

XIAMETER[®] AFE-0310 Antifoam Emulsion

30% silicone antifoam based on XIAMETER[®] ACP-0100 Antifoam Compound

FEATURES

- Immediate defoaming action at low concentrations
- Long lasting foam inhibition

BENEFITS

- Due to its high solid content XIAMETER AFE-0310 can easily be diluted and formulated to the required concentration
- At relatively low concentration XIAMETER AFE-0310 has a very efficient antifoaming and defoaming action

APPLICATIONS

- Foam control in aqueous, chemical, oil, and petroleum systems.
- Controls aqueous foamers over a wide range of industrial processes and products; however, it is not intended to be used in food or drug processing.
- Potential uses include:
 - Gas scrubbing (amine or carbonate)
 - Gas drying (glycol)
 - Pesticide manufacture
 - Industrial textile processes

TYPICAL PROPERTIES

Specification Writers: These values are not intended for use in preparing specifications. Please contact your local XIAMETER[®] sales representative prior to writing specifications on this product.

CTM ¹	Test	Unit	Value
0176B	Appearance		White pourable liquid
0050	Viscosity ²	mPa.s	3000
1100G	Specific gravity at 25°C	g/ml	1.0
0007A	pH		3-5.5
	Emulsifier type		Non-ionic
	Suitable diluent		Water

¹CTM: Corporate Test Method. Copies of CTMs are available on request.

²RVF sp3, 20 rpm.

HOW TO USE

Between 5 and 50 parts of XIAMETER[®] AFE-0310 Antifoam Emulsion per million parts of foamer are required in most systems.

XIAMETER AFE-0310 Antifoam Emulsion may be prediluted with 3 to 5 parts of water before adding to the foaming system. Add the water to the emulsion, not vice versa. Gentle agitation and preprocess testing are recommended.

If a predilution that requires several weeks of stability is desired, it is recommended that softened water is used, and 0.3% Xanthan gum or another thickener is added. During the dilution step, gentle mixing is recommended. Predilutions resulting in concentrations of silicone solids less than 5% are not recommended.

If XIAMETER AFE-0310 Antifoam Emulsion is formulated into other textile emulsions, preprocess testing is recommended.

PRODUCT SAFETY INFORMATION

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND MATERIAL SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL, ENVIRONMENTAL, AND HEALTH HAZARD INFORMATION. THE MATERIAL SAFETY DATA SHEET IS AVAILABLE ON THE XIAMETER® WEB SITE AT WWW.XIAMETER.COM.

STORAGE AND TRANSPORT

Product should be stored between 5 and 35°C (41 and 95°F) in original, unopened containers. The most up-to-date shelf life information can be found on the XIAMETER Web site in the Product Detail page under Sales Specification.

During prolonged storage there may be a slight tendency for product separation; therefore, it is recommended that XIAMETER AFE-0310 Antifoam Emulsion be gently agitated prior to use to ensure homogeneity.

XIAMETER AFE-0310 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. Not intended for food use.

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.

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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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