



Technical Data Sheet

XIAMETER™ AFE-1430 Antifoam Emulsion

Used in a variety of industrial applications including extreme pH conditions

Features & Benefits

- Antifoaming in aqueous systems of extreme pH
- Excellent long-term antifoaming performance, even in alkaline solutions

Composition

- Silicone emulsion
- Milky-white liquid

Applications

- For use in latex manufacturing
- Waste water treatment
- Gas processing
- Distillation systems

Typical Properties

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

Property	Result
Appearance	White
Active Ingredient, percent	30
Specific Gravity, at 25°C (77°F)	1.0
Viscosity at 25°C (77°F), cp	8,000
Consistency at 25°C (77°F), cp	Medium
pH	4
Emulsifier Type	Nonionic
Suitable Diluent	Cool water

Description

XIAMETER™ AFE-1430 Antifoam Emulsion is a water-dilutable, 30 percent active silicone emulsion that is designed to control foam in aqueous systems.

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XIAMETER™ AFE-1430 Antifoam Emulsion

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How To Use

Amount Needed

XIAMETER AFE-1430 Antifoam Emulsion works effectively in very low concentrations. One to 100 parts of active silicone per million parts foamer are sufficient to eliminate most foams. Begin trials at higher use levels (50 ppm active silicone), then work down to the level of foam control desired. The following are parts per million equivalents:

To Yield 50 PPM	
Antifoam	Mixed In
10.9 ounces	500 gallons
22.0 ounces	1,000 gallons
55.1 ounces	2,500 gallons
16.5 quarts	25,000 gallons

Adding the Antifoam

To produce optimal foam control, it is necessary to have the antifoam completely dispersed in the foaming medium. Follow these steps to achieve complete dispersion:

1. Agitate product prior to use.
2. Predilute with 3 to 10 parts of cool water to aid in dispersion. Add the antifoam to the water with slow mixing. Prediluted 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 being necessary.

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

A preservative to guard against microbial growth is included in XIAMETER AFE-1430 Antifoam Emulsion. Dilution will substantially diminish the effectiveness of the preservative. If diluted material is to be stored for more than several days, additional preservative may be required.

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 20 and 40°C (68 and 104°F) in original, unopened containers.

This product will freeze at or below 0°C (32°F). If frozen, XIAMETER AFE-1430 Antifoam Emulsion can be thawed and used without loss of efficiency. Agitation may be required. Avoid storage conditions above 49°C (120°F).

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.

Shipping Limitations

None.

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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