



## TECHNICAL DATA SHEET

### SUPER LUBE® MULTI-PURPOSE SYNTHETIC GREASE WITH SYNOLON® (PTFE)

April 2021

#### PRODUCT DESCRIPTION:

Super Lube® Grease is a patented synthetic heavy-duty, multi-purpose lubricant with Synolon® (PTFE). Synthetic base fluids and the addition of Synolon® (PTFE) micro powders combine to form a premium lubricant that provides longer life protection against friction, wear, rust and corrosion. Machinery lasts longer, downtime is reduced and productivity is increased.

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

Super Lube® Grease offers good mechanical stability, does not evaporate or form gummy deposits. It will not melt or separate.

There is no Silicone in Super Lube® Multi-Purpose Grease with Synolon® (PTFE). It is safe for use in paint spraying and finishing operations.



#### FEATURES:

- ❖ Dielectric
- ❖ Food grade and clean
- ❖ Will not drip, run or evaporate
- ❖ Impervious to salt water, safe in potable water
- ❖ Long lasting
- ❖ Prevents rust and corrosion while reducing friction
- ❖ Wide temperature range
- ❖ Compatible with most other greases
- ❖ Excellent water resistance and rust inhibiting properties
- ❖ Outlasts conventional greases 3 to 4 times
- ❖ NSF Registered (H1), # 096790
- ❖ Environmentally friendly
- ❖ Biodegradable
- ❖ NLGI GC-LB Approved for Grade 2 only
- ❖ Kosher Certified

#### TYPICAL APPLICATIONS:

- ❖ Plain, anti-friction, ball, roller, wheel bearings
- ❖ Cams, slides, valves, conveyors, chains
- ❖ O-ring lubrication
- ❖ Food processing equipment
- ❖ Caliper assembly and bearing grease
- ❖ Hubs, axles, chassis, shocks, springs
- ❖ Seat regulators and tracks
- ❖ Fifth wheels
- ❖ Parts lubricant
- ❖ Winches, pulleys, snaps
- ❖ Trailer and buddy bearings
- ❖ Dielectric applications, battery protector
- ❖ Campers, trailers, bicycles, guns, fishing gear, motorcycles, hunting gear
- ❖ Weight and fitness equipment
- ❖ Linkages, hinges and locks
- ❖ Lawn mowers, garage doors, snow blowers, sewing machines
- ❖ Faucets and pool pumps
- ❖ Garden and farm equipment



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PACKAGE SIZES:

| Description              | Part Numbers |              |              |               |                |
|--------------------------|--------------|--------------|--------------|---------------|----------------|
|                          | NLGI-Grade 2 | NLGI-Grade 1 | NLGI-Grade 0 | NLGI-Grade 00 | NLGI-Grade 000 |
| 1 cc Packet              | 82340        | -            | -            | -             | -              |
| 6 cc Syringe             | 21006        | -            | -            | -             | -              |
| ½ oz. Tube – Blistered   | 21010        | -            | -            | -             | -              |
| ½ oz. Tube               | 21014        | -            | -            | -             | -              |
| 1 oz. Bellow-Blistered   | 21020        | -            | -            | -             | -              |
| 3 oz. Tube               | 21030        | -            | -            | -             | -              |
| 3 oz. Cartridge          | 21036        | -            | -            | -             | -              |
| 14.1 oz. Cartridge       | 41150        | 41150/1      | 41150/0      | 41150/00      | 41150/000      |
| 14.1 oz. Canister        | 41160        | 41160/1      | 41160/0      | 41160/00      | 41160/000      |
| 450 ml. Bellow Cartridge | 41580        | 41580/1      | 41580/0      | -             | -              |
| 5 lb. Pail               | 41050        | 41050/1      | 41050/0      | 41050/00      | 41050/000      |
| 30 lb. Pail              | 41030        | 41030/1      | 41030/0      | 41030/00      | 41030/000      |
| 120 lb. Keg              | 41120        | 41120/1      | 41120/0      | 41120/00      | 41120/000      |
| 400 lb. Drum             | 41140        | 41140/1      | 41140/0      | 41140/00      | 41140/000      |

