



## Technical Data Sheet

### XIAMETER™ ACP-0001 Antifoam Compound

Silicone fluid for prevention of foam in water- and nonwater- based industrial processes  
INCI: Dimethicone

#### Features & Benefits

- Economical
- Easy to use
- Effective in low concentrations

#### Composition

- Compounded silicone fluid supplied as opaque, gray liquid

#### Applications

Effective in a variety of industrial processes and products. Typical uses include:

- Paper and textiles
- Distillation systems
- Asphalt manufacturing
- Lubricating

#### Typical Properties

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

Test	Unit	Result
Appearance		Opaque, Gray
Active Ingredient	%	100
Viscosity at 25°C (77°F)	cP	1500
Specific Gravity at 25°C (77°F)		0.97
Recommended Dispersants		Aliphatic, aromatic and chlorinated solvents and glycols

#### Description

XIAMETER™ ACP-0001 Antifoam Compound is a silicone foam control agent that is 100 percent active. Effective in both aqueous and nonaqueous systems, it can be used in concentrations as low as one part per million. This antifoam compound is specifically manufactured for industrial applications. Agitation of the product prior to use is required.

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XIAMETER™ ACP-0001 Antifoam Compound

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## How To Use

### Amount Needed

XIAMETER ACP-0001 Antifoam Compound is effective in very low concentrations. One to 100 parts antifoam 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:

3.34 ounces in 500 gallons = 50 ppm

6.67 ounces in 1,000 gallons = 50 ppm

16.68 ounces in 2,500 gallons = 50 ppm

5.0 quarts in 25,000 gallons = 50 ppm

### 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 a suitable low-viscosity diluent to aid dispersion. Add the antifoam to the diluent with slow mixing. Prediluted material should be used immediately.

For solvent systems, XIAMETER ACP-0001 Antifoam Compound may be predispersed in solvents such as kerosene, amyl acetate, 2-ethylhexanol, Stoddard solvent or toluene.

NOTE: When using any solvent, always provide adequate ventilation.

Follow precautions on solvent container label.

3. Add the antifoam prior to the point where foaming occurs within the system, if possible.
4. When used as supplied, the antifoam can also be wiped on filling nozzles, rims of processing vats or on a screen suspended over the surface of a foaming system.

## Halal Compliance

Please contact your local Dow representative for current Halal compliance documentation.

## Usable Life And Storage

Product should be stored at or below 32°C (90°F) in original, unopened containers.

## Shipping Limitations

None.

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

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

<http://www.xiameter.com>

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