SYNCO CHEMICAL CORPORATION

TECHNICAL DATA SHEET
SUPER LUBE® SYNTHETIC LIGHTWEIGHT OIL — January 2020

PRODUCT DESCRIPTION:

Super Lube® Synthetic Lightweight Oil has a lower viscosity than Super Lube® Oil with Syncolon® (PTFE). It should be used in place of conventional 8 – 10 cSt oils.

Super Lube® Lightweight Oil is ideal for misting, dripping, spindle oil applications and as a food-grade chain lubricant and rust inhibitor.

Super Lube® 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
- Environmentally friendly
- Biodegradable
- Kosher certified
- NSF Registered H1, #136306
- Superior Heat Transfer

TYPICAL APPLICATIONS:

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

PACKAGE SIZES:

Part No.	Description
52004	4 oz. Bottle
52008	8 oz. Bottle
52020	1 Pint Bottle
52030	1 Quart Bottle
52040	1 Gallon Bottle
52050	5 Gallon Bottle
52150	15 Gallon Keg

24 DaVinci Drive, P.O. Box 405, Bohemia NY, 11716
T: (631) 567-5300 F: (631) 567-5359 E: info@super-lube.com

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52550	55 Gallon Drum

PROPERTIES:

Test	Test Method	Rating
Color:		Translucent
Temperature Range **Continuous:** **Intermittent:**		 -40°F to 500°F (-40°C to 260°C) -40°F to 650°F (-40°C to 343°C)
Viscosity **cSt @ 100°C:** **cSt @ 40°C:**	 ASTM D445 ASTM D445	 11 65
ISO Grade:		68
Replaces ISO Grades:		68-100
Replace SAE Grade Gear Oils		80W
Viscosity index	ASTM D227	161
Specific Gravity:	ASTM D1298	.82 @ 60°F
Pour Point:	ASTM D97	-40°F (-40°C) maximum
Water, PPM:	ASTM D1744	40 ppm
Tan:	ASTM D974	0.02 maximum
Four Ball Test **Load Wear Index:** **Weld Point:**	ASTM D2596 and D2783	 27 kg 130 kg
Four Ball EP Test Scar Diameter:	ASTM D2266 and D4172	< 0.5 mm
Salt Spray Test (100 hrs.):	ASTM B117	Pass
Dielectric Loss:	ASTM D924	1.2×10^{12}
Dielectric Resistivity:	ASTM D1169	1.7×10^{12}
Dielectric Constant:	ASTM D924	2.5
Evaporation Loss **22 hrs. @ 212°F (100°C)**	 ASTM D972	 < 2%
Oxidation Stability, 100 hrs.:	ASTM D942 and D943	4 psi
Flash Point:	ASTM D92	>450°F (232°C)
Fire Point:	ASTM D92	>525°F (300°C)
Copper Corrosion **24 hrs. @ 100°C:**	 ASTM D4048 and D130	 1A
Acid Number:	ASTM D664	0.5 mg KOH/g
Biodegradability:	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.

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

Made in USA