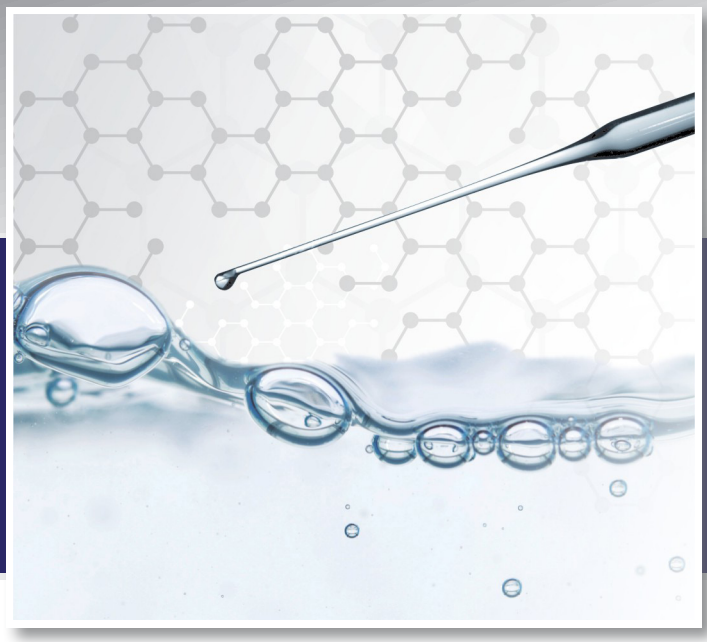

BIOSIL
Antifoams & Emulsions

BIO-SIL AFD/500

Anti-foam Emulsion

TECHNICAL DATA SHEET

Rev.4 Date: 17/08/2022

PRODUCT DESCRIPTION

BIO-SIL AFD/500 is a 5% active organic oil based anti-foam emulsion, specifically formulated for anti-foaming and defoaming a wide range of aqueous system. Upon addition, BIO-SIL AFD/500 will rapidly knock down any foam present and will limit the generation of further foam. BIO-SIL AFD/500 is effective at low concentrations and has the added benefit of being completely silicone free.

COMMON AREAS OF USE

- Water based systems
- Fermentation processes
- Liquid detergents
- Carpet cleaning
- Waste water treatment
- Pesticide formulation
- Chemical distillation
- Paper manufacturing

TYPICAL SPECIFICATIONS

Appearance	Off white to beige
Active Solids [%]	5
pH	4.00 - 6.00
*Specific Gravity [@20°C]	1.00
*Viscosity at 25°C [Mpas]	100 - 500
Packaging	25Kg Pail 200Kg Drum 1000Kg Tote

*Typical product data values should not be used as specifications

STARTING GUIDE

As a processing aid: For maximum performance, BIO-SIL AFD/500 can be administered directly into the foaming system with a metered pump and is efficiently dispersed with minimum agitation. Alternatively, for maximum de-foaming efficiency, pre-dilute BIO-SIL AFD/500 with 3 to 5 parts of water momentarily before adding to the foaming system. For effective dilution, do not add the BIO-SIL AFD/500 to the water but rather vice versa.

For end use: BIO-SIL AFD/500 emulsion can be added directly from the original shipped container to the foaming system. Concentrations in the range of 0.05 to 0.1% have been determined as a good starting amount for most applications.

PLEASE NOTE

- Testing before formulating should be carried out as systems vary.
- Material Safety Data Sheets are available upon requests.
- The shelf life period without testing is 12 months from date of manufacture, if stored in the original unopened container at 4°C to 27°C.
- Mild agitation should be carried out if stored as the nature of any emulsion is to separate without agitation over extended periods of storage.

silicone
SILICONE & TECHNICAL PRODUCTS (PTY) LTD

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