



TECHNICAL DATA SHEET

SUPER LUBE® FOOD GRADE ANTI-SEIZE LUBRICANT WITH SYNCOLON® (PTFE)

March 2018

PRODUCT DESCRIPTION:

Super Lube® Food Grade Anti-Seize Lubricant with Synconol® (PTFE) is a metal free heavy-duty synthetic formulation designed to prevent galling, corrosion and seizing.

The Synconol® (PTFE) micro powders in the formula combine to form a waterproof anti-seize compound that adheres to metal surfaces; providing superior protection against friction and wear on threaded joints.

Use Super Lube® Food Grade Anti-Seize Lubricant for easy assembly and disassembly of metal parts when exposed to high temperature environments.

Super Lube® Food Grade Anti-Seize Lubricant is a NSF registered Food Grade lubricant, rated H1 for incidental food contact. Meets former USDA (H1) guidelines.



FEATURES:

- ❖ Prevents rust and corrosion while reducing friction
- ❖ Prevents seizing and galling
- ❖ Metal free formula
- ❖ Will not drip, run or evaporate
- ❖ Long lasting
- ❖ Wide temperature range
- ❖ Compatible with stainless steel and stainless alloys
- ❖ Impervious to salt water, safe in potable water
- ❖ Environmentally friendly
- ❖ Dielectric, food grade and clean
- ❖ Waterproof
- ❖ Environmentally friendly
- ❖ Biodegradable
- ❖ Kosher certified
- ❖ NSF Registered (H1), #156448

TYPICAL APPLICATIONS:

- ❖ Nuts, bolts, studs, flanges, bushings, gaskets
- ❖ Cams, slides, valves, conveyors, chains
- ❖ Hubs, axles, chassis, shocks, springs
- ❖ Food processing equipment
- ❖ Seat regulators and tracks
- ❖ Fifth wheels
- ❖ Metal parts lubricant
- ❖ Winches, pulleys, snaps
- ❖ Pipe joints
- ❖ Slip fit, press fit, keyed shafts
- ❖ Metal to metal, stainless steel and stainless alloys
- ❖ Guides, slides and other moving parts



TECHNICAL BULLETIN

**SUPER LUBE® FOOD GRADE ANTI-SEIZE
LUBRICANT WITH SYNCOLON® (PTFE)**

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PACKAGE SIZES:

Part No.	Description
48008	8 oz. (226.8 gram) Brush Bottle
48160	14.1 oz. (400 gram) Canister

PROPERTIES:

Test	Test Method	Rating
NLGI Grade:	ASTM D217	2
Color:		Translucent White
Temperature Range:		-45°F to 450°F (-43°C to 232°C)
Viscosity (Base Oil)		
cSt @ 100°C:	ASTM D445	8
cSt @ 40°C:	ASTM D445	350
Specific Gravity:	ASTM D1298	.89 @ 60°F
Water, PPM:	ASTM D1744	35 ppm
Tan:	ASTM D974	0.04 maximum
Dropping Point:	ASTM D2265	>550°F (287°C)
Penetration, worked (60 strokes)	ASTM D217	265-295 mm/10
Four Ball Test		
Load wear index:	ASTM 2596	70.63 kgf
Weld point:		400 kg
Four ball EP Scar Diameter:	ASTM D2266	< 1.0 mm
Low Temperature Torque @ -54°C		
Starting:	ASTM D1478	0.27 N-m (0.37 in-lbs.)
10 minute running:	ASTM D1478	0.08 N-m (0.11 in-lbs.)
1 hour running:	ASTM D1478	0.006 N-m (0.09 in-lbs.)
Salt Spray Test (100 hrs.)	ASTM B117	Pass
Dielectric Loss:	ASTM D924	1.2 x 10 ¹²
Dielectric Resistivity:	ASTM D1169	1.7 x 10 ¹⁴
Dielectric Constant:	ASTM D924	2.5
Oil Separation:	ASTM D6184	< 2%
Evaporation Loss		
22 hrs. @ 212°F (100°C):	ASTM D972	<1%
Oxidation Stability - 100 hrs.	ASTM D942	0.5 psi drop
Timken OK Load:	ASTM 2509	40 lbs.
Flash Point:	ASTM D92	>428°F (220°C)
Fire Point:	ASTM D92	>572°F (300°C)
Wheel Bearing Leakage:	ASTM D1263	< 1.0 g



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Water Washout (max.):	ASTM 1264	< 1%
Copper Corrosion - 24 hrs. @ 100°C	ASTM D4048	1B, shiny
Acid Number:	ASTM D664	.5 mg KOH/g
Biodegradability	CEC-L33-T82	50% degradability in 28-35 days 60+% degradability in 56 days

DIRECTIONS:

- Clean mating surfaces
- Apply ample amount evenly
- Assemble
- Wipe off excess

SHELF LIFE / WARRANTY:

Super Lube® products have a five (5) year recommended shelf life when stored in the original container and in reasonable ambient conditions. The warranty period is twenty-four (24) months from the date of purchase. For complete information visit www.super-lube.com/what-is-the-shelf-life-ezp-320.html.



See Safety Data Sheet (SDS) for further details regarding safe use of this product.



The information provided in this Technical Data Sheet including the recommendations for use and application of the product are based on our knowledge and experience of the product as of the date of this bulletin. The product can have a variety of different applications as well as differing application and working conditions in your environment that are beyond our control. Synco Chemical Corporation is, therefore not liable for the suitability of our product for the production processes and conditions in respect for which you use them, as well as the intended applications and results. We strongly recommend that you carry out your own prior trials to confirm such suitability of our product.

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