



Product Information

SE60-2012 VOC Exempt Lubricant (water-based)

60% Active Silicone: to dilute, simply add water



SE60-2012 VOC Exempt Lubricant is a water-based silicone that is formulated to lubricate plastic and rubber parts. It contains no solvents and can be used on hot surfaces.

SE60-2102 VOC Exempt Lubricant is a non-flammable, non-toxic and non-reactive silicone emulsion that is comprised of 60% active silicone (Polydimethylsiloxane fluid). It is exempt from federal VOC regulations including California CARB, South Coast Air Quality and OTC.

SE60-2012 VOC Exempt Lubricant is compatible with virtually all plastic and rubber surfaces including EPDM, Neoprene, Natural Rubber, Teflon, virgin, Butyl, Nitrile, Styrene Butadiene, Buna-N, PVC, LDPE, HDPE.

SE60 is a concentrate that can be diluted by simply adding water. One gallon can make 10-gallons of finished product by simply adding water. In comparison to an aerosol, SE60-2012 is significantly less expensive and does not have the combustion hazard of aerosol products. It can be used on hot surfaces without the concerns of flashing. Unlike an aerosol, there are no restrictions to ship SE60-2012 via ground, air or ocean.

For lubricating plastic and rubber parts/components, there is no better choice than a silicone-based product. The active ingredient of SE60-2012 is Polydimethylsiloxane, which is composed of 100% synthetic material. Unlike conventional petroleum and glycol-based products, silicone fluids are compatible with virtually all plastic and rubber materials including EPDM, Neoprene, Natural Rubber, Teflon, virgin, Butyl, Nitrile, Styrene Butadiene, Buna-N, PVC, LDPE, HDPE.

Although silicones are not recommended for metal-to-metal applications, they are strongly recommended for metal-to-plastic and metal-to-rubber applications.

Features

- 60% Silicone Solids
- NonylPhenol Free!!
- Non-Flammable
- Excellent Lubricity
- Stable at High Temperatures
- Concentrated to save you money
- VOC and OTC Compliant
- Skin Safe – contains no solvents

Applications

- | | |
|---------------------------------|----------------------------------|
| <i>Rubber Lubricant</i> | <i>Grommet Lubricant</i> |
| <i>Plastic Lubricant</i> | <i>O-Ring Lubricant</i> |
| <i>Natural Rubber Lubricant</i> | <i>Rubber Tube Lubricant</i> |
| <i>Epdm Lubricant</i> | <i>Rubber Assembly Lubricant</i> |
| <i>Natural Rubber Lubricant</i> | <i>Polyethylene Lubricant</i> |
| <i>Rubber Hose Lubricant</i> | <i>Saran Lubricant</i> |
| <i>Polyethylene Lubricant</i> | <i>Pilofilm Lubricant</i> |
| <i>Cellophane Lubricant</i> | <i>Rubber Belt Lubricant</i> |
| <i>Gasket Lubricant</i> | <i>Vinyl Lubricant</i> |

Typical Properties

Product code	SE60-2012
Emulsifier Type	Nonionic
Silicone Content	60% Polydimethylsiloxane
Viscosity of Silicone	350cSt
Specific Gravity	0.99
Color	White
Diluent	Water
Storage	12 months
*Recommended Dilution Ratio	1-Part Concentrate to 9 parts water = 6 % silicone solids in finished product.

**Some applications may require different ratio of Silicone to water.*

Packaging

1-gallon.....	8lb / 3.6kg
5-gallon pail.....	40lbs / 18kg
55-gallon fiber drum.....	450 lbs / 204kg
F.O.B. Phila, PA U.S.A.	

For More Information, Contact:

Clearco Products Co., Inc.

Bensalem, PA 19020
U.S.A.

Tel: 215 639-2640

Fax: 215 639-2919

Email: info@clearcoproducts.com

Web: www.clearcoproducts.com

CAS Information

Polydimethylsiloxane.....	63148-62-9
Water.....	7732-18-5
Ethoxylated Isoalcohols.....	78330-21-9
* Does Not contain nonyl-phenol content.	

Instructions for Use

A recommended dilution ratio is 9-parts water to 1-part concentrate which provides a 6% active final formulation. SE60-2012 Silicone Emulsion. can be applied by brushing, wiping or spraying.

Final Properties

Upon evaporation, the product will form a thin film of silicone oil.

Note: Although SE60-2012 Silicone Emulsion has a milky-white appearance, it will impart a clear-translucent film after the water evaporates.

Hard Water Dilution

Silicone emulsions are generally stable in hard water. However, should the water supply be of 200ppm hardness or higher, softened water or boiled condensate is recommended as a diluent. Dilution of the emulsion with water may result in the need for additional bacteriostat/fungistat to counteract possible microbial activity. It is recommended that each user evaluate the diluted emulsion before putting it into use. Depending on the specific applications and dilution level, it may be necessary to use additional bacteriostat/fungistat in the diluted product.

Freeze/thaw Stability

Clearco SE60-2012 Silicone Emulsion is a Group II emulsion. If freezing has occurred, the recommended procedure is to thaw the emulsion completely before stirring. "Properly thawed" means that the emulsion has completely melted (at less than 66°C/150°F) to a liquid state before any agitation of the product is attempted. Once thawed and agitated, a sample should be taken from the container to observe its physical appearance as compared to the standard material.

It is recommended to take necessary precautions during transportation to prevent freezing.

Storage

The shelf-life of Clearco SE60-2012 Silicone Emulsion is approximately 12-months from date of shipment. It is recommended to store containers at temperatures between 4°C to 27°C (40°F to 80°F).



For More information, Contact:

Clearco Products Co., Inc.

3430 G. Progress Drive
Bensalem, PA 19020
U.S.A.

Tel: 215 639-2640

Fax: 215 639-2919

Email: info@clearcoproducts.com

Web: www.clearcoproducts.com