Technical Data Sheet

XIAMETER™ AFE-1530 Antifoam Emulsion

30% active, food-grade silicone emulsion

Features & Benefits

- Water-dilutable
- Foam control in food and chemical processes
- Easy to use
- Excellent food-grade antifoaming-persistency performance
- Economical
- Effective in both hot and cold systems
- Effective at low concentrations

Applications

Potential applications may include:

- Food processing
- Chemical manufacturing
- Agricultural chemicals
- Beverage manufacturing
- Meat, poultry and seafood applications
- Chemical fermentation operations
- Wastewater treatment
- Vegetable processing
- Formulating or processing aid for personal care products

Typical Properties

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

Property	Unit	Result
Appearance		White, off-white
Active Ingredient	%	30
Specific Gravity at 25°C (77°F)		1.0
Viscosity at 25°C (77°F)	cp	3000
Consistency at 25°C (77°F)		Thick
pH		2.4
Suitable Diluent		Cool water

Form No. 95-1212-01-0222 S2D

Description

XIAMETER™ AFE-1530 Antifoam Emulsion is a 30% active, food-grade silicone emulsion. This antifoam is water-dilutable and is effective in both hot and cold systems.

Food Regulation Status

To find the current food regulation status of XIAMETER™ AFE-1530 Antifoam Emulsion, please refer to the Food Contact Letter and Regulatory Data Sheet available on dow.com or contact Dow.

EPA Status

XIAMETER™ AFE-1530 Antifoam Emulsion is Approved under 40 CFR 180.910 (no limit) and 40 CFR 180.940(b) and (c) at a maximum of 22.8% in final pesticide formulations.

Kosher Acceptance

This antifoam is certified for use in the processing of kosher foods and kosher Passover.

Halal Acceptance

This antifoam is certified for use in the processing of halal foods.

Food Status in China and Japan

XIAMETER™ AFE-1530 Antifoam Emulsion has been approved for food contact use in China and Japan. For up-to-date food status information for these countries, contact your local sales representative.

GMO Status

XIAMETER™ AFE-1530 Antifoam Emulsion does not contain genetically modified organisms.

How to Use

Amount Needed

XIAMETER™ AFE-1530 Antifoam Emulsion is effective in very low concentrations. One to 10 parts of active silicone per million parts of foamer are sufficient to control foaming in many systems. Begin trials at higher use levels (10 ppm active silicone), then work down to the level of foam control desired.

Table 1: Parts per million equivalents:

To yield 10 ppm	
Antifoam	**Mixed in**
34 g	1000 kg
34 ml	1000 Liter

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 the 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.
3. If the system can provide adequate agitation to disperse the antifoam, the antifoam emulsion may be added directly with no predilution necessary.
4. Add the antifoam prior to the point where foaming occurs within the system, if possible.

How to Use (Cont.)

A preservative to guard against microbial growth is included in XIAMETER™ AFE-1530 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 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-1530 Antifoam Emulsion be gently agitated prior to use to ensure homogeneity.

XIAMETER™ AFE-1530 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.

XIAMETER™ AFE-1530 Antifoam Emulsion can gel over 35°C (95°F). If gel, allow to liquefy 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, dow.com or consult your local Dow representative.

Disposal Considerations

Dispose in accordance with all local, state (provincial) and federal regulations. Empty containers may contain hazardous residues. This material and its container must be disposed in a safe and legal manner.

It is the user's responsibility to verify that treatment and disposal procedures comply with local, state (provincial) and federal regulations. Contact your Dow Technical Representative for more information.

Product Stewardship

Dow has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our product stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our product stewardship program rests with each and every individual involved with Dow products - from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

Customer Notice

Dow strongly encourages its customers to review both their manufacturing processes and their applications of Dow products from the standpoint of human health and environmental quality to ensure that Dow products are not used in ways for which they are not intended or tested. Dow personnel are available to answer your questions and to provide reasonable technical support. Dow product literature, including safety data sheets, should be consulted prior to use of Dow products. Current safety data sheets are available from Dow.

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