based on 100 Machine Hours	75 PSI	PLC Controlled / 12-30 Volts DC	-525
STAR LC REFILL KIT	60 cc	-	-	Refill Kit - Includes Pre-Filled LC Unit - Battery Pack	-660
STAR LC REFILL KIT	120 cc	-	-	Refill Kit - Includes Pre-Filled LC Unit - Battery Pack	-612
STAR LC REFILL KIT	250 cc	-	-	Refill Kit - Includes Pre-Filled LC Unit - Battery Pack	-625
PRO	250 cc	1 Day to 24 Mo. Programable	360 PSI	Battery Operated	-725
PRO	500 cc	1 Day to 24 Mo. Programable	360 PSI	Battery Operated	-750
PRO MP-6	250 cc	1 Day to 24 Mo. Programable	360 PSI	Battery Operated, 1-6 Lubrication Points	-726
PRO MP-6	500 cc	1 Day to 24 Mo. Programable	360 PSI	Battery Operated, 1-6 Lubrication Points	-756
PRO C	250 cc	Based on 100 Machine Hours	360 PSI	PLC Controlled / 12-30 Volts DC	-825
PRO C	500 cc	Based on 100 Machine Hours	360 PSI	PLC Controlled / 12-30 Volts DC	-850
PRO C MP-6	250 cc	Based on 100 Machine Hours	360 PSI	PLC Controlled / 12-30 Volts DC, 1-6 Lubrication Points	-826
PRO C MP-6	500 cc	Based on 100 Machine Hours	360 PSI	PLC Controlled / 12-30 Volts DC, 1-6 Lubrication Points	-856
PRO LV REFILL KIT	250 cc	-	-	Refill Kit - Includes Pre-Filled LV Unit - Battery Pack	-925
PRO LV REFILL KIT	500 cc	-	-	Refill Kit - Includes Pre-Filled LV Unit - Battery Pack	-950

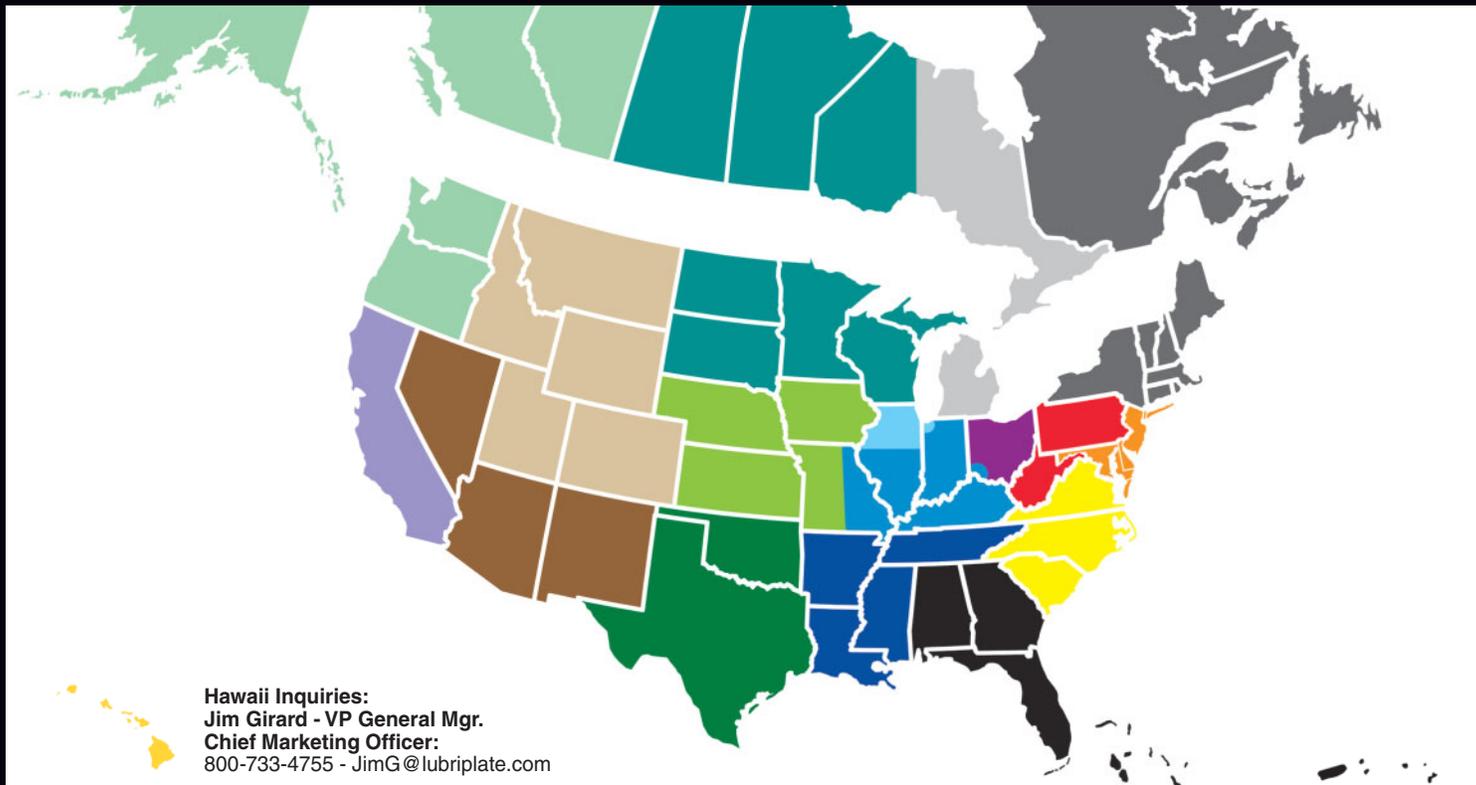
LUBRIPLATE H-1 CLASS FOOD GRADE LUBRICANTS AVAILABLE IN PERMA LUBRICATORS

H-1 FOOD GRADE GREASES SYNXTREME FG-0, SYNXTREME FG-1, SFL-0, SFL-1, FGL-0, FGL-1, FGL-2, PURE TAC.

