

# Silicone Foam Control for Beverage Applications

## **Foam is a problem.**

When excess foam causes your processing vessels to overflow, your maintenance costs increase. You lose capacity, reducing your production efficiency. Your processing time increases, and you may require larger, more expensive equipment to handle the foam.

## **Silicone foam control is the solution.**

XIAMETER<sup>®</sup> brand silicone foam control agents eliminate problem foam. Eliminating foam can increase your productivity and reduce your production costs.

Available as fluids, compounds, and emulsions, XIAMETER<sup>®</sup> brand silicone foam control agents are suitable for use in both aqueous and non-aqueous systems. They have proved successful in a wide range of applications in diverse industries around the world, including beverage brewing, processing, and bottling.

Silicone foam control agents have low surface tension for effective foam control in a variety of foaming media and act as both antifoams and defoamers. They are efficient, long-lasting and many are safe for use in food-contact applications – FDA-, USDA-, and Kosher-compliant options are available.

## **Solutions for beverage applications.**

The chart that follows lists foam-control problems reported by our customers and the XIAMETER<sup>®</sup> brand foam-control products we recommended to solve those problems.

Every foaming situation is unique. The products listed may or may not be appropriate for your application. For specific foam-control product recommendations, contact us through our website: [www.xiameter.com/en/forms/pages/formviewer.aspx?formname=ProdRecAFCFB&Target=thankyou.aspx](http://www.xiameter.com/en/forms/pages/formviewer.aspx?formname=ProdRecAFCFB&Target=thankyou.aspx)

Product technical data sheets and selection guides are also available at [www.xiameter.com](http://www.xiameter.com).

## Application/Foam Problem Description

## XIAMETER® Brand Product

10% Juice Drink – Foams during reconstitution	XIAMETER® AFE-0010 AF Emulsion
Alcohol Beverage – Foams during mixing and filling	XIAMETER® AFE-1510 Antifoam Emulsion
Alcohol Beverage – Foams during mixing and filling	XIAMETER® AFE-0300 Antifoam Emulsion Food Grade
Alcohol Beverage – Foams during mixing and filling	XIAMETER® AFE-0010 AF Emulsion
Alcoholic Beverages – Foams during bottling	XIAMETER® AFE-0100 AF Emulsion
Apple Juice – Foams during pressing	XIAMETER® AFE-0100 AF Emulsion
Apple Juice – Foams during pressing	XIAMETER® AFE-0100 AF Emulsion
Banana Fruit Beverage – Foams during mixing	XIAMETER® AFE-1510 Antifoam Emulsion
Banana Fruit Beverage – Foams during mixing	XIAMETER® AFE-1520 Antifoam Emulsion
Berry Flavored Beverage – Foams during mixing and filling	XIAMETER® AFE-0100 AF Emulsion
Beverage – Foams during mixing and filling stages and brewing process	XIAMETER® AFE-0010 AF Emulsion
Beverage – Foams during mixing processing (pH 7, 40-100°C)	XIAMETER® AFE-1520 Antifoam Emulsion
Beverage (Freeze Dried) – Foams FG-10	XIAMETER® AFE-0010 AF EMU
Beverage and Emulsion	XIAMETER® AFE-0100 AF Emulsion
Beverage Application – Foams	XIAMETER® AFE-1510 Antifoam Emulsion
Beverage Dry Mixes – Foams	XIAMETER® ACP-1920 Antifoam Compound
Beverage Soft Drink – Foams during batch mixing and bottling due to particulates and caramel	XIAMETER® ACP-1920 Antifoam Compound
Bloody Mary Triple Sec Mix (pH 3-4, 11% solids)	XIAMETER® ACP-1920 Antifoam Compound
Brewery – Foam Problem	XIAMETER® AFE-0100 AF Emulsion
Brewery – Foam Problem	XIAMETER® AFE-1510 Antifoam Emulsion
Cappuccino Powdered Mix – Foams when processing	XIAMETER® ACP-1920 Antifoam Compound
Carbonated Beverage – Foams at filling	XIAMETER® AFE-0300 Antifoam Emulsion Food Grade
Carbonated Beverage – Foams at filling	XIAMETER® AFE-0010 AF Emulsion
Carbonated Beverage – Foams during mixing and at filler	XIAMETER® ACP-1920 Antifoam Compound
Carbonated Beverage – Foams during mixing and at filler	XIAMETER® ACP-1500 Antifoam Compound
Carbonated Beverage – Foams when degassed	XIAMETER® AFE-0100 AF Emulsion
Carbonated Beverage Fountain Syrups – Foams	XIAMETER® AFE-0010 AF Emulsion
Carbonated Beverage Syrup Foams	XIAMETER® AFE-0010 AF Emulsion
Carbonated Coffee Drink – Foams	XIAMETER® AFE-0010 AF Emulsion
Carbonated Cola Beverage – Foams prior to bottling	XIAMETER® AFE-0300 Antifoam Emulsion Food Grade
Carbonated Flavored Milk – Foams at filling station	XIAMETER® AFE-1510 Antifoam Emulsion
Carbonated Grapefruit – Foams during bottling	XIAMETER® ACP-1920 Antifoam Compound
Chocolate Drink – Foams during processing and bottling	XIAMETER® AFE-0100 AF Emulsion
Chocolate Liqueur – Foams during bottling	XIAMETER® AFE-0010 AF Emulsion
Citrus Beverage – Foams during filling	XIAMETER® AFE-1510 Antifoam Emulsion
Coffee and Tea Extracts/Concentrates – Foam during processing	XIAMETER® AFE-1510 Antifoam Emulsion
Coffee Beverage	XIAMETER® AFE-1510 Antifoam Emulsion
Coffee Beverage – Foams during mixing and filling	XIAMETER® AFE-1510 Antifoam Emulsion
Coffee Beverage – Foams during mixing and filling	XIAMETER® AFE-0010 AF Emulsion
Coffee Beverage Concentrate Antifoams	XIAMETER® AFE-0010 AF Emulsion
Coffee Syrup/Powder Coffee For Sweetener – Foams during bottling	XIAMETER® AFE-0010 AF Emulsion
Coffee Whitener Foams, Spray Dry Product	XIAMETER® AFE-1510 Antifoam Emulsion
Cold Tea Drink – Foams	XIAMETER® AFE-0010 AF Emulsion
Concentrated Beverage – Foams in finished product	XIAMETER® ACP-1920 Antifoam Compound
Concentrated Beverage – Foams in finished product	XIAMETER® AFE-1510 Antifoam Emulsion
Cordial Liqueur – Foams during homogenization process	XIAMETER® AFE-0010 AF Emulsion

