

BIO-SIL

Antifoams & Emulsions

BIO-SIL AFD/500

Anti-foam Emulsion

TECHNICAL DATA SHEET

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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.

LEGAL DISCLAIMER: Each user bears the full responsibility for making its own determination as to the suitability of Supplier material, products, services, recommendations or advice for its own particular purposes. Each user must identify and perform test and analysis sufficient to assure its finished parts will be safe and suitable for use under end-use conditions. Because actual use of products by the user is beyond the control of Supplier, such use is within the exclusive responsibility of the user, and supplier cannot be held responsible for any loss incurred through incorrect or faulty use of the products. Further, no statement contained herein concerning a possible or suggested use of any material product, service or design is intended or should be construed to grant any license under any patent or other intellectual property right of Supplier or any of its subsidiaries or affiliated companies, or as a recommendation for the use of such material, product, service or design in the infringement of any patent or other intellectual property right.