



SE60-2021 Silicone Emulsion NPF

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



Note: Although SE60-2021 Silicone Emulsion has a milky-white appearance, it will impart a clear-translucent film after the water evaporates.

SE60-2021 Silicone Emulsion is a silicone emulsion that is comprised of 60% active PDMS Silicone oil (CAS# 63148-62-9) with a viscosity of 350cSt. It contains no solvents or petroleum distillates and is safe to use in an open environment. To dilute, simply add tap water.

SE60-2021 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:

- Light duty lubricant for plastic and rubber parts
- release agent for manufacturing rubberized belts
- Lubricant to prevent wear and increase abrasion resistance to latex rubber
- release agent in the printing industry
- Mold release agent for rubber, tires and plastics as well as foundry materials
- 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.

The surfactant package is NPF, NonylPhenol Free.

Features

- 60% active PDMS Silicone oil
- Small particle size <1micron providing good stability
- Non-Flammable
- Low viscosity provides good wetting and less streaking
- Excellent Lubricity
- Excellent Release Agent for plastic and rubber parts
- Stable at High Temperatures
- Concentrated to save you money
- Skin Safe: contains no solvents

Packaging

1-gallon.....	8.18lb / 3.7kg net wt.
5-gallon pail.....	40.9lbs / 18.5kg net wt.
55-gallon fiber drum.....	440 lbs / 200kg net wt.

F.O.B. Phila, PA U.S.A.

Typical Properties

Product code	SE60-2021
Emulsifier Type	Nonionic
Silicone Content	60% PDMS Silicone / Polydimethylsiloxane
Viscosity of active PDMS Silicone oil	350cSt
Specific Gravity	0.99
Color	White
Diluent	Water
Shelf-life	18 x months from DofM
*Recommended Dilution Ratio	One (1) x Part Concentrate to nine (9) x parts water = 6 % silicone solids in finished product.

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

CAS Information

Chemical Name	CAS No
Polydimethylsiloxane	63148-62-9
Water	7732-18-5
Secondary alcohols, ethoxylated	69011-36-5

For More Info, Contact: Clearco Products Co., Inc.

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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. SE60-2021 Silicone Emulsion can be applied by brushing, wiping or spraying.

Final Properties:

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

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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 SE60-2021 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 in cold weather months to prevent freezing.

Storage:

The shelf-life of Clearco SE60-2021 Silicone Emulsion is approximately eighteen (18) x months from date of manufacture. It is recommended to store in a closed container at temperatures between 4°C to 27°C (40°F to 80°F).



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