



## TECHNICAL DATA SHEET

SUPER LUBE® SILICONE LUBRICATING GREASE WITH SYNOLON® (PTFE) March 2018

### PRODUCT DESCRIPTION:

Super Lube® Silicone Lubricating Grease with Synolon® (PTFE) is a non-curing silicone compound ideal for sealing, protecting and insulating electrical components and connectors. The addition of Synolon® (PTFE) micro powders combine to form a premium lubricant that provides longer life protection against friction, wear, rust and corrosion.

Super Lube® Silicone Lubricating Grease with Synolon® (PTFE) is waterproof and protects against moisture and other contaminants in electrical connections.

Super Lube® Silicone Lubricating Grease is a NSF registered Food Grade lubricant, rated H1 for incidental food contact. Meets former USDA (H1) guidelines.

Super Lube® Silicone Lubricating Grease with Synolon® (PTFE) is translucent white, clean and clear in appearance and exhibits high dielectric strength and is compatible with most plastics and rubbers. It will not harden, dry out or melt.



### FEATURES:

- ❖ Vacuum grease
- ❖ High dielectric strength
- ❖ Prevents rust and corrosion
- ❖ Food grade and clean
- ❖ Excellent heat transfer efficiency
- ❖ Viscosity stable
- ❖ Thermally stable
- ❖ Wide temperature range
- ❖ Compatible with majority of rubber and plastic compounds
- ❖ Seals out moisture
- ❖ Thick consistency
- ❖ Environmentally friendly
- ❖ Biodegradable
- ❖ Kosher certified
- ❖ NSF Registered (H1), #141974

### TYPICAL APPLICATIONS:

- ❖ O-rings
- ❖ Faucet valves
- ❖ Rubber gaskets
- ❖ Window channels
- ❖ Electrical connectors
- ❖ Food processing equipment
- ❖ Vacuum/Chamber sealant
- ❖ Calipers
- ❖ Treadmills, exercise equipment
- ❖ Tools, mold release
- ❖ Grommets, locks
- ❖ Electronic equipment
- ❖ Plastic parts
- ❖ High speed machinery
- ❖ Weather stripping



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**PACKAGE SIZES:**

Part No.	Description
92000	1 cc. Packet
92003	3 oz. Tube
92150	400 gram Cartridge
92016	400 gram Canister
92005	5 lb. Pail
92030	30 lb. Pail
92120	120 lb. Keg
92400	400 lb. Drum

**PROPERTIES:**

Test	Test Method	Rating
NLGI Grade:	ASTM D1092	2
Color:		Translucent white
Temperature Range:		-40°F to 500°F (-40°C to 260°C)
Viscosity (Base Oil) cSt @ 25°C:	ASTM D445	5000
Specific Gravity @ 25°C (77°F):	ASTM D1298	0.90
Penetration, Worked 60 strokes:	ASTM D217	265 – 295
Vapor Pressure @ 200°C (Pascal):		1.33
Specific Heat (Joules/g, °C)		1.5
Thermal Conductivity (Watt/m.°C):		0.16
Dielectric Strength (Volts/mil, 50 mil gap):	CTM 0114	400
Dielectric Loss:	ASTM D924	1.2 x 10 <sup>12</sup>
Dielectric Resistivity @ 25°C (ohm/cm):	ASTM D1169	1 x 10 <sup>15</sup>
Dielectric Constant @25°C between 0.5 and 100 kHz:	ASTM D924	2.8
Oil Separation, 21 hrs. / 100°C:	ASTM D6184	<2%



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<b>Evaporation Loss</b> 22 hrs. @ 212°F (100°C)	ASTM D972	< 1%
<b>Flash Point:</b>	ASTM D92	>572°F (300°C)
<b>Melting Point:</b>		No Melt
<b>Water Washout:</b>	ASTM D1264	< 1%
<b>Biodegradability:</b>	CEC-L33-T82	50% degradability in 28-35 days 60+% degradability in 56 days

DIRECTIONS:

- Clean and dry area to be treated.
- Apply with a clean cloth, brush, sponge or finger.
- Remove 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](http://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.



Made in USA

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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