**H-1 CLASS FOOD GRADE OILS FMO-85-AW, FMO-200-AW, FMO-350-AW.

**Lubriplate Oils are not available in Perma PRO Series Lubricators.

Regional / District Managers and Specialists



Hawaii Inquiries:
Jim Girard - VP General Mgr.
Chief Marketing Officer:
 800-733-4755 - JimG@lubriplate.com

Western Region:

Steve Paule - Regional Mgr.
 602-690-0458
 SteveP@lubriplate.com

District Managers:

Alexander Taylor
 5709 Camelot Drive SW
 Olympia, WA 98512
 360-808-0953
 360-357-6216 (Fax)
 ataylor@lubriplate.com

Dan O'Brien
 1359 East Skyview Drive
 Salt Lake City, UT 84124
 801-550-0383
 dobrien@lubriplate.com

Francis Gondouin
 216 El Prado
 San Rafael, CA 94903
 415-279-0609
 fgondouin@lubriplate.com

Roger Thostenon
 1329 Auburn Place
 Plano, TX 75093
 972-998-0344
 972-403-3801 (Fax)
 rthostenon@lubriplate.com

Central Region:

**Tim Cusack - Central Regional Manager
 and Assistant Vice President**
 800-733-4755 / TimC@lubriplate.com

District Managers:

Bill Outhouse
 5142 County Highway A
 Oregon, WI 53575-2708
 608-835-5689
 608-835-6423 (Fax)
 bouthouse@lubriplate.com

Dennis E. King
 20902 West 118th Terrace
 Olathe, KS 66061
 913-839-8444 (Office & Fax)
 913-424-7404 (Cell)
 dking@lubriplate.com

Don Wrocklage
 2330 Winegarden Court
 Ballwin, MO 63011
 636-458-0094
 636-458-7549 (Fax)
 dwrocklage@lubriplate.com

Nick Guerrero
 973-934-1929
 nguerrero@lubriplate.com
 States Covered:
 TN.; AR.; LA.; MS.

Chris Franzoni
 21653 Kendyl Court
 Macomb, MI 48044
 586-530-6922 (Cell)
 cfranzoni@lubriplate.com

Scott Besedick
 1219 Elliston Court
 Crown Point, IN 46307
 219-661-8712
 219 661-9069 (Fax)
 sbesedick@lubriplate.com

Kim Henricks
 414 Winter St.
 Elmore, OH 43416
 419-862-7603
 419-862-7903 (Fax)
 khenricks@lubriplate.com

Eastern Region:

Dick Schettino - Eastern Regional Manager
 800-733-4755
 DickS@lubriplate.com

District Managers:

Michael Barto
 44 North Cope Hill Drive
 Lititz, PA 17543
 717-665-0424
 717-665-0425 (Fax)
 mbarto@lubriplate.com

David Reh
 142 Andrew Street
 Hamilton, NJ 08610
 609-278-5876
 dreh@lubriplate.com

Robert A. Reh Jr.
 5312 Meadow Chase Rd.
 Midlothian, VA 23112
 804-739-7087
 rrehjr@lubriplate.com

Lee Myers
 PMB 290 / 3948 S. Third St.
 Jacksonville Bch., FL 32250
 904-221-0557
 904-221-1025 (Fax)
 lmyers@lubriplate.com

Jim Zappulla
 176 Tobacco Street
 Lebanon, CT 06249
 860-450-0222
 jzappulla@lubriplate.com

Specialists:

**Vice President & Gen Mgr.
 International Inquiries:
 Chief Marketing Officer:**
Jim Girard - 800-733-4755
 JimG@lubriplate.com

**Sales & Technical Assistant
 to Chief Marketing Officer:**
Vera Tehayel - 973-589-9150
 VeraT@lubriplate.com

**Assistant Vice President
 Domestic Sales & Service
 Inquiries:**
Tim Cusack - 800-733-4755
 TimC@lubriplate.com

Toledo Sales Director:
Mike Kontak -
 419-691-2491
 MikeK@lubriplate.com

Vice President, Sales:
Steve Morrow -
 Office: 1-973-589-9150
 Cell: 1-973-722-6516
 SMorrow@lubriplate.com

Quality Manager:
Jacki Dusza -
 419-691-2491
 JackiD@lubriplate.com

**Technical Service Center
 Director of Technology:**
Iliana Vargas -
 800-733-4755
 IVargas@lubriplate.com

**Director of Information
 Technology:**
Dan Moroses - 973-465-5737
 DanM@lubriplate.com

Lubriplate Lubricants Company

129 LOCKWOOD STREET / NEWARK, NJ 07105 / PHONE 800-733-4755 / FAX 800-347-5329
 TOLEDO, OH OFFICE / PHONE 419-691-2491 / FAX 800-347-5348

www.lubriplate.com / E-mail: LubeXpert@lubriplate.com