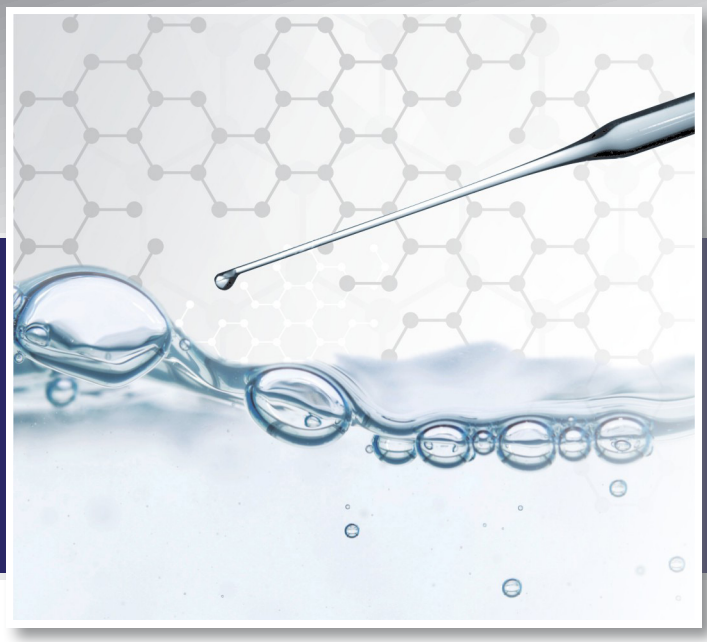

BIOSIL
Antifoams & Emulsions

BIO-SIL AFD/1000F

Foodgrade Anti-foam Emulsion

TECHNICAL DATA SHEET

Rev.4 Date: 17/08/2022

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.

silicone
SILICONE & TECHNICAL PRODUCTS (PTY) LTD

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Cape Town +27 (0)21 534 9055
Johannesburg +27 (0)11 392 2426
Durban +27 (0)31 701 3481
Website: www.silicone.co.za