



## Product Information

# SE60 Rubber & Plastic Lubricant (water-based)

**60% Active Silicone: to dilute, simply add water**



*SE60 Rubber & Plastic 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 Rubber and Plastic Lubricant** is a water-based silicone that is formulated to lubricate rubber and plastic parts.

Unlike other rubber/plastic lubricants, **SE60 Rubber and Plastic Lubricant** contains no solvents or petroleum distillates. Rather, SE60 is a silicone emulsion that is comprised of 60% active silicone which can be diluted by simply adding water. One (1) gallon can make ten (10) gallons of finished product by simply adding water.

With no solvents present, SE60 is a non-flammable and preferred for use on hot surfaces or where an ignition source is present.

For lubricating plastic and rubber parts/components, there is no better choice than a silicone-based product. The active ingredient of SE60 Rubber & Plastic Lubricant is Polydimethylsiloxane Silicone. 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.

Further, **SE60 Rubber and Plastic Lubricant** is exempt from federal VOC regulations including California CARB and OTC regulations.

### 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

- Rubber Lubricant
- Plastic Lubricant
- Natural Rubber Lubricant
- Epdm Lubricant
- Natural Rubber Lubricant
- Rubber Hose Lubricant
- Polyethylene Lubricant
- Cellophane Lubricant
- Gasket Lubricant
- Grommet Lubricant
- O-Ring Lubricant
- Rubber Tube Lubricant
- Rubber Assembly Lubricant
- Polyethylene Lubricant
- Saran Lubricant
- Pilofilm Lubricant
- Rubber Belt Lubricant
- Vinyl Lubricant

### 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
4 x 1-gallons	
5-gallon pail.....	40lbs / 18kg
55-gallon fiber drum.....	450 lbs / 204kg

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### **For More Information, Contact:**

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**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).



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