



## Technical Data Sheet

### XIAMETER™ ACP-0001 Antifoam Compound-Food Grade

Compounded silicone fluid for foam preventative in food processing  
INCI: Simethicone

#### Features & Benefits

- Economical
- Easy to use
- Effective in low concentrations

#### Composition

- Compounded silicone fluid supplied as opaque, gray liquid

#### Applications

XIAMETER™ ACP-0001 Antifoam Compound-Food Grade, is an excellent foam preventative in a variety of food processes. Some typical applications include:

- Pesticide production
- Syrup processes
- Edible oil manufacturing
- Soaps and shampoos
- Rendering

#### Typical Properties

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

| Test                            | Unit | Result                     |
|---------------------------------|------|----------------------------|
| Appearance                      |      | Opaque, gray liquid        |
| Active Ingredient               |      | 100                        |
| Viscosity at 25°C (77°F)        | cP   | 1,500                      |
| Specific Gravity at 25°C (77°F) | 0.97 |                            |
| Consistency at 25°C (77°F)      |      | Medium                     |
| Suitable Dispersants            |      | Food-grade glycols or oils |

#### Description

XIAMETER ACP-0001 Antifoam Compound-Food Grade, is a silicone-based foam control agent that is 100 percent active. Effective in concentrations as low as one part per million, it is one of the most efficient, economical and widely used food-grade antifoams.

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|                            |   |
|----------------------------|---|
| FDA Status                 | XIAMETER ACP-0001 Antifoam Compound-Food Grade, complies with FDA Regulation 21 CFR 173.340, which covers secondary direct food additives used as defoaming agents and allows concentrations of up to 10 parts per million active silicone (dimethylpolysiloxane) in nonstandardized foods. This antifoam is also permissible as a component of paper that may come in contact with foods. See FDA Regulations 21 CFR 176.170 and 21 CFR 176.180.   |
| EPA Status                 | The ingredients in XIAMETER ACP-0001 Antifoam Compound-Food Grade, are listed in EPA Regulations, including 40 CFR 180.1001 for pesticide applications.   |
| Kosher Status              | Kosher certified product available.   |
| HALAL<br>Compliance        | Please contact your local Dow representative for current Halal compliance documentation.  |
| How To Use                 | <p><b>Amount Needed</b></p> <p>XIAMETER ACP-0001 Antifoam Compound-Food Grade, is effective in very low concentrations. One to 10 parts of antifoam per million parts foamer are sufficient to control foaming in many systems. Begin trials at higher use levels (10 ppm as supplied), then work down to the level of foam control desired. The following are parts per million equivalents:</p> <p>0.67 ounce in 500 gallons = 10 ppm<br/> 1.33 ounces in 1,000 gallons = 10 ppm<br/> 3.34 ounces in 2,500 gallons = 10 ppm<br/> 1.0 quart in 25,000 gallons = 10 ppm</p> <p><b>Adding the Antifoam</b></p> <p>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:</p> <ol style="list-style-type: none"> <li>1. Agitate the product prior to use.</li> <li>2. Predilute with 3 to 10 parts of a suitable low-viscosity diluent to aid in dispersion. Add the antifoam to the diluent with slow mixing. Prediluted material should be used immediately. Two commonly used diluents are food-grade propylene glycol (for aqueous dispersion) and vegetable oil (for nonaqueous systems).</li> <li>3. Add the antifoam prior to the point where foaming occurs within the system, if possible.</li> <li>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.</li> </ol> |
| Usable Life And<br>Storage | Product should be stored at or below 32°C (90°F) in original, unopened containers.  |

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|--|---|
| Handling<br>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 <a href="http://WWW.CONSUMER.DOW.COM">WWW.CONSUMER.DOW.COM</a> , 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.<br><br>Not intended for human injection.   |
| Shipping<br>Limitations                    | None.   |
| Health And<br>Environmental<br>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.<br><br>For further information, please see our website, <a href="http://www.consumer.dow.com">www.consumer.dow.com</a> or consult your local Dow representative.   |

<http://www.xiameter.com>

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