



Technical Data Sheet

XIAMETER™ AFE-0120 Antifoam Emulsion

Water-dilutable, 24% solids antifoam emulsion designed to control foam in aqueous systems

Features & Benefits

- Quick antifoaming performance
- Easily dispersed as supplied or when diluted
- Easily diluted in water

Composition

- Milky-white liquid
- Silicone emulsion

Applications

- Waste water treatment
- ABS manufacturing
- Antifoaming in aqueous systems when the pH is close to neutral

Typical Properties

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

| Property | Unit | Result |
|-------------------------|------|-------------|
| Appearance | | Milky white |
| Solids Content, minimum | % | 24 |
| Active Silicone Content | % | 21 |
| pH | | 6–8 |
| Viscosity | cSt | 1,500–3,600 |
| Emulsifier Type | | Nonionic |
| Suitable Diluent | | Water |

Description

XIAMETER™ AFE-0120 Antifoam Emulsion is a water-dilutable, 24% solids antifoam emulsion designed to control foam in aqueous systems.

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XIAMETER™ AFE-0120 Antifoam Emulsion

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How To Use

XIAMETER AFE-0120 Antifoam Emulsion is water dilutable, making it easy to use or formulate. If the system can provide adequate agitation to disperse the antifoam, the antifoam emulsion may be added directly without predilution.

Amount Needed

XIAMETER AFE-0120 Antifoam Emulsion works effectively at very low concentrations. One to 100 parts of active silicone per million parts of foamer are sufficient to eliminate most foams. Begin trials at 50 ppm active silicone and adjust as needed.

Adding the Antifoam

For optimal foam control, the anti-foam must be completely dispersed in the foam medium. Follow these steps to achieve complete dispersion:

1. Agitate prior to use.
2. To aid in dispersion, pre-dilute the antifoam with 3 to 10 times its volume with water, adding the antifoam to the water with slow mixing. The diluted material should be used immediately.

If the system can provide adequate agitation to disperse the antifoam, the antifoam emulsion may be added directly without predilution.

3. Add the diluted antifoam prior to the point where foaming occurs within the system, if possible.

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 at room temperature in original, unopened containers. Avoid storage conditions above 40°C (120°F). Avoid freezing conditions.

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.

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>

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