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

Guide To Lubriplate® NSF H1 Registered Food Machinery Lubricants
Complimentary Value Added Services Offered

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 Charts and Machinery Tags
Customized with your company logo, these color coded charts and 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. Our Online Training Program is available at: http://www.lubriplate.com/Training-Videos/Lubrication-BasicTraining.aspx
Lubriplate’s complete line of high-performance, NSF H1 Registered, Food Machinery Grade Lubricants is designed to provide total food processing and bottling plant lubrication capability. Manufactured under strict NSF/ISO 21469 Certified 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 H1 Lubricants are manufactured with ingredients that comply with FDA regulation 21 CFR 178.3570 for lubricants with incidental food contact. They meet NSF H1 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.

Select Lubriplate H1 Lubricants are formulated with LUBRI-ARMOUR® Anti-Microbial Additive. Developed to prevent the decomposition of lubricants caused by microorganisms, greases treated with LUBRI-ARMOUR® remain fresh and last longer in harsh food processing plant environments.

### FEATURES

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### F.D.A. CODES (CFR) FOR LUBRICANTS WITH INCIDENTAL FOOD CONTACT

21.CFR 178.3570 Ingredients used to manufacture H1 lubricants must comply with this code. / All Lubriplate H-1 products comply with this code.


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 H1 range are formulated with USP White Mineral Oil which is both the purest and highest quality base oil any manufacturer can use to formulate H1 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.

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SFGO Ultra Series: 100% Synthetic, NSF H1 Registered, High-Performance, Multi-Purpose Fluid Lubricants. Formulated with 100% synthetic hydrocarbons, these fluids are used in 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 CFR 178.3570 and FDA 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. Contains LUBRIPLATE’s proprietary additive system AW/EP/FG ULTRA XTREME.

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.

SYNCOOL FG: NSF H1 Registered, 100% Synthetic, Polyglycolester (PGE) Air Compressor Fluid. Recommended for use in high performance rotary screw and rotary vane air compressors where high operating temperatures are present. State of the art additives enhance its inherent outstanding performance characteristics. Readily biodegradable. NSF H1 registered, food machinery grade.

SYNXTREME FRH1-46: NSF H1 Registered, 100% Synthetic, FM Approved, Fire Resistant, Hydraulic Fluid. A high performance hydraulic fluid designed for demanding industrial and food processing applications requiring fire resistance, and excellent anti-wear properties over wide temperature ranges. NSF H1 registered, this product complies with CFR 21, section 178.3570.

SSO-FG100 & SSO-FG 150: 100% Synthetic Lubricants for Angelus and Zacmi Seamers and Canning Equipment. These high quality, fully synthetic lubricants are designed for use in Angelus and Zacmi 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.

SYN MPFG-7: NSF H1 Registered, 100% Synthetic, Polyalphaolefin (PAO) Based, Fluid Lubricant. Recommended to lubricate plastic modular wear strips and sprockets; as a barrier fluid; and for applications where a low temperature fluid is required.
HTCL-FG 68 and HTCL-FG 220: 100% Synthetic, Polyol Ester (POE)-Based, Oven Chain Lubricants.
These 100% synthetic Polyol Ester (POE)-Based fluids are specifically designed for use on oven chains in food manufacturing operations where incidental food contact is a possibility. Recommended for use on bakery oven chains and other oven chain applications, including; drying oven chains, tenter frame chains, heat-treating chains and paint curing oven chains. The combination of an ashless additive system and the synthetic ester base provide protection against wear, rust, oxidation and corrosion. They eliminate carbon build-up on chains and help maintain a clean lubricated surface. HTCL-FG 68 can be fed through micro lube systems, spray systems, mist systems, drip bottle systems and can be hand applied. Free of harmful VOC’s which pollute the atmosphere. Superior film strength reduces oil consumption and reduces smoke. High auto-ignition temperatures (>700°F / 371°C) reduce the risk of oven fires.

