



Published on: 01/12/2010  
Reviewed on: 01/10/2022

# EcwaSil SE60-HG

## TECHNICAL DATA SHEET

### DESCRIPTION

**EcwaSil SE60-HG** is a 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 safe to handle and does not contain any Phenol Ethoxylates nor Formaldehyde. As such, **EcwaSil SE60-HG** is also environmentally acceptable.

### FORMULATION/COMPOSITION

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.

### PROPERTIES/APPLICATIONS/USE

**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.

### PHYSICAL & CHEMICAL PROPERTIES

<b>Appearance</b>	White, opaque fluid - slightly viscous.	<b>Active Ingredients</b>	Medium to High viscosity (1000cst) Polydimethylsiloxane (PDMS), and Proprietary Emulsifiers.
<b>Odour</b>	Mild	<b>Stability in formulation</b>	Stable at pH 3.0 - 9.0
<b>S.G. (at 20°C)</b>	0.986 - 0.988 g/cm <sup>3</sup>	<b>% Active Content</b>	60 - 61%
<b>Solubility</b>	Soluble in Water		
<b>pH (as manufactured)</b>	6.00 -8.00		

This data does not constitute a specification - please see current "Certificate of Analysis".

### MANUFACTURER/SUPPLIER

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### SAFETY & HANDLING

Always consult the Material Safety Data Sheet before Use



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## **EcwaSil SE60-HG**

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#### **FEATURES**

High gloss and water repellence.  
High abrasion resistance on surfaces treated.  
Good lubrication properties.  
Excellent resistance to adhesion.

#### **STORAGE**

At least 1 year at ambient conditions.  
At least 6 months at 40°C.

#### **PACKAGING**

**EcwaSil SE60-HG is available in**

25 Kg - HDPE BLOWPACK  
200 Kg - HDPE BLOWPACK  
1000 Kg - IBC (FLOBIN)

#### **DISCLAIMER / NON-WARRANTY**

This product has been subjected to limited tests and has been shown to perform well. 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 application tests on a small area prior to using the product.



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