



Technical Data Sheet

XIAMETER™ ACP-1500 Antifoam Compound

100% active silicone antifoam compound

Features & Benefits

- Odorless and tasteless
- Effective in hot or cold processes
- Sterilizable
- Performs at low concentrations
- Approved for food contact (see Food Regulation Status)
- Free of raw materials derived from animals

Applications

- Areas where a food-contact product is required due to the nature of the process (Food-contact substance: Any substance used as a component during the manufacture of articles, which in their finished state, are intended to be brought and/or are brought temporarily or permanently in contact with foodstuffs)
- Efficient in aqueous and nonaqueous foaming systems
- Control of foam during dispersion of powdered agrochemical formulation in aqueous media
- Control of foam by treatment of one component of a powder mix – the mix can then be dispersed with good foam control

Typical Properties

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

Property	Unit	Result
Appearance		Gray white opaque liquid
Active Antifoam	%	100
Viscosity at 25°C LVT, sp 2, 65 pm	mPa.s	900
Volatile Content, 15 g, 200°C (392°F), 4 hr	% max	2
Specific Gravity		1.0
Flash Point, Closed Cup	°C	> 100
	°F	> 212

How to Use

XIAMETER™ ACP-1500 Antifoam Compound can be used in non-aqueous systems, neat or dispersed in solvent. If diluted, it should be used within 8 to 12 hours. Some separation may occur, but stirring reconstitutes the dispersion. The product may also be mechanically dispersed with one of the foaming system ingredients. This antifoam can be added to the foaming medium:

- On a continuous basis using a suitable metering pump or similar type of equipment capable of pumping high viscosity liquids
- On a shot-injection basis, i.e., on demand
- By wiping on filling nozzles, rims of processing vats or by smearing on screens or wire gauzes suspended over the surface of the foaming system

Recommended starting concentration is 10 ppm.

Food Regulation Status

XIAMETER™ ACP-1500 Antifoam Compound was specifically formulated for applications where food-contact aspects are important. Listed below is a summary of the status of XIAMETER™ ACP-1500 Antifoam Compound in the context of the regulations as defined by FDA (USA) and EU (European Directives).

Final compliance with these regulations is the responsibility of the end-product manufacturer.

FDA Status

All ingredients comply with the following FDA sections:

- 173.340 – Defoaming agents
- 175.105 – Adhesives
- 176.170 – Components of paper and paperboard in contact with aqueous and fatty foods
- 176.180 – Components of paper and paperboard in contact with dry foods
- 176.210 – Defoaming agents used in the manufacture of paper and paperboard

EPA Status

- Listed in EPA Regulations, including 40 CFR 180.1001 for pesticide applications
- Exempt from tolerances at 40 CFR 180.910, 40 CFR 180.920 and 40 CFR 180.960

Kosher Status

Kosher certified product available. Contact your local representative for current compliance information.

Halal Compliance

Please contact your local representative for current Halal compliance documentation.

European Community Directives

- 95/2 Part 1/2 – Jam, jellies and marmalades as defined in Directive 79/693/EEC and similar fruit spreads, including low calorie products: maximum 10 mg/kg. Soups and broths: maximum 10 mg/kg. Oils and fats for frying: maximum 10 mg/kg. Confectionery (excluding chocolate): maximum 10 mg/kg. Non-alcoholic flavored drinks: maximum 10 mg/L. Pineapple juice maximum: 10 mg/L. Canned and bottled fruit and vegetables: maximum 10 mg/kg. Chewing gum: maximum 100 mg/kg.
- 95/2 Part 2/2 – (pro memoria) Wine in accordance with Regulation (EEC) No. 1873/84 authorizing the offer or disposal for direct human consumption of certain imported wines that may have undergone oenological processes not provided for in Regulation (EEC) No. 337/79. Sød...saft: maximum 10 mg/L. Batters: maximum 10 mg/kg. Cider (excluding cidre bouché): maximum 10 mg/L. Flavorings: maximum 10 mg/kg.
- 90/128/EC – The EU Directive 2002/72/EC and its amendments up to and including Directive 2004/19/EC, relating to plastic materials and articles intended to come into contact with foodstuffs.

Origin of Ingredients

XIAMETER™ ACP-1500 Antifoam Compound contains ingredients that have been prepared solely from synthetic sources. It does not contain any genetically modified organisms or materials of animal origin.

EU Food Contact Legislation

This product has been assessed for applications intended to come into contact with food. Please refer to our European Food Contact Regulatory Status document for further details.

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 at or below 40°C (104°F) in original, unopened containers.

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.

dow.com

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