

# BIO-SIL

## Antifoams & Emulsions

### BIO-SIL AFD/500

#### ANTI-FOAM EMULSION

## TECHNICAL DATA SHEET

Rev.2 Date: 20/01/2017

### PRODUCT DESCRIPTION

BIO-SIL AFD/500 is a 5% active organic oil based anti-foam emulsion, specifically formulated for antifoaming and de-foaming 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

### PHYSICAL PROPERTIES

Appearance	Off white to beige
Active content	5%
pH	4.00 – 6.00
*Specific Gravity [@ 20°C]	1.00
*Viscosity at 25°C [mPa.s]	> 100 < 500
Packaging	25kg Containers
	200kg Drums
	1000kg Containers

\*Typical product data values should not be used as specifications

### DIRECTIONS FOR USE

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 emulsions 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 still be carried out as systems vary.

### PLEASE NOTE

- Material Safety Data Sheets are available upon request.
- The warranty period without testing is 12 months from date of manufacture, if stored in the original unopened container at 4°C to 27°C.

