

EcwaSil DF 100

100% Active Silicone & Silicate
Type Antifoam/Defoamer

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.

Chemical Identification & Physical properties

	<u>EcwaSil DF100</u>
Active Ingredients:	Polydimethylsiloxane and Silica.
Active content (w/w):	100%
Total Solids Content:	7%
Appearance:	Grey, translucent - Viscous.
pH (as manufactured):	N/A
Odour:	Mild
S.G. (at 20°C):	0.99 - 1.1 g/cm ³
Solubility:	Insoluble in water. Soluble in most non-polar & polar solvents
Emulsifier Type:	N/A
Shelf Life as supplied:	6 months at ambient conditions.

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

- 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.

NB - 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 (Flowbin)

Usage

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%.

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

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Web: www.ecwamix.co.za

- 3 Granville Ave, Lea Glen, Roodepoort, Gauteng, South Africa.
- P.O.Box 6403, Westgate, Roodepoort Gauteng, South Africa, 1734
- Tel: +27 011 472-2256
- Fax: +27 011 472-2121
- E-mail: ecwamix@netactive.co.za