



Technical Data Sheet

XIAMETER™ AFE-1510 Antifoam Emulsion

10 percent active, food-grade, silicone emulsion INCI Name: Simethicone

Features & Benefits

- Foam prevention in food and chemical processes
- Free of raw materials derived from animals
- Approved for food contact
- Water-dilutable
- Effective in both hot and cold systems
- Easy to use
- Effective in low concentrations

Composition

- 10 percent active silicone emulsion

Applications

XIAMETER™ AFE-1510 Antifoam Emulsion can be in areas where a food-contact approved product is required due to the nature of the process.

- Food processing
- Beverages
- Vegetable washing
- Cosmetic
- Personal cleansers/conditioners
- Agrochemical
- Waste water treatment
- Pesticide production

Typical Properties

Specification Writers: These values are not intended for use in preparing specifications.

Property	Unit	Result
Appearance		White
Active Ingredient	%	10
Specific Gravity at 25°C (77°F)		1.0
Viscosity at 25°C (77°F)	cP	2,000
pH		3 - 4
Emulsifier Type		Non-ionic

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XIAMETER™ AFE-1510 Antifoam Emulsion

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Food Regulation Status

XIAMETER AFE-1510 Antifoam Emulsion was specifically formulated for food contact applications.

To get the status of XIAMETER AFE-1510 Antifoam Emulsion, please always refer to the Food Additive/Food Contact – Regulatory Information sheet available on request to our customer service.

Kosher Status

Kosher certified product available. Contact your local representative for current compliance information.

Halal Compliance

Please contact your local representative for current Halal compliance documentation.

GMO Status

XIAMETER AFE-1510 Antifoam Emulsion does not contain genetically modified organisms. Dow does not test for genetically modified organics.

Origin Of Ingredients

The ingredients in XIAMETER AFE-1510 Antifoam Emulsion are not derived from animals.

How To Use

How To Apply

XIAMETER AFE-1510 Antifoam Emulsion can be used in aqueous medium, either neat or diluted with cool water. Prediluted material should be used as soon as possible. Material diluted to 50 ppm in deionized water was found to be stable at 40°C (104°F) for one week.

A preservative to guard against microbial growth is included in XIAMETER AFE-1510 Antifoam Emulsion. Dilution will diminish the effectiveness of the preservative, therefore if the diluted material is to be stored for more than several days, additional preservative maybe required.

The neat or diluted material can be added to the foaming medium either on a continuous basis (using a metering pump or similar equipment) or on demand.

Amount Needed

The recommended starting concentration is 100 parts of active silicone per million parts foamer.

However in many systems, 1 to 10 ppm is sufficient to control foaming. Therefore, begin trials at higher levels and reduce down as required. The following are parts per million equivalents:

To Yield 10 ppm	
Antifoam	Mixed in
198.14 mL	1892.65 L
6.7 oz in	500 gal

Handling
Precautions

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE SAFETY DATA SHEET IS AVAILABLE ON THE DOW WEBSITE AT WWW.CONSUMER.DOW.COM, OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CUSTOMER SERVICE.

Usable Life And
Storage

Product should be stored between 5 and 35°C (41 and 95°F) in original, unopened containers

During prolonged storage there may be a slight tendency for product separation; therefore, it is recommended that XIAMETER AFE-1510 Antifoam Emulsion be gently agitated prior to use to ensure homogeneity.

XIAMETER AFE-1510 Antifoam Emulsion will freeze below 0°C (32°F). If frozen, allow to thaw at 18–29°C (64.4–84.2°F) for at least one day and agitate gently to assure homogeneity.

Limitations

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

Not intended for human injection.

Health And
Environmental
Information

To support customers in their product safety needs, Dow has an extensive Product Stewardship organization and a team of product safety and regulatory compliance specialists available in each area.

For further information, please see our website, www.consumer.dow.com or consult your local Dow representative.

<http://www.xiameter.com>

LIMITED WARRANTY INFORMATION – PLEASE READ CAREFULLY

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective, and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

Dow's sole warranty is that our products will meet the sales specifications in effect at the time of shipment.

Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

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