



Product Information

SE60-2012 Silicone Emulsion NPF (NonylPhenol Free)

60% Active PDMS Silicone Emulsion: to dilute, simply add water



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

SE60-2012 Silicone Emulsion NPF is a 60% active emulsion that is comprised of 350cSt PDMS Silicone / Polydimethylsiloxane (CAS# 63148-62-9). The fluid is a non-flammable, non-toxic Silicone Emulsion that is safe to use in an open environment. To dilute, simply add tap water.

The product was reformulated and is NonylPhenol Free. Further, SE60-2012 is exempt from federal VOC regulations including California CARB and OTC regulations.

SE60-2012 Silicone Emulsion is primarily used as a lubricant and release agent for applications involving plastics, rubber and polyurethane/polystyrene foams. It is also widely used for the following applications:

- release agent for manufacturing rubberized belts
- lubricant to prevent wear and increase abrasion resistance to latex rubber
- release agent in the printing industry
- lubricant for yarn and sewing threads to eliminate friction and tension,
- finish to improve water-repellency and scuff resistance for leather, vinyl and foam upholstery
- provide shine in tire dressing formulations.

Features

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

CAS Information

Polydimethylsiloxane.....	63148-62-9
Water.....	7732-18-5
Ethoxylated Isoalcohols.....	78330-21-9

** Does Not contain nonyl-phenol content.*

Typical Properties

Product code	SE60-2012
Emulsifier Type	Nonionic
Silicone Content	60% PDMS Silicone / Polydimethylsiloxane
Viscosity of Silicone	350cSt
Specific Gravity	0.99
Color	White
Diluent	Water
Shelf-life	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

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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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