



## Product Information

### CLEARCO WHITE SILICONE Concentrate #60

**60% Concentrate: water-based silicone**



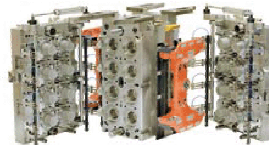
60% Solids –dilute with water

Clearco White Silicone Concentrate #60 is Non-Flammable, Non-Toxic Silicone Emulsion that is safe to use in an open environment. Clearco White Silicone contains 60% Silicone Solids. To dilute, simply add tap water.

CWSC #60 is primarily used as a lubricant and release agent for applications involving plastics, rubber and polyurethane/polystyrene foams. It can also be used as a release agent for manufacturing rubberized belts, as a lubricant to prevent wear and increase abrasion resistance to latex rubber, as a release agent in the printing industry, as a lubricant for yarn and sewing threads to eliminate friction and tension, and as a finish to improve water-repellency and scuff resistance for leather, vinyl and foam upholstery.



Provides scuff resistance to leather, & vinyl upholstery



Excellent release agent for plastics & rubbers



Reduces friction to sewing threads.

### Features

- 60% Silicone Solids
- Excellent Lubricity
- Stable at High Temperatures
- Concentrated to save you money

### CAS Information

Octylphenoxypolyethoxyethanol.....	9036-19-5
Polydimethylsiloxane.....	63148-62-9
Ethoxylated Nonyl Phenol.....	9016-45-9
Water.....	7732-18-5

### Typical Properties

Packing:	5-gallon cube, 55-gallon drums
Emulsifier Type	Nonionic
Silicone Content	60%
Viscosity of Silicone	350cSt
Specific Gravity	0.99
Weight	8.2 lbs. per gallon
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 % of silicone to water.

### Applications

**Mold Release:** provides multi-part release of plastics, foams and latex rubbers – excellent release agent for plastic molds

**Printing Industry:** used as a release agent for offset press applications

**Textiles / Sewing:** possesses excellent anti-friction properties for sewing thread and reduces sewing needle heat. It is also used as a textile-finish additive for yarn to reduce friction and tension.

**Upholstery:** allows polyurethane foam to slide easily on tabletops and is an excellent lubricant for stuffing foam cushions.... provides scuff resistance and water repellency for leathers, vinyl's & upholstery foam.

**Cutting Knives:** excellent lubricant for cutting knives.

**For More Information or to Request a Sample, Contact:**

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## Instructions for Use

Normally use at a concentration of 0.2% >. A 2.0% silicone concentration is an excellent starting point for evaluating these products in new applications. Clearco #60 can be applied by brushing, wiping or spraying.

## Final Properties

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

## 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 White Silicone Concentrate #60 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 White Silicone #60 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).

# CLEARCO

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