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*HTCL-FG 68 is available in Pails and Drums. HTCL-FG 220 is available in Jugs, Pails and Drums. See page 10 for more information and package part number suffix.

SYNXTREME FG-Series:
Synthetic, Calcium Sulfonate Complex, Food Machinery Grade Greases.

NSF H1 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-0/220, SYNXTREME FG-1/220 and SYNXTREME FG-2/220 are formulated with a heavier (ISO 220 Grade) base fluid and are recommended for equipment operating under high temperature conditions. SYNXTREME FG-Series Greases Contain LUBRI-ARMOUR Anti-Microbial Additive.

SFL Series: 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 for a variety of applications. Contains LUBRI-ARMOUR Anti-Microbial Additive.

SYN ST High Performance H-1 Special: Food Machinery Grade Silicone Lubricant.
Manufactured with PTFE, this 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. This product is not compatible with oxygen (O2) and should not be recommended for any application where there is a possibility of this product coming in contact with any form of oxygen (both liquid and gas).

SYNXTREME HT MAX: Ultra High Temperature, Perfluoropolyether PFPE-Based Grease.
An advanced, PTFE thickened, perfluoropolyether PFPE-based grease that is recommended for high-temperature applications up to 550˚F / 288˚C and applications where chemical inertness and solvent resistance is required. Provides extremely long service life and extended lubrication intervals. Chemically inert, it is unaffected by strong acids and bases and is not attacked by solvents including fuels. It is also effective for oxygen service applications.
**FMO-AW Series**: Multi-Purpose, Anti-Wear Fortified, Food Machinery Grade, USP White Mineral Oils. These super multi-purpose, anti-wear fortified, USP White mineral oil based lubricants are manufactured in ten ISO grades for a wide variety of applications. This series is also available in an orange color which helps in leak detection. FMO-1100AW and FMO-2400AW pass 12 stages of the FZG test. Contains LUBRIPLATE’s proprietary additive system AW/EP/FG ULTRA XTREMITY.

**FMO Series 45 thru 500**: Multi-Purpose, Direct Contact. USP White Mineral Oils. (NSF H1 & 3H Registered) These multi-purpose, pure USP while mineral oils offer the utmost in purity. They comply with FDA regulations 21.CFR 178-3570, 21.CFR 178-3620 and 21.CFR 172-878 and are NSF H1 & 3H registered for use in applications where there is direct contact with the edible product.

**FP-150 and FP-150L**: Clear, Tacky, Multi-Purpose Oils. These clear, tacky, adhesive, NSF H1 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.

**Food Grade Cooker Oil**: For Cookers and Sterilizers. This zinc free, NSF H1 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. Contains LUBRIPLATE’s proprietary additive system AW/EP/FG ULTRA XTREMITY.

**Seamer Oil FG Series**: Food Grade, USP Mineral Oils For Can Seaming Equipment. These high performance, USP mineral oil-based, food grade seamer oils are specifically designed to lubricate can seaming machines with once-through oil systems as well as those that utilize oil re-circulating/filtration systems. Recommended for Angelus Seamer Models 61H, 120L, 121L, 140S & 180S.

**STO-FG Oil**: For Bottle Filling Machines. A non-corrosive, NSF H1 Registered, food machinery grade oil for lubricating stirrups on bottle filling machines.

**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.

**PDO Light and Pan Divider Oil**: USP White Mineral Oils For Pan Divider Applications. (NSF H1 & 3H Registered) These oils meet and exceed FDA regulation 21 CFR 172.878 for direct contact with food. Recommended for pan divider oil applications.
FGL Series:
High Performance, Multi-Purpose, Aluminum Complex, Food Grade Greases.
Designed to meet the demands of food and beverage industry plant engineers who want NSF H1 Registered greases to totally replace H2 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.
Lubriplate FGL Series Greases Contain LUBRI-ARMOUR Anti-Microbial Additive.

