



TECHNICAL DATA SHEET

SUPER LUBE® SILICONE DIELECTRIC GREASE

March 2017

PRODUCT DESCRIPTION:

Super Lube® Silicone Dielectric Grease is a non-curing silicone compound ideal for sealing, protecting and insulating electrical components and connectors. It is waterproof and protects against moisture and other contaminants in electrical connections.

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

Super Lube® Silicone Dielectric Grease is translucent white, clean and clear in appearance and exhibits high dielectric strength. It is compatible with most plastics and rubbers.



FEATURES:

- ❖ Vacuum grease
- ❖ High dielectric strength
- ❖ Food grade and clean
- ❖ Seals out moisture
- ❖ Lubricates rubbers and plastics
- ❖ Heavy consistency
- ❖ Protects electrical components from corrosion
- ❖ Prevents electrical arcing
- ❖ Wide temperature range
- ❖ Compatible with majority of rubber and plastic compounds.
- ❖ Environmentally friendly
- ❖ NSF Registered (H1), #141973
- ❖ Kosher certified

TYPICAL APPLICATIONS:

- ❖ Electrical insulation, damping and lubrication of brass components and O-rings.
- ❖ Protects battery cables, spark plugs and distributor caps.
- ❖ Cable connections
- ❖ Terminal strips and disconnects
- ❖ Vacuum/Chamber Sealant
- ❖ Food processing equipment

PACKAGE SIZES:

Part No.	Description
91003	3 oz. Tube
91015*	400 gram Cartridge
91016*	400 gram Canister
91005*	5 lb. Pail
91030*	30 lb. Pail
91400	400 lb. Drum

\*Available with UV tracer for traceability – Validates the existence of the lubricant.



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PROPERTIES:

Test	Test Method	Rating
Color:		Translucent white
Temperature Range:		-40°F to 500°F (-40°C to 260°C)
Penetration, Worked 60 strokes:	ASTM D217	265 - 295
Oil Separation, 21 hrs. / 100°C:	ASTM D6184	< 3%
Melting Point:		No Melt
Specific gravity @ 25°C (77°F)	ASTM D1298	0.90
Dielectric strength Volts/mil, 50 mil gap	CTM 0114	400
Volume Resistivity Ohm-cm @ 23°C (73°F)		0.1 x 10 <sup>15</sup>
NLGI		2

DIRECTIONS:

- Clean mating surfaces.
- Apply evenly to surfaces.

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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