



## TECHNICAL DATA SHEET

### SUPER LUBE® SYNTHETIC EXTRA LIGHTWEIGHT OIL

January 2019

#### PRODUCT DESCRIPTION:

Super Lube® Synthetic Extra Lightweight Oil is engineered for wide temperature applications.

Super Lube® Synthetic Extra Lightweight Oil exhibits excellent performance in high pressure vane, piston and gear pumps, providing longer life and optimum performance. It has excellent oxidation resistance allowing extension of oil filter intervals while assuring a clean system.

Super Lube® Synthetic Extra Lightweight Oil has excellent demulsibility qualities in applications where systems are contaminated with small amounts of water.

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



#### FEATURES:

- ❖ Viscosity stable
- ❖ Long lasting
- ❖ Reduces friction and wear
- ❖ Waterproof
- ❖ Superior at low temperatures
- ❖ Prevents rust and corrosion
- ❖ Wide temperature range
- ❖ Good water separation
- ❖ Environmentally friendly
- ❖ Biodegradable
- ❖ Kosher certified
- ❖ NSF Registered H1, #145717
- ❖ Superior Heat Transfer

#### TYPICAL APPLICATIONS:

- ❖ General light oil applications
- ❖ Textile spindles
- ❖ Grinder arbor bearings
- ❖ Ring oiled bearings
- ❖ Wick feeds
- ❖ Bottle and airline oilers
- ❖ Oil cups
- ❖ Enclosed chains
- ❖ Light circulating systems
- ❖ Food grade chain lubricant
- ❖ Food processing equipment
- ❖ Vacuum pump oil
- ❖ Hydraulic
- ❖ Spindle
- ❖ Circulating

#### PACKAGE SIZES:

Part No.	Description	Part No.	Description
53004	4 oz. Bottle	53040	1 Gallon Bottle
53008	8 oz. Bottle	53050	5 Gallon Pail
53020	1 Pint Bottle	53150	15 Gallon Keg
53030	1 Quart Bottle	53550	55 Gallon Drum



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**PROPERTIES:**

Test	Test Method	Rating
<b>Color:</b>		<b>Translucent</b>
<b>Temperature Range</b>		
<b>Continuous:</b>		-40°F to 500°F (-40°C to 260°C)
<b>Intermittent:</b>		-40°F to 650°F (-40°C to 343°C)
<b>Viscosity</b>		
<b>cSt @ 100°C:</b>	ASTM D445	8.4
<b>cSt @ 40°C:</b>	ASTM D445	43
<b>ISO Grade:</b>		46
<b>Replaces ISO Grades:</b>		68
<b>Replace SAE Grade Gear Oils</b>		75W
<b>Viscosity index</b>		175
<b>Specific Gravity:</b>	ASTM D1298	.89 @ 60°F
<b>Pour Point:</b>	ASTM D97	-40°F (-40°C) maximum
<b>Water, PPM:</b>	ASTM D1744	40 ppm
<b>Tan:</b>	ASTM D974	0.02 maximum
<b>Four Ball Test</b>	ASTM D2596 and D2783	
<b>Load Wear Index:</b>		27 kg
<b>Weld Point:</b>		130 kg
<b>Four Ball EP Test Scar Diameter:</b>	ASTM D2266 and D4172	< 0.5 mm
<b>Salt Spray Test (100 hrs.):</b>	ASTM B117	Pass
<b>Dielectric Loss:</b>	ASTM D924	1.2 x 10 <sup>12</sup>
<b>Dielectric Resistivity:</b>	ASTM D1169	1.7 x 10 <sup>12</sup>
<b>Dielectric Constant:</b>	ASTM D924	2.5
<b>Evaporation Loss</b>		
<b>22 hrs. @ 212°F (100°C)</b>	ASTM D972	< 2%
<b>Oxidation Stability, 100 hrs.:</b>	ASTM D942 and D943	4 psi
<b>Flash Point:</b>	ASTM D92	>450°F (232°C)
<b>Fire Point:</b>	ASTM D92	>525°F (300°C)
<b>Copper Corrosion</b>		
<b>24 hrs. @ 100°C:</b>	ASTM D4048 and D130	1A
<b>Acid Number:</b>	ASTM D664	0.5 mg KOH/g
<b>Biodegradability:</b>	CEC-L33-T82	50% degradability in 28-35 days 60+% degradability in 56 days



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**DIRECTIONS:**

- Clean area to be treated
- Apply oil

**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 data sheet. 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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