

BIO-SIL

Antifoams & Emulsions

BIO-SIL AFD/1000F

Foodgrade Anti-foam Emulsion

TECHNICAL DATA SHEET

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PRODUCT DESCRIPTION

BIO-SIL AFD/1000F is a food grade 10% active organic oil based antifoam emulsion, ideal for antifoaming and de-foaming a wide range of aqueous systems.

Best suited for use in food processing applications or as a processing aid in fermentation systems. BIO-SIL AFD/1000F is effective at low concentrations when added to systems where foam control is critical and has the added benefit of being silicone free.

In fermentation systems, BIO-SIL AFD/1000F has no negative effect on growth levels of micro-organisms at working concentrations.

COMMON AREAS OF USE

- Fermentation processes
- General food processing
- Fruit and vegetable washing
- Pesticide formulation
- Paper manufacturing
- Water based systems

TYPICAL SPECIFICATIONS

Appearance	Off white to beige
Active Silicone Solids [%]	10
*Specific Gravity [@20°C]	0.99
*Viscosity at 25°C [Mpas]	>300 <900
Packaging	25Kg Pail 200Kg Drum 1000Kg Tote

*Typical product data values should not be used as specifications

CERTIFICATION & COMPLIANCES

BIO-SIL AFD/1000F is produced under ISO 9001 and ISO FSSC22000 management systems.

STARTING GUIDE

As a processing aid: For maximum de-foaming efficiency, pre-dilute BIO-SIL AFD/1000F with 3 to 5 parts of water momentarily before adding to the foaming system. For effective dilution, do not add the BIO-SIL AFD/1000F to the water but rather vice versa. In processing applications as an aid, BIO-SIL AFD/1000F in concentrations of 10 to 500 ppm can be added.

For end use: BIO-SIL AFD/1000F emulsions can be added directly from the original shipped container to the foaming system. Concentrations in the range of 0.1 to 0.5% have been determined as a good starting amount for fermentation applications. If required, BIO-SIL AFD/1000F can be heat sterilized before use either in its pure form or pre-diluted in water, or can be sterilized directly in the fermentation medium.

PLEASE NOTE

- Testing before formulating should still 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.
- The product will separate after heat sterilization but can be easily reconstituted by agitation before use. Pre-dilution with water will minimize this effect.

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.