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# EcwaSil DF100

## TECHNICAL DATA SHEET

### DESCRIPTION

100% Active Silicone & Silicate Type Antifoam/ Defoamer.

### FORMULATION/COMPOSITION

**EcwaSil DF100** is a general purpose Anti-Foamer/Defoamer for use in a wide variety of Non-Aqueous & Aqueous Systems that are prone to foaming and aeration. They consist primarily of Polydimethylsiloxane (Silicone Fluid) and Hydrophobic Silica. These components are practically inert and endow **EcwaSil DF100** with an ability to Rapidly Knockdown and Control Foam as well as Aiding De-Aeration. This can all be achieved at very low dosages thus little or no negative effect is seen within the system being treated. **EcwaSil DF100** is safe to use and handle and is environmentally acceptable.

### PROPERTIES/APPLICATIONS/USE

**EcwaSil DF100** be dispersed neat into systems containing high levels of Solvent or Surfactant, providing that Sufficient Agitation is present to aid a more Rapid Dispersion into the foaming medium, it is preferable to Pre-Disperse the **EcwaSil DF100** into a Non-Polar Solvent (e.g.- Kerosine, Toluene, Xylene, White Spirits, Ethyl Acetate or MIBK). Agitation is always necessary to provide even distribution and best De-Foaming effect. The actual dosage of anti-foam required can only be established by experimentation, and will depend on such factors as: Surfactant Type & Concentration, Temperature and Level of Agitation/Aeration. **EcwaSil DF100** is generally effective from levels as low as 0.01%.

### PHYSICAL & CHEMICAL PROPERTIES

<b>Appearance</b>	Grey, translucent - Viscous	<b>Active Ingredients</b>	Polydimethylsiloxane and Silica
<b>Odour</b>	Mild	<b>Total Solids content</b>	7%
<b>S.G. (at 20°C)</b>	0.99 - 1.1 g/cm <sup>3</sup>	<b>% Active Content</b>	100%
<b>Solubility</b>	Insoluble in water. Soluble in most non-polar & polar solvents	<b>Emulsifier Type</b>	N/A
<b>pH (as manufactured)</b>	N/A		

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

### MANUFACTURER/SUPPLIER

Ecwamix Chemical Systems (Pty) Ltd  
3 Granville Avenue Lea Glen Roodepoort, Gauteng South Africa

**Information**  
Tel: (o/h) +27 011 472 2256 Fax: +27 011 472 2121  
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**Emergency contact:**  
Office hours: 011 472 2256



### SAFETY & HANDLING

Always consult the Material Safety Data Sheet before Use



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## **EcwaSil DF100**

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#### **FEATURES**

Effective in Dry Powder, Non-Aqueous and Aqueous Systems.  
Immediate foam control action.  
Excellent De-Aeration.  
Persistent foam control action.  
Effective & Economical at very low dosage.  
Stable, thixotropic rheology & Safe to handle.

#### **STORAGE**

6 months at ambient conditions.

**NOTE:** Diluted solutions of **EcwaSil DF100** will have no long-term storage stability.

#### **PACKAGING**

**EcwaSil DF100 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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Always consult the Material Safety Data Sheet before Use