

EcwaSil SE60-HG High Gloss Silicone Emulsion Silicone in water emulsion - (60% internal phase)

EcwaSil SE60-HG(HIGH GLOSS) is a Medium to High viscosity (1000cSt) Polydimethylsiloxane (Silicone Fluid) Emulsion, allowing for a Larger Oil Molecule, resulting in a Higher Gloss. It is Safe to handle and does Not contain any Phenol Ethoxylates nor Formaldehyde. As such, **EcwaSil SE60-HG** is Also Environmentally Acceptable.

EcwaSil SE60-HG(HIGH GLOSS) is:

- Suitable for use in Automobile, Furniture and Shoe Polish Formulations, the Intermediate Viscosity & Larger Oil Molecule of this product provides High Gloss with Minimum Smear to Polish Formulations.
- Compatible with most Other Silicone Emulsions, should Blending be required.
- Can be used where Water-based Release Agents and Lubricants are Suitable.
- Suitable in Offset Web Printing, where Low Surface Tension provides for Better Penetration of the Paper.

Chemical Identification & Physical properties

Active Ingredients:	Medium to High viscosity Polydimethylsiloxane (PDMS)- 1000cSt- and proprietary emulsifiers.
Active content:	60 - 61% w/w.
Appearance:	White, opaque fluid - slightly viscous.
pH (as manufactured):	6.0 - 8.0
Odour:	Mild
S.G. (at 20°C):	0.986 - 0.988 g/cm ³
Solubility:	Soluble in water.
Stability in formulation:	Stable at pH 3.0 - 9.0
Shelf Life as supplied:	At least 1 year at ambient conditions. At least 6 months at 40°C.



This data does not represent a specification - please see current "Certificate of Analysis". For further data please also request a copy of the MSDS (Material Safety Data Sheet)

Features

- Very High Gloss and Water Repellence.
- High Abrasion Resistance on surfaces treated.
- Very Good Lubrication properties.
- Excellent Resistance to Adhesion.

Packaging

EcwaSil SE60-HG is available in:

- 25 Kg HDPE blowpack
- 200 Kg HDPE blowpack
- 1000 Kg IBC (Flowbin)

Usage

EcwaSil SE60-HG is stable when diluted, with water, at ratios of 1:2 (33.3% of formulation) right up to 1:200 (0.5% of formulation). Lesser dilution (i.e.-1:1 or 50% can exhibit a slight creaming after 5 days, but gentle agitation will reconstitute the product and/or prevent it from happening. Although the inclusion of other surfactants and/or salts is not anticipated in silicone formulations, **EcwaSil SE60-HG** can tolerate some addition of these elements, but final product stability testing is recommended.

Disclaimer / Non-warranty

This product has been subjected to limited stability tests and has been shown to perform well. However formulators should establish their own long term stability and functionality tests. The information contained herein is to our best knowledge true and accurate, but since the conditions of use are beyond our control, Ecwamix Chemical Systems cc. disclaims any liability in connection with the use of this product and/or information. Warranty extends only as far as to the replacement of material shipped if not compliant with the specification as set out in the attached "Certificate of Analysis" and within the expiry period of the said product. All recommendations or suggestions are made without guarantee. It is good practice to conduct one's own safety/stability tests on all final Formulations prior to marketing.

Ecwamix

Chemical Systems