Product also available in 6 oz. and 11 oz. Aerosol

| Part Numbers – UV Tracer |          |
|--------------------------|----------|
| Description              | Part No  |
| 14.1 oz. Cartridge       | 41150/UV |
| 14.1 oz. Canister        | 41160/UV |
| 5 lb. Pail               | 41050/UV |
| 30 lb. Pail              | 41030/UV |

UV tracer validates the existence of the lubricant

PROPERTIES:

| Test                 | Test Method | Rating                                   |
|----------------------|-------------|--|
| NLGI Grade:          | ASTM D217   | 2, 1, 0, 00, 000                         |
| NLGI Classification: | ASTM D4950  | <a href="#">GC-LB* (Only for NLGI 2)</a> |
| Color:               |             | Translucent White                        |
| Temperature Range:   |             | -45°F to 450°F (-43°C to 232°C)          |
| Viscosity (Base Oil) |             |  |
| cSt @ 100°C:         | ASTM D445   | 8  |
| cSt @ 40°C:          | ASTM D445   | 69                                       |
| Specific Gravity:    | ASTM D1298  | .89 @ 60°F                               |
| Water, PPM:          | ASTM D1744  | 35 ppm                                   |
| Tan:                 | ASTM D974   | 0.04 maximum                             |



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|   |             |  |
|---|-------------|--|
| <b>Dropping Point:</b>                    | ASTM D2265  | >550°F (287°C)   |
| <b>Penetration, worked (60 strokes)</b>   | ASTM D217   | 265-295 mm/10  |
| <b>Four Ball Test</b>                     |             |  |
| <b>Load wear index:</b>                   | ASTM 2596   | 70.63 kgf  |
| <b>Weld point:</b>                        |             | 400 kg   |
| <b>Four ball EP Scar Diameter:</b>        | ASTM D2266  | < 1.0 mm   |
| <b>Low Temperature Torque @ -54°C</b>     |             |  |
| <b>Starting:</b>                          | ASTM D1478  | 0.27 N-m (0.37 in-lbs.)  |
| <b>10 minute running:</b>                 | ASTM D1478  | 0.08 N-m (0.11 in-lbs.)  |
| <b>1 hour running:</b>                    | ASTM D1478  | 0.006 N-m (0.09 in-lbs.)   |
| <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>14</sup>   |
| <b>Dielectric Constant:</b>               | ASTM D924   | 2.5  |
| <b>Oil Separation:</b>                    | ASTM D6184  | < 2%   |
| <b>Evaporation Loss</b>                   |             |  |
| <b>22 hrs. @ 212°F (100°C):</b>           | ASTM D972   | <1%  |
| <b>Oxidation Stability - 100 hrs.</b>     | ASTM D942   | 0.5 psi drop   |
| <b>Timken OK Load:</b>                    | ASTM 2509   | 40 lbs.  |
| <b>Flash Point:</b>                       | ASTM D92    | >428°F (220°C)   |
| <b>Fire Point:</b>                        | ASTM D92    | >572°F (300°C)   |
| <b>Wheel Bearing Leakage:</b>             | ASTM D1263  | < 1.0 g  |
| <b>Water Washout (max.):</b>              | ASTM 1264   | < 1%   |
| <b>Copper Corrosion - 24 hrs. @ 100°C</b> | ASTM D4048  | 1B, shiny  |
| <b>Acid Number:</b>                       | ASTM D664   | .5 mg KOH/g  |
| <b>Biodegradability</b>                   | CEC-L33-T82 | 50% degradability in 28-35 days<br>60+% degradability in 56 days |

\*GC-LB Wide temperature grease for use in components such as bearings, chassis and universal joints in passenger cars, trucks and other vehicles under mild and severe duty. This includes vehicles operated under frequent stop-and-go service (buses, taxis, urban police cars, etc.), or under severe braking service (trailer towing, heavy loading, mountain driving, etc.) (see ASTM D4950).

**DIRECTIONS:**

- Clean and dry area/equipment to be treated.
- When using on bearings, wipe grease fittings clean before pumping grease to avoid contamination. Do not over-grease, as excessive heating may result. Fill bearing 1/3 to 1/2 full normally and monitor to establish a regular maintenance schedule. Periodically clean and repack bearings with fresh grease.
- For best results, we recommend purging other greases before using our product.
- Re-apply as necessary.
- Not for use in a pure oxygen environment.



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#### 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.



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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