



TECHNICAL DATA SHEET

SUPER LUBE® SYNTHETIC GEAR OIL

April 2021

PRODUCT DESCRIPTION:

Super Lube® Synthetic Gear Oils are a premium quality, extreme pressure gear oil with excellent load carrying capacity.

Super Lube® Synthetic Gear Oils are NSF Food Grade Rated H1. Safe for incidental food contact.



FEATURES:

- ❖ Dielectric
- ❖ Food grade
- ❖ Clean
- ❖ Forms heavy film to lubricate and cushion gear teeth
- ❖ Superior anti-wear properties
- ❖ Prevents rust and corrosion
- ❖ Excellent anti-oxidation resistance
- ❖ Separates readily from water
- ❖ Extreme pressure protection
- ❖ Environmentally friendly
- ❖ Biodegradable
- ❖ Kosher certified
- ❖ NSF Registered (H1), # 136745

TYPICAL APPLICATIONS:

- ❖ Spur gear
- ❖ Helical
- ❖ Herringbone
- ❖ Rack and pinion
- ❖ Worm gears
- ❖ Straight and spiral bevel
- ❖ Chain drive
- ❖ Circulating systems
- ❖ High temperature chains
- ❖ Oil lubricated bearings
- ❖ Gear boxes
- ❖ Electrical submersible pumps

PACKAGE SIZES:

| Part No. | Description | Part No. | Description | Part No. | Description |
|----------|-------------------------|----------|-------------------------|----------|-------------------------|
| 54100 | 1 Quart Bottle ISO 150 | 54300 | 1 Quart Bottle ISO 320 | 54632 | 1 Quart Bottle ISO 680 |
| 54101 | 1 Gallon Bottle ISO 150 | 54301 | 1 Gallon Bottle ISO 320 | 54601 | 1 Gallon Bottle ISO 680 |
| 54105 | 5 Gallon Pail ISO 150 | 54305 | 5 Gallon Pail ISO 320 | 54605 | 5 Gallon Pail ISO 680 |
| 54155 | 55 Gallon Drum ISO 150 | 54355 | 55 Gallon Drum ISO 320 | 54655 | 55 Gallon Drum ISO 680 |
| 54200 | 1 Quart Bottle ISO 220 | 54432 | 1 Quart Bottle ISO 460 | | |
| 54201 | 1 Gallon Bottle ISO 220 | 54401 | 1 Gallon Bottle ISO 460 | | |
| 54205 | 5 Gallon Pail ISO 220 | 54405 | 5 Gallon Pail ISO 460 | | |
| 54255 | 55 Gallon Drum ISO 220 | 54455 | 55 Gallon Drum ISO 460 | | |



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PROPERTIES:

| Test | Test Method | Rating | | | | |
|--|-------------|--|---------|---------|---------|---------|
| | | ISO 150 | ISO 220 | ISO 320 | ISO 460 | ISO 680 |
| Color: | | Translucent clear | | | | |
| Temperature range: | | -40°F to 450°F (-40°C to 232°C) | | | | |
| Viscosity Index: | ASTM D567 | 131 | 141 | 144 | 146 | 141 |
| 4-Ball EP, Weld Point: | ASTM D2783 | 315 kg | 315 kg | 315 kg | 315 kg | 315 kg |
| 4-Ball scar: | ASTM D4172 | 0.46 mm | 0.44 mm | 0.39 mm | 0.44 mm | 0.38 mm |
| Copper Corrosion: | ASTM D130 | 1B | 1B | 1B | 1B | 1B |
| Dielectric Strength @ 25°C, kV: | | >30kV | >30kV | >30kV | >30kV | >30kV |
| Biodegradability | CEC-L33-T82 | 50% degradability in 28-35 days 60+% degradability in 56 days | | | | |

DIRECTIONS:

- Check to make sure the correct ISO viscosity is used based on manufacturers specification.
- Shake/stir container.
- While adding oil use care not to contaminate the 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

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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