SYNCO CHEMICAL CORPORATION

TECHNICAL DATA SHEET

SUPER LUBE® MULTI-USE SYNTHETIC OIL WITH SYNCOLON® (PTFE) January 2021

PRODUCT DESCRIPTION:

Super Lube® Multi-Use Synthetic Oil is a premium synthetic oil with suspended Syncolon® (PTFE) particles that is used as a general-purpose lubricant for industrial machinery and equipment. Provides protection against friction, wear, rust and corrosion. Machinery lasts longer, downtime is reduced, and productivity is increased.

Super Lube® Multi-Use Synthetic Oil with Syncolon® (PTFE) is safe to use on metal, plastic, wood, leather, painted surfaces and most rubbers.

Super Lube® Multi-Use Synthetic Oil with Syncolon® (PTFE) is an NSF registered Food Grade Lubricant, rated H1 for incidental food contact. Meets former USDA (H1) guidelines.

FEATURES:

- Waterproof
- Food grade
- Clean
- Synthetic blend with Syncolon® (PTFE)
- Dielectric
- Reduces friction and wear
- Viscosity stable
- Rust and corrosion inhibitor
- Environmentally friendly
- Biodegradable
- Kosher certified
- NSF Registered H1, # 136742

TYPICAL APPLICATIONS:

- Plain, anti-friction and roller bearings
- Enclosed industrial gears
- Paper shredding machines
- Hinges, nuts and bolts
- Machine ways
- Machine tools
- Centralized lubricating systems
- Straight, helical, bevel and spiral gears
- Chains and cables
- Conveyors
- Gear head motors
- Reciprocating compressor lubricant additive
- Food processing equipment

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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PACKAGE SIZES:

Part No.	Description	Part No.	Description
51010	7 ml Precision Oiler (Blistered)	**51150**	15 Gallon Keg
51014	7 ml Precision Oiler (Bulk)	**51550**	55 Gallon Drum
51004	4 oz. Bottle	**51014/UV**	7 ml Precision Oiler (Bulk)
51008	8 oz. Bottle	**51004/UV**	4 oz. Bottle
51025	1 Pint Bottle	**51030/UV**	1 Quart Bottle
51030	1 Quart Bottle	**51040/UV**	1 Gallon Bottle
51040	1 Gallon Bottle	**51050/UV**	5 Gallon Pail
51050	5 Gallon Pail		

UV tracer validates the existence of the lubricant.

PROPERTIES:

Test	Test Method	Rating
Color:		Translucent
Temperature range **Continuous:** **Intermittent:**		 -45°F to 450°F (-43°C to 232°C) -50°F to 500°F (-45°C to 260°C)
Viscosity **cSt @ 100°C:** **cSt @ 40°C:**	 ASTM D445 ASTM D445	 15 118
ISO Grade:	ASTM D445	100
Replaces ISO Grades:		100 – 150
Replaces SAE Grade Gear Oils:		85W
Viscosity Index:	ASTM D2270	131
Specific Gravity:	ASTM D1298	.84 @ 60°F
Pour Point:	DSTM D97	-20°F (-29°C) maximum
Lbs./Gallon:		7.4 @ 60°F
Water, PPM	ASTM D1744	35 ppm
Tan:	ASTM D974	0.04 maximum
Four Ball Test **Load Wear Index:** **Weld Point:**	ASTM D2783	 21.2 kg 126 kg
Four Ball EP Test Scar Diameter:	ASTM D4172	0.47 mm
Salt Spray Test (100 hrs.)	ASTM B117	Pass
Dielectric Loss:	ASTM D924	1.2×10^{12}

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Dielectric Resistivity:	ASTM D1169	1.7×10^{14}
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
Timken OK Load:	ASTM D2782	40 lbs.
Flash Point:	ASTM D92	>428°F (220°C)
Fire Point:	ASTM D92	>572°F (300°C)
Copper Corrosion 24 hrs. @ 100°C	ASTM D130	1A
Acid Number:	ASTM D664	.5 mg KOH/g
Biodegradability:	CEC-L33-T82	50% degradability in 28-35 days 60+% degradability in 56 days

DIRECTIONS:

- Wipe areas to be treated.
- Apply enough oil to coat all areas of contact.
- Re-apply as needed.

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 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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