CS-FG EP-2:
High-Performance, Calcium Sulfonate Complex, Food Grade Grease.
This high-performance, multi-purpose, calcium sulfonate complex thickened grease offers superior protection from rust and corrosion, excellent resistance to water wash off and outstanding high-temperature properties. NSF H1 Registered.
Contains LUBRI-ARMOUR Anti-Microbial Additive.

FML Series:
Multi-Purpose, Anhydrous Calcium, 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 H1 Registered. Contains LUBRI-ARMOUR Anti-Microbial Additive.

PURE TAC and PURE TAC LIGHT:
Tacky, Adhesive, Aluminum Complex, Food Grade Greases.
These tacky, adhesive, highly water resistant, NSF H1 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. PURE TAC and PURE TAC LIGHT Contain LUBRI-ARMOUR Anti-Microbial Additive.

CLEARPLEX Series:
Clear, Multi-Purpose, Aluminum Complex, Food Grade Greases.
Manufactured with a non-zinc oxide anti-wear additive, these aluminum complex thickened, NSF H1 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. CLEARPLEX is available in 4 oz tubes and is an excellent for use in plain and anti-friction bearings in the food processing and beverage processing industry. CLEARPLEX-1 is excellent for the pre-lube for assembly of machinery, bearings, O-rings, seals, gaskets, guides, sliding surfaces, valves, etc.
All CLEARPLEX Series greases contain LUBRI-ARMOUR Anti-Microbial Additive.

3H DIRECT:
NSF H1 & 3H Registered, Direct Contact, Food Grade Grease.
3H DIRECT food machinery lubricant is NSF H1 & 3H registered for use in applications where there is direct contact with the edible product.

