



## Technical Data Sheet

# XIAMETER™ AFE-1247 Antifoam Emulsion

Silicone antifoam emulsion

### Features & Benefits

- Low viscosity
- Excellent shear stability
- Excellent dilution stability
- Good persistency
- Easy to use
- Compatible in most systems

### Composition

- Silicone emulsion

### Applications

- Water-soluble and dispersible metal working fluids
- Water-based coatings and inks

### Typical Properties

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

Property	Unit	Value
Appearance		Milky white liquid
Active	%	30
Specific Gravity at 25°C (77°F)		1.0
pH at 25°C (77°F)		8.0
Ionic Nature		Non-ionic
Diluent		Water

### Description

XIAMETER™ AFE-1247 Antifoam Emulsion has excellent shear and dilution stability. Because of its non-ionic nature and good compatibility, it can be used in a variety of systems, such as non-ionic, anionic, cationic surfactant or polymer systems without forming a complex.

### How To Use

#### Addition Level

Only 0.1 to 1.0 weight percent XIAMETER AFE-1247 Antifoam Emulsion is required in formulation. To determine the concentration, begin with 10–20 fold XIAMETER AFE-1247 Antifoam Emulsion. The results obtained at this concentration should indicate any needed change in dosage level.

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## How To Use (Cont.)

## Handling Precautions

## Usable Life And Storage

## Limitations

## Health And Environmental Information

### Dilution

XIAMETER AFE-1247 Antifoam Emulsion is easily diluted with water. Ideally, the water temperature should be below 35°C (95°F).

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](http://WWW.CONSUMER.DOW.COM), OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CUSTOMER SERVICE.

Product should be stored between 5 and 40°C (41 and 104°F) in original, unopened containers.

During prolonged storage there may be a slight tendency for product separation; therefore, it is recommended that XIAMETER AFE-1247 Antifoam Emulsion be gently agitated prior to use to ensure homogeneity.

As a water based material this product should be protected from freezing. Once it has frozen this material is damaged and cannot be used or reworked.

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

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](http://www.consumer.dow.com) or consult your local Dow representative.

<http://www.xiameter.com>

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