

EcwaSil SE 60

SILICONE EMULSION: Silicone in water emulsion - 60% internal phase

EcwaSil SE60 - Is a Medium Viscosity (350cSt) Polydimethylsiloxane (Silicone Fluid) Non-Ionic Emulsion. It is safe to handle and does not contain any Phenol Ethoxylates nor Formaldehyde. As such, **EcwaSil SE60** is also environmentally acceptable.

EcwaSil SE60 is:

- Ideal as Lubricity Aid in Offset Web Printing, where Low Surface Tension provides for Better Penetration of the paper.
- Suitable for use in Automobile, Furniture and Shoe Polish Formulations - the Intermediate Viscosity of this product provides Good 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, such as Plastics, Rubber and Similar Materials.
- Imparts excellent Water Repellency at Higher Dilution Levels.

Chemical Identification & Physical properties

Active Ingredients:	Medium viscosity(350cst) Polydimethylsiloxane (PDMS), and Proprietary non-ionic 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):	0.982 - 0.986 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

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

Packaging

EcwaSil SE 60 is available in:
25 Kg HDPE blowpack
200 Kg HDPE blowpack
1000 Kg IBC (Flowbin)

Usage

EcwaSil SE 60 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 SE 60** 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.