---

**LUBRIPASTE PRODUCT**

**PRODUCT
PART NO.**

**GREASE TYPE THICKENER**

**NLGI GRADE**

**BASE OIL TYPE**

**BASE OIL VIS.
cst @ 40˚C**

**RECOMMENDED TEMPERATURE RANGE**

**ASTM DROP POINT**

**MINIMUM**

**MAXIMUM**

**FGL-00**

L0226-

Aluminum Complex

00

USP White Mineral Oil

120

-0˚F / -18˚C

300˚F / 149˚C

410˚F / 210˚C

**FGL-CC**

L0229-

Aluminum Complex

0/00

USP White Mineral Oil

120

-10˚F / -23˚C

350˚F / 177˚C

450˚F / 232˚C

**FGL-0**

L0230-

Aluminum Complex

0

USP White Mineral Oil

120

-0˚F / -18˚C

335˚F / 168˚C

435˚F / 224˚C

**FGL-1**

L0231-

Aluminum Complex

1

USP White Mineral Oil

120

-0˚F / -18˚C

360˚F / 182˚C

460˚F / 238˚C

**FGL-2**

L0232-

Aluminum Complex

2

USP White Mineral Oil

160

10˚F / -12˚C

400˚F / 204˚C

515˚F / 268˚C

---

**PRODUCT
PART NO.**

**GREASE TYPE THICKENER**

**NLGI GRADE**

**BASE OIL TYPE**

**BASE OIL VIS.
cst @ 40˚C**

**RECOMMENDED TEMPERATURE RANGE**

**ASTM DROP POINT**

**MINIMUM**

**MAXIMUM**

**CS-FG EP-2**

L0138-

Calcium Sulfonate Complex

2

USP White Mineral Oil

105

10˚F / -12˚C

400˚F / 204˚C

600˚F / 316˚C

---

**PRODUCT
PART NO.**

**GREASE TYPE THICKENER**

**NLGI GRADE**

**BASE OIL TYPE**

**BASE OIL VIS.
cst @ 40˚C**

**RECOMMENDED TEMPERATURE RANGE**

**ASTM DROP POINT**

**MINIMUM**

**MAXIMUM**

**FML-0**

L0143-

Anhydrous Calcium

0

USP White Mineral Oil

144

10˚F / -12˚C

190˚F / 88˚C

280˚F / 138˚C

**FML-1**

L0144-

Anhydrous Calcium

1

USP White Mineral Oil

144

10˚F / -12˚C

200˚F / 93˚C

285˚F / 141˚C

**FML-2**

L0145-

Anhydrous Calcium

2

USP White Mineral Oil

144

10˚F / -12˚C

200˚F / 93˚C

285˚F / 141˚C

---

**PRODUCT
PART NO.**

**GREASE TYPE THICKENER**

**NLGI GRADE**

**BASE OIL TYPE**

**BASE OIL VIS.
cst @ 40˚C**

**RECOMMENDED TEMPERATURE RANGE**

**ASTM DROP POINT**

**MINIMUM**

**MAXIMUM**

**PURE TAC**

L0236-

Aluminum Complex

2

USP White Mineral Oil

1187

20˚F / -7˚C

400˚F / 204˚C

520˚F / 271˚C

**PURE TAC LT.**

L0235-

Aluminum Complex

1.5

USP White Mineral Oil

600

10˚F / -12˚C

388˚F / 198˚C

446˚F / 230˚C

---

**PRODUCT
PART NO.**

**GREASE TYPE THICKENER**

**NLGI GRADE**

**BASE OIL TYPE**

**BASE OIL VIS.
cst @ 40˚C**

**RECOMMENDED TEMPERATURE RANGE**

**ASTM DROP POINT**

**MINIMUM**

**MAXIMUM**

**CLEARPLEX**

L0333-082

Aluminum Complex

1

USP White Mineral Oil

100

0˚F / -18˚C

360˚F / 182˚C

465˚F / 240˚C

**CLEARPLEX-1**

L0350-

Aluminum Complex

1

USP White Mineral Oil

100

0˚F / -18˚C

360˚F / 182˚C

465˚F / 240˚C

**CLEARPLEX-2**

L0351-

Aluminum Complex

2

USP White Mineral Oil

150

10˚F / -12˚C

400˚F / 204˚C

450˚F / 232˚C

---

*H1 Class Lubricants are manufactured with ingredients that comply with FDA regulation 21 CFR 178.3570 for lubricants with incidental contact with the edible product.

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

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

*CS-FG EP-2 is available in Cartridges, Pails, 1/4 Drums & Drums. See page 10 for more information and package part number suffix.

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

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

*CLEARPLEX is available in 4 oz Tubes Pt. No. L0333-082, CLEARPLEX-1 and 2 are available in Cartridges, Pails, 1/4 Drums, Drums & Perma Lubricators. See pages 10 and 11 for package part number suffix.

*H1 Class Lubricants are manufactured with ingredients that comply with FDA regulation 21 CFR 178.3570 for lubricants with incidental contact with the edible product.

*PURE TAC & PURE TAC LIGHT are available in Cartridges, Pails, 1/4 Drums, Drums & Perma Lubricators. See pages 10 and 11 for more information and package part number suffix.
SYNXTREME FG-2 Spray:
A multi-purpose, synthetic, high temperature, extreme pressure, water resistant, NSF H1 registered food machinery lubricant. Provides long lasting protection against friction, wear and corrosion. Contains LUBRI-ARMOUR Anti-Microbial Additive. 11 oz / 312 g aerosol can. Part No. L0305-063.

FGL-1 Spray:
Class H1 lubricant in handy, easy to use spray can. Quick and clean applications. Fortified with anti-wear, anti-rust, and anti-corrosion additives. Contains LUBRI-ARMOUR Anti-Microbial Additive. 11 oz / 312 g aerosol can. 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 H1 oil is required. Packed in 12 oz / 340 g aerosol can. Part No. L0882-063.

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. 11 oz / 312 g aerosol can. Part No. L0812-063.

Food Grade Silicone Lubricant: A multi-purpose, H1 registered, silicone lubricant for use on bottling, dairy and food processing machinery. For slides, chains, O-rings, rubber seals and general lubrication. Packed in 9 OZ. / 269 g spray can. Part No. L0723-063.

