



Consumer Solutions

Silicone Foam Control by Application

XIAMETER™

Global Application Guide

Silicone foam control products from Dow have been designed to safely and efficiently reduce problems with foam during process or as formulator aid. This guide features a number of silicone antifoams by application.

Remember, every foaming situation is unique. The products listed may or may not be appropriate for your application. For specific foam-control product recommendations, contact us through our website: consumer.dow.com/contactus.

Product technical data sheets and selection guides are available at consumer.dow.com. If you are interested in Dow's specialty antifoam solutions for coating/paint/ink applications, please visit consumer.dow.com/coatings.

Here are the key questions to ask to identify the best product to select as your antifoam:

- What is your market, process?
- Is your system sensitive to silicone?
- What is the foam negative impact?
- Which antifoam performances are needed?
- At what stage of the process does the foam occur?
- What is the foaming solution?
- What is the temperature of foaming solution?
- How is the foam generated?
- Is an antifoam currently used?
- Regulation requirement?

Application	Product	Details
Agro	XIAMETER™ ACP-0100 Antifoam Compound, XIAMETER™ ACP-1400 Antifoam Compound or XIAMETER™ ACP-1500 Antifoam Compound	Agrochemicals pesticide or herbicide
	XIAMETER™ AFE-1510 Antifoam Emulsion, XIAMETER™ AFE-1520 Antifoam Emulsion or XIAMETER™ AFE-1530 Antifoam Emulsion*	Agrochemicals pesticide or herbicide
Bioethanol Production	XIAMETER™ AFE-1520 Antifoam Emulsion or XIAMETER™ AFE-1530 Antifoam Emulsion*	Fermentation antifoam
Chemical Manufacturing	XIAMETER™ ACP-0100 Antifoam Compound or XIAMETER™ ACP-1400 Antifoam Compound	Polypropylene refinery, epoxy resin manufacturing
	XIAMETER™ AFE-1520 Antifoam Emulsion or XIAMETER™ AFE-1530 Antifoam Emulsion*	Expanded polystyrene process (beverage cup)
	XIAMETER™ AFE-1520 Antifoam Emulsion or XIAMETER™ AFE-1530 Antifoam Emulsion*	Latex
	XIAMETER™ AFE-0700 Antifoam Emulsion	Nylon production
Construction	XIAMETER™ ACP-1266 Antifoam Compound	Super plasticizer antifoam
	XIAMETER™ ACP-0100 Antifoam Compound	Super plasticizer antifoam
	XIAMETER™ AFE-2210 Antifoam Emulsion	Super plasticized mortar antifoam
	XIAMETER™ AFE-0400 Antifoam Emulsion	Super plasticized mortar antifoam
	DOWSIL™ AFE-7600 Antifoam Emulsion	Metalworking fluid
	XIAMETER™ AFE-1247 Antifoam Emulsion	Metalworking fluid
Cosmetic	XIAMETER™ ACP-1266 Antifoam Compound	Metalworking fluid
	XIAMETER™ AFE-1510 Antifoam Emulsion, XIAMETER™ AFE-1520 Antifoam Emulsion or XIAMETER™ AFE-1530 Antifoam Emulsion*	Hair care applications. Process aid: foam control during shampoo production. Formulation aid: hair dye, oil for hair and body scrub.

Household	XIAMETER™ AFE-0110 Antifoam Emulsion, XIAMETER™ AFE-0310 Antifoam Emulsion, XIAMETER™ AFE-1410 Antifoam Emulsion or XIAMETER™ AFE-1430 Antifoam Emulsion	Deaeration, liquid detergent, fabric softener
	XIAMETER™ ACP-1400 Antifoam Compound or XIAMETER™ ACP-0100 Antifoam Compound	Liquid detergent, slurry deaeration
	XIAMETER™ ACP-0544 Antifoam Compound	Liquid detergent, slurry deaeration
	XIAMETER™ ACP-3425 Antifoam Compound	Liquid detergent, slurry deaeration
	XIAMETER™ APW-4248 Powdered Antifoam	Powder detergent
Oil and Gas	XIAMETER™ AFE-0110 Antifoam Emulsion or XIAMETER™ AFE-1410 Antifoam Emulsion	Gas treatment, drilling mud, wastewater treatment
	DOWSIL™ FBL-1165 Formulated Blend (dispersion)	Gas oil separator, delayed coker
Paint/Coating/Ink	XIAMETER™ AFE-2210 Antifoam Emulsion	Low cost deaerator/antifoam
Paper Tissue	XIAMETER™ AFE-0100 Antifoam Emulsion	Wipes antifoam
Pulp and Paper	DOWSIL™ ACP-3258 Antifoam Compound	Softwood and hardwood pulp aid
	DOWSIL™ ACP-3056 Antifoam Compound	Softwood pulp aid
	DOWSIL™ AFE-3101 Antifoam Emulsion	Softwood pulp aid
	DOWSIL™ AFE-7500 Antifoam Emulsion	Softwood and hardwood pulp aid
Textile	XIAMETER™ ACP-0544 Antifoam Compound	Jet dyeing, finishing, polymerization
	XIAMETER™ AFE-0050 Antifoam Emulsion	Desizing, dyeing, jet dyeing, finishing
	XIAMETER™ ACP-1266 Antifoam Compound	Sizing, desizing, scouring, dyeing, printing, finishing, polymerization
	XIAMETER™ ACP-1400 Antifoam Compound or XIAMETER™ ACP-0100 Antifoam Compound	Sizing, desizing
	XIAMETER™ ACP-3183 Antifoam Compound	