



TECHNICAL DATA SHEET
SUPER LUBE® SILICONE OIL

April 2016

PRODUCT DESCRIPTION:

Super Lube® Silicone Oil is a straight chained polydimethylsiloxanic fluid.

Super Lube® Silicone Oil offers a low variation in viscosity as a function of temperature, operating from -58°F to 392°F (-50°C to 200°C).

Super Lube® Silicone Oil has excellent peak and prolonged shear strength with high resistance to oxidation, hydrolysis and ageing. It is chemically inert with very limited combustibility.

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



FEATURES:

- ❖ High and low temperature stability
- ❖ Good combustion resistance
- ❖ Superior dielectric properties
- ❖ High compressibility
- ❖ Excellent oxidation resistance
- ❖ Shear stable
- ❖ Chemically inert
- ❖ High spreading and wetting capabilities
- ❖ NSF Registered (H1), #151067

TYPICAL APPLICATIONS:

- ❖ Dielectric fluids
- ❖ Damping fluids
- ❖ Heat transfer fluid
- ❖ Water repellant treatment
- ❖ Mold release agent
- ❖ Elastomer or plastic on metal lubricant
- ❖ High temperature oil baths

PACKAGE SIZES:

Part No.	Description
56104	4 oz. Bottle – 100 cSt
56101	1 gal. Bottle – 100 cSt
56105	5 gal. Pail – 100 cSt
56504	4 oz. Bottle – 5000 cSt
56501	1 gal. Bottle – 5000 cSt
56505	5 gal. Pail – 5000 cSt



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PROPERTIES:

Test	Characteristic	Rating
Color:		Clear
Temperature Range:		-58°F to 392°F (-50°C to 200°C)
Flashpoint:	Closed cup per Afnor T60103	>300°C
Specific Heat:	Joules/g @ 25°C	1.46
Thermal Conductivity:	Watt/m @ 25°C	0.16
Specific Gravity:	@ 25°C	0.97
Dielectric Constant:	25°C Between 0.5 and 100 kHz	2.80
Dielectric Strength:	kV/mm	16
Volume Resistivity:	Ohm/cm @25°C	1.10 ¹⁵

DIRECTIONS:

- Clean and dry area to be treated.
- Apply Super Lube® Silicone Oil.
- Re-apply as necessary.

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.



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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