

EcwaSil DF Series

EcwaSil DF10 - 10% Active Emulsion
 EcwaSil DF20 - 20% Active Emulsion
 EcwaSil DF30 - 30% Active Emulsion

Combined Silicone & Silicate type Anti-Foam/Defoamer Emulsion systems

EcwaSil DF Series are a range of general purpose Anti-Foamers/Defoamers for use in any WATER-based Systems prone to foaming and aeration. They consist primarily of Polydimethylsiloxane (Silicone Fluid) and hydrophobic solids. These components are practically inert and endow the EcwaSil DF Series 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 DF Series are safe to use and handle.

Chemical Identification & Physical properties

	DF10	DF20	DF 30
Active Ingredients:	Polydimethylsiloxane and Silica.		
Active content (w/w):	10%	20%	30%
Total Non-volatile content:	11-13%	21-24%	32-35%
Appearance:	White, opaque fluid - slightly viscous.		
pH (as manufactured):	7.0 - 8.0		
Odour:	Mild		
S.G. (at 20°C):	0.99 - 1.1 g/cm ³		
Solubility:	Soluble in water.		
Emulsifier Type:	Nonionic		
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

- Easy to disperse in Aqueous systems.
- Immediate foam control action.
- Excellent de-aeration.
- Persistent foam control action.
- Effective at very low dosage.
- Economical & Safe.

NB - Diluted solutions of Ecwasil DF Series will have no long-term storage stability!

Packaging

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

Usage

The EcwaSil DF Series are easily dispersed in both hot and cold aqueous systems. For optimum efficiency and greater economy of use, it is best to pre-disperse the dosage of anti-foam into approximately 20 parts of water before addition to the system being treated - this is particularly important in systems where agitation is low, e.g.- overhead dripping onto surface of foaming media. 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. Even Ecwasil DF Series is effective from levels as low as 0.01% however general application dosages will be in the 0.05 -0.5% range.

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.