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## XIAMETER® Brand Product

Cordial Liquor – Foams at bottling Line	XIAMETER® AFE-1510 Antifoam Emulsion
Cordial Liquor – Foams at bottling Line	XIAMETER® AFE-0010 AF Emulsion
Cordials/Spirits – Foams when blending in tanks	XIAMETER® AFE-0010 AF Emulsion
Cranraspberry Juice and Carbonated Beverages – Foam during bottling	XIAMETER® AFE-0010 AF Emulsion
Cream Sauce – Foams in Microwave	XIAMETER® AFE-0010 AF Emulsion
Date Shake Beverage – Foams	XIAMETER® AFE-0300 Antifoam Emulsion Food Grade
Decaffeinated Tea (Distillation Column) – Foams in column	XIAMETER® ACP-1400 Antifoam Compound
Decaffeinated Tea (Distillation Column) – Foams in column	XIAMETER® AFE-1410 Antifoam Emulsion
Decaffeinated Tea (Distillation Column) – Foams in column	XIAMETER® ACP-1500 Antifoam Compound
Decaffeinated Tea (Distillation Column) – Foams in column	XIAMETER® AFE-1510 Antifoam Emulsion
Diet Cola – Foams when dispensed	XIAMETER® AFE-0010 AF Emulsion
Dry Powder Drink and Carbonated Beverage	XIAMETER® AFE-0010 AF Emulsion
Flavored Beverage – Foams	XIAMETER® AFE-1510 Antifoam Emulsion
Flavored Beverage – Foams	XIAMETER® AFE-1510 Antifoam Emulsion
Flavored Carbonated Beverage – Foams	XIAMETER® AFE-0100 AF Emulsion
Flavored Carbonated Beverage – Foams	XIAMETER® AFE-0300 Antifoam Emulsion Food Grade
Flavored Carbonated Beverage – Foams	XIAMETER® AFE-0010 AF Emulsion
Flavored Juice Beverage – Foams during bottling	XIAMETER® AFE-0010 AF Emulsion
Fruit Beverage – Foams at mixing	XIAMETER® AFE-0010 AF Emulsion
Fruit Drink – Foams during mixing	XIAMETER® AFE-1510 Antifoam Emulsion
Fruit Flavored Beverage – Foams at filler	XIAMETER® AFE-0010 AF Emulsion
Fruit Juice – Foams	XIAMETER® AFE-1510 Antifoam Emulsion
Fruit Juice – Foams when bottling	XIAMETER® AFE-1520 Antifoam Emulsion
Fruit Juice Concentrate – Foams	XIAMETER® AFE-0100 AF Emulsion
Grape Juice – Foams	XIAMETER® AFE-0100 AF Emulsion
Grape Juice – Foams	XIAMETER® AFE-1520 Antifoam Emulsion
Grape/Prune/Apple Concentrated Juice – Foams when mixing	XIAMETER® AFE-0010 AF Emulsion
High Protein Beverage – Foams/powder	XIAMETER® ACP-1920 Antifoam Compound
Hot Fill Beverage – Foams at fill station	XIAMETER® AFE-1520 Antifoam Emulsion
Ice Tea Mix – Foams	XIAMETER® ACP-1920 Antifoam Compound
Instant Coffee – Foams when put in the microwave	XIAMETER® AFE-1510 Antifoam Emulsion
Instant Flavored Protein Beverage – Foams during mixing	XIAMETER® ACP-1920 Antifoam Compound
Juice – Foams during packaging	XIAMETER® AFE-0300 Antifoam Emulsion Food Grade