FP-150 Spray: An NSF H1 registered food grade fluid lubricant for numerous general oiling applications at food, beverage and pharmaceutical processing facilities. It is a clear, thick/tacky adherent fluid especially suitable for proofer oven chains. 11 oz / 312 g aerosol can. Part No. L0735-063.

Super FML-2 Spray: A Class H1 white lubricant in handy, easy to use spray can. For use in food processing operations where a Class H1 lubricant is required. Contains LUBRI-ARMOUR Anti-Microbial Additive. 11 oz / 312 g aerosol can. Part No. L0145-063.


Refrigeration Compressor Fluid NSF H1 Registered

RCO-68FG: NSF H1 Food Grade, Polyalphaolefin (PAO)-Based, 100% Synthetic, Refrigeration Compressor Fluid. Formulated for use in refrigeration compressor systems where a NSF H1 Registered, food machinery grade lubricant is required. It is recommended for CFC (chlorofluorocarbon) and HCFC (hydrochlorofluorocarbon) refrigerants such as R-717, R-11, R-12, R-13, R-113, R-114, R-115, R-22, R-123, R-141b, R-500, R-501 and R-502 or where ammonia is used as the coolant. It is not recommended for use with HFC (hydroflurocarbon) refrigerants such as HFC-134a. High performance formulation provides extended service life while minimizing the formation of harmful varnish and sludge deposits.

<table>
<thead>
<tr>
<th>LUBRIPLATE PRODUCT *PRODUCT PART NO.</th>
<th>ISO VISC. GRADE</th>
<th>AGMA NO.</th>
<th>SAE GEAR OIL NO.</th>
<th>SAE NO.</th>
<th>VISCOSITY cSt @40˚C / 100˚C</th>
<th>VISCOSITY SUS @100˚F / 210˚F</th>
<th>VISCOSITY INDEX</th>
<th>FLASH POINT</th>
<th>FIRE POINT</th>
<th>POUR POINT</th>
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<tbody>
<tr>
<td>RCO-68 FG L0818-</td>
<td>68</td>
<td>2</td>
<td>80</td>
<td>30</td>
<td>62 / 10</td>
<td>325 / 59</td>
<td>142</td>
<td>495˚F / 257˚C</td>
<td>545˚F / 285˚C</td>
<td>-60˚F / -51˚C</td>
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</table>

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

Flushing and Cleansing Fluid / Oil NSF H1 Registered

Syn Flush FG: A 100% synthetic, modern technology product designed to clean various pieces of equipment where a switch from an H2 to an NSF H1 Registered product is required. Costly downtime can be avoided as it cleans internally without unit tear down. It is compatible with Synthetic Polyalphaolefin, Polyoesters, 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 H1 Registered. Product Part No. L0961-. Available in bottles, pails & drums. See page 26 for package part number suffix.

Pure Flush: This NSF H1 Registered, 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. Product Part No. L0816-. Available in bottles, jugs, pails, 1/4 drums & drums. See page 26 for package part number suffix.
### Application & Interchange Recommendations

**Applications**
- 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
  - Air compressors rotary screw
  - Refrigeration compressors
- Air line systems
- Hydraulic systems - normal temps
- Low temperatures
- High speed bearings
- Grease oil
- Chemical & condensate pumps
- Grease oil
- Vacuum pumps

### Lubriplate H1 Class Synthetic Fluid Interchange Recommendations

**Applications**
- Draft & ventilating fans
  - Grease oil
- Stirrups - bottle fillers
- Peach pitters - chain drives
- Sealing rolls, spindles, chucks
- Cookers - carrier bearings
- Cooker valve lubrication
  - (Manzel lubricators)
- Can seams & closing machines
  - (Automatic 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

### Synthetic Based Product

<table>
<thead>
<tr>
<th>EXXON/MOBIL</th>
<th>ISO GRADE</th>
<th>LUBRIPLATE H1</th>
<th>EXXON/MOBIL</th>
<th>ISO GRADE</th>
<th>LUBRIPLATE H1</th>
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<tr>
<td>SHC 524</td>
<td>32</td>
<td>SFGO ULTRA 32*</td>
<td>SHC CIBUS 32</td>
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<td>SHC CIBUS 68</td>
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<td>SHC CIBUS 320</td>
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<td>SHC 636</td>
<td>680</td>
<td>SFGO ULTRA 680*</td>
<td>MOBILGEAR SHC 150</td>
<td>150</td>
<td>SFGO ULTRA 150*</td>
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</table>
| SHC 639     | 1000      | SFGO ULTRA 1000*| MOBILGEAR SHC 680| 680      | SFGO ULTRA 680*

**KLUBEROil A4H1-100**
- 100 SFGO ULTRA 100*

**KLUBEROil A4H1-150**
- 150 SFGO ULTRA 150*

**KLUBEROil A4H1-220**
- 220 SFGO ULTRA 220*

**KLUBEROil A4H1-320**
- 320 SFGO ULTRA 320*

**KLUBEROil A4H1-460**
- 460 SFGO ULTRA 460*

**KLUBEROil A4H1-680**
- 680 SFGO ULTRA 680*

### Oil Viscosity Classification Comparisons

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<th>cS@40°C</th>
<th>ISO GRADE</th>
<th>AGMA NO.</th>
<th>SAE GEAR OIL</th>
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### NLGI Grease Classifications

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<td>SEMI-FLUID</td>
<td>445 - 475</td>
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<td>MEDIUM</td>
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<td>HARD</td>
<td>175 - 205</td>
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<td>5-6</td>
<td>VERY HARD</td>
<td>85 - 160</td>
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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** | **TUBES** | **SPRAYS** | **CARTRIDGES** | **SM. TUBS** | **TUBS** | **BOTTLES** | **JUGS** | **PAIL**
--- | --- | --- | --- | --- | --- | --- | --- | ---
| **AVG. NET WT. / CONTENTS** | **NET WT. VARIIES BY PRODUCT** | **NET WT. VARIIES BY PRODUCT** | **NET WT. VARIIES BY PRODUCT** | **16 OZ / 454 g** | **6 LBS / 2.72 kg** | **1 QUART / .946 ml** | **1 GAL / 3.79 L** | **35 LB / 15.9 kg**
| **PACKAGE PART NO. SUFFIX** | **-061** | **-062** | **-072** | **-059** | **-059** | **-059** | **-059** | **-059**
| **Food Grade Fluids / Oils** | - | - | - | - | - | - | - | -
| **-039** | **-040** | **-042** | **-072** | **-041** | **-041** | **-041** | **-041** | **-041**
| **Food Grade Greases** | - | - | - | - | - | - | - | -

**Package Specifications**

**Case Quantity** | 12 | 12 | 40 | 12 | 4 | 12 | 4 | 1
| **Aprox. Dimensions / Inches** | - | 11x8.5x8 | 19.5x11.5x10.5 | 16x12x4.5 | 16x16x8 | 13x9.5x9 | 14.5x10x10.5 | 12x15
| **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** | - | 12 lbs / 5.4 kg | 44 lbs / 20 kg | 14.5 lbs / 6.6 kg | 29 lbs / 13 kg | 27 lbs / 12 kg | 34 lbs / 15.4 kg | 38 lbs / 17.2 kg

(1) SYN ST H-1 SPECIAL is available in 13 OZ. Tubes, 12 to a case. Part Number L0365-092. See page 5 for more information.

(2) CLEARPLEX is available in 4 OZ. Tubes, 12 to a case. Part Number L0353-082. See page 7 for more information.

(3) FMO-8SAW is available 14 OZ. / 414 ml. non-aerosol, hand pump, spray bottle. Part Number L0880-067. See Page 8 for details.

*Items Sold By Weight. Other Items Sold by Volume.
Select Lubriplate H1 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.

Only select products are available in Perma Lubricators.

Check the bottom of chart for lubricant availability.

Part Numbers - Add the desired Perma Package Part Number Suffix listed on the chart to the end of the desired Lubriplate Product Part Number.