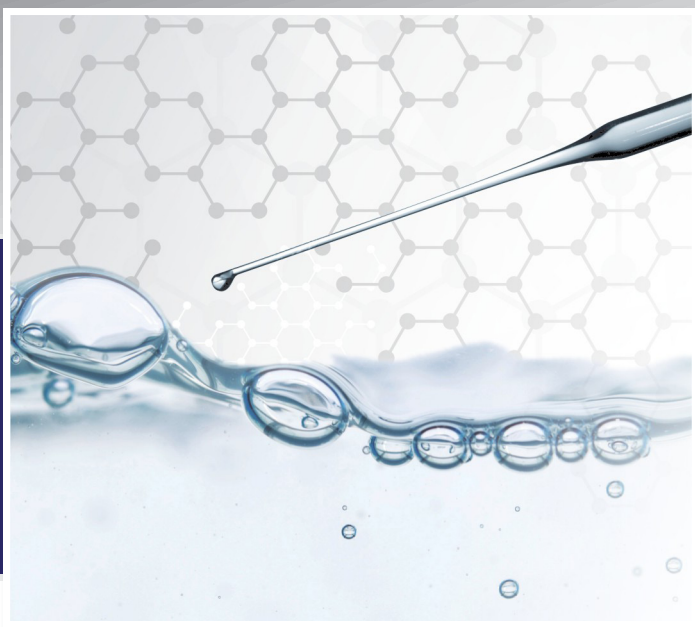


BIO-SIL

Antifoams & Emulsions



BIO-SIL AF700F

Foodgrade Anti-foam Compound

TECHNICAL DATA SHEET

Rev.7 Date: 17/08/2022

PRODUCT DESCRIPTION

BIO-SIL AF700F is a 100% antifoam compound of filled Polydimethylsiloxane specifically formulated for antifoaming and de-foaming of most common non aqueous food grade systems and a few aqueous food grade systems.

BIO-SIL AF700F may be used as a very effective base for food grade antifoam emulsions

COMMON AREAS OF USE

- Herbicide formulations
- Chemical distillations
- Waste water treatment
- Fermentation processes
- Cooking oils & fats

TYPICAL SPECIFICATIONS

Appearance	Opaque, faint silver liquid
Active Silicone Solids [%]	100
*Specific Gravity [@20°C]	0.98
*Viscosity at 25°C [Mpas]	>500 <1500
Flash point [closed cup] °C	>100
Packaging	25Kg Pail 200Kg Drum 1000Kg Tote

*Typical product data values should not be used as specifications

CERTIFICATION & COMPLIANCES

BIO-SIL AF700F is certified Halaal and Kosher. Produced under ISO 9001 and ISO FSSC22000 management systems.

Complies with the FDA Code of Federal regulations Title 21 Sections:

173.340 – Secondary direct food additive used as defoaming agents.

175.105 – Indirect food additives used as a component of adhesives.

176.170 – Indirect food additives used as a component of paper and paperboard in contact with aqueous and fatty foods.

176.180 – Indirect food additives used as a component of paper and paperboard in contact with dry foods.

176.200 – Indirect food additives used as defoaming agents in coatings.

176.210 – Indirect food additives used as defoaming agents in the manufacture of paper and paperboard.

177.1200 – Indirect food additives used as a defoaming agent in cellophane for food contact.

Meets the requirements of the Canadian Food and Drug Act, as detailed in Division 16 governing Food Additives, whereby "Dimethylpolysiloxane Formulations" are acceptable direct food additives subject to the use and restrictions stipulated under item D.1 of Table VIII "Miscellaneous Food Additives".

Complies with the European regulation (EC) No 1333/2008 of the European Parliament and of the Council of 16 December 2008 Article 3 Part 2b whereby, if used appropriately, antifoams are considered as food processing aids.

Suitable for use, in compliance with the valid restrictions, as a direct food processing aid for controlling foam during food production and processing according to Directive No 95/2/EC and the Regulation (EU) No 231/2012 regarding Regulation (EC) No 1333/2008 Annexes II (amended by Regulation (EU) 1129/2011) and III (amended by Regulation (EU) 1130/2011).

Complies with the German BfR Recommendation XXXVI for defoamers to be used in the production process of paper, paperboard and board that comes into contact with food.

STARTING GUIDE

For non-aqueous applications BIO-SIL AF700F can be pre-dispersed to use in kerosene, white spirits, amylacetate, 2-ethylhexanol, toluene as well as solvents of similar nature. For aqueous applications BIO-SIL AF700F is effective when dispersed on isopropanol or a tertiary butyl alcohol at a suggested starting point of 10ppm w/w.

PLEASE NOTE

- Testing before formulating should still be carried out as systems vary.
- Material Safety Data Sheets are available upon request.
- 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.

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.



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