Juice Beverage – Foams at filler	XIAMETER® AFE-0010 AF Emulsion
Juice Concentrates – Foams during freeze-drying	XIAMETER® AFE-0100 AF Emulsion
Juice Product – Foams	XIAMETER® AFE-0010 AF Emulsion
Low-Calorie Diet Cola – Foams during bottling	XIAMETER® AFE-0010 AF Emulsion
Malt Beverage – Foams	XIAMETER® AFE-0300 Antifoam Emulsion Food Grade
Malt Beverage – Foams	XIAMETER® AFE-0010 AF Emulsion
Manufacturing Antifoam	XIAMETER® AFE-0100 AF Emulsion
Milk/fruit Drink – Foams at filling	XIAMETER® AFE-0010 AF Emulsion
Orange Beverage – Foams in processing	XIAMETER® AFE-0010 AF Emulsion
Orange Juice Drink	XIAMETER® AFE-1520 Antifoam Emulsion
Pineapple Juice – Foams at filler	XIAMETER® AFE-1520 Antifoam Emulsion
Pineapple Juice – Foams at filler	XIAMETER® AFE-0010 AF Emulsion
Powdered Tea Formulation Antifoam	XIAMETER® ACP-1920 Antifoam Compound
Process-Dry Mix Beverage – Foams	XIAMETER® ACP-1920 Antifoam Compound

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Process-Dry Mix Beverage – Foams	XIAMETER® ACP-1500 Antifoam Compound
Protein Beverage – Foams during filtering at bottling station	XIAMETER® AFE-0100 AF Emulsion
Protein Beverage – Foams in filler	XIAMETER® AFE-0010 AF Emulsion
Root Beer – Foams	XIAMETER® AFE-0100 AF Emulsion
Root Beer Fountain Syrup – Foams when carbonating	XIAMETER® AFE-0300 Antifoam Emulsion Food Grade
Soy processing – Foams during boiling	XIAMETER® AFE-0010 AF Emulsion
Soy processing – Foams during boiling	XIAMETER® AFE-0300 Antifoam Emulsion Food Grade
Sports Drinks, Ready-to-Drink Beverages	XIAMETER® AFE-1520 Antifoam Emulsion
Tea – Foams at filler	XIAMETER® AFE-0010 AF Emulsion
Tea – Foams in bottling/filling process	XIAMETER® AFE-0300 Antifoam Emulsion Food Grade
Tea Beverage – Foams during process of adding water and sweetener, mixing and packaging	XIAMETER® AFE-0010 AF Emulsion
Thick and Juice Product – Foams	XIAMETER® AFE-0010 AF Emulsion
Wine Cooler Beverage (using malt in cooler instead of wine) – Foams when bottle is opened	XIAMETER® AFE-0010 AF Emulsion
Wine Coolers and Fruit Fillings – Foam	XIAMETER® AFE-0100 AF Emulsion
Wine Coolers/Fruit fillings – Foams during processing	XIAMETER® AFE-0100 AF Emulsion
Wine/Alcoholic Beverage Application – Foams in production	XIAMETER® AFE-0010 AF Emulsion
Wine/Cider Processing	XIAMETER® AFE-1510 Antifoam Emulsion

## Contact Us

Visit [www.xiameter.com](http://www.xiameter.com) to learn more about the many product options available to you from the XIAMETER® brand.

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Form No. 95-1093-01