

AF 1500 FG (Antifoam 4001) Antifoam

Introduction

Antifoam AF 1500 FG is a 100% active silicone based antifoam compound. It is particularly effective in suppressing foam in many non-aqueous systems e.g. lubricating oils and can be employed in certain highly dispersed aqueous products e.g. agrochemical flowable formulations.

Antifoam AF 1500 FG complies with the US Food and Drug Administration Regulations as detailed in the text.

Key Features

FOOD/PHARMACEUTICAL REGULATIONS

Pharmaceutical Regulations

The Silicone polymer in Antifoam AF 1500 FG meets the specification for DIMETHICONE in the British Pharmacopoeia Addendum 1993 at Page 227, and the specification for DIMENTICONUM in the European Pharmacopoeia 1982, 2nd Edition, 4th Fascicule at Page 138.

The compound meets the specification for SIMETHICONE as described in the US National Formulary NF XX.

Food Regulations

The components of Antifoam 1500 FG comply with the US Code of Federal Regulations Title 21, Part 173.340 and any subsequent parts governed by this section.

Applications

Antifoam AF 1500 FG in chemical industry is applied to knock down as to prevent foam for the production of:

- Cooking oils
- Lubricating oils
- Antibiotic fermentation
- BTX Extraction (Sulpholane Process)
- Agrochemical flowable formulations
- Distillation

How to Use

AF 1500 FG can be used either as supplied or diluted with suitable diluents to the desired concentration, depending on the characteristics of the system.

Concentration of AF 1500 FG required for good foam control depends on the process where it is employed. If there is no previous experience of a foam problem, it is generally suggested to start with a concentration of 50 ppm of active silicone and then to adjust the amount upwards or downwards in order to determine the most cost effective concentration.

Property*	Test Method	Value
Colour:		Translucent
Appearance:		Liquid
Viscosity at 25°C:	Brookfield	1750 mPa.s
Density at 25°C:	BS 5350 Part B1	1.01 g/cm ³
pH:		
Defoaming Activity:		60 ppm
Solids Content:		100%
Active Content:		100%

Suitable Diluents

Solvents such as petroleum naphthas and diesel fuel. Aromatic and chlorinated hydrocarbon solvents.

Health and Safety

Available on request

Packages

100 - 200 kg. Drums; IBC 1000 kg.

Storage and Shelf Life

Over six months. This product should be stored between 5 and 30°C in clean sealed containers. The product should not be allowed to freeze.

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* The details are merely typical properties not specifications.

The information and recommendations in this publication are to the best of our knowledge reliable. However nothing herein is to be construed as a warranty or representation. Users should make their own tests to determine the applicability of such information or the suitability of any products for their own particular purposes. Statements concerning the use of the products described herein are not to be construed as recommending the infringement of any patent and no liability for infringement arising out of any such use is to be assumed.

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