

Foam Blast® 500A

Food Grade – Beverage Process Aid Defoamer

Product Information

Function

Foam Blast® 500A is a 10% silicone emulsion defoamer used to suppress and control foam in both hot and cold applications over a wide pH range. This product is a GMO-free and paraben-free formulation. This product is manufactured under current good manufacturing practices (cGMPs).

Typical Properties

Appearance	Opaque white liquid
Odor	Mild
Viscosity @ 25°C	300 – 1100 Cps
Solubility in water @ 25 °C	Water dispersible
Boiling Point	100 °C, 212 °F
Weight per gallon	8.34 pounds
Specific Gravity @ 25 °C	1.01

***Typical properties may not appear on the certificate of analysis

Compliance

USA FDA regulation: 21 CFR 173.340

Limited to a maximum usage of **85 ppm** for most uses. Consult this regulation for situations where the use limitation may be different. Consideration of other FDA permitted uses would require further evaluation

Incorporation

Foam Blast® 500A can be added directly to the foaming process or diluted in water prior to use.

Shelf Life

1 year from date of manufacture when properly stored in the original container following proper storage and handling.

Storage & Handling

Keep from freezing. Store product in original and labeled containers between 4.4 °C (40 °F) and 37.8 °C (100 °F). Keep containers tightly closed when not in use. Wash thoroughly after handling. Empty container contains product residue which may exhibit hazards of product. Mix well before use.

Tariff Code

The Harmonized Tariff Schedule (HTS) code for **Foam Blast® 500A**:

3910.00.0000

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Product Specifications

Test	Test Procedure / Parameters	Specification
Appearance color	109, 25C	white
Appearance turbidity	109, 25C	milky
Appearance consistency	109, 25C	liquid
Water dilatability	119, 25C, 1% in water, Completely dispersible	yes
pH	105, as is	4.00 - 5.50
Viscosity	114, 25C, (RV#3/20)	300.0 - 1,100.0 cPs
Solid content	112, 105C *	16.50 - 18.50%
Free Fatty Acid	101, (as M.W. 64)	0.000 - 0.500%
Specific gravity	152, @ 25C/25C	Report

Package Size		Volume	Weight
	Blue tight head drum	55 gallons	450 lbs.
Blue carboy jerrycan/pail	5 gallons	35 lbs.	
Plastic bottle	1 liter	2 lbs.	

Resin HDPE - All resin used to manufacture food grade containers meet the FDA requirements 21 CFR 177.1520(c) 3.2a use conditions B through H per 21 CFR 176.170(c). These regulations state that copolymer may be safely used as articles or components of articles used in packaging or holding food at low or room temperature.

Colorant - Color concentrate used to produce a colored food grade package meets FDA requirements 21 CFR 178.3297 (Pigments); 21 CFR 178.2010 and 21 CFR 178.3570 (Additives); and 21 CFR 177.1520 (Resin). These requirements deal with colorants for polymers used in food contact applications.

Package Compliance

Cover Gasket - The compound used to seal the cover to the container meets FDA requirements 21 CFR 177.2600. Foam-in-place gaskets meets FDA requirements 21 CFR 175.107 and 21 CFR 178.3710.

Closures – The fittings used on covers meet the FDA requirements 21 CFR 177.1520.

UN Certifications

Tight Head Pails (Jerrycan/Carboy) – 3H1	Fiber Drums – 1G
Open Head Pails – 1H2	Steel Drums – 1A1
Plastic Drums – 1H1	Plastic Totes (IBC) – 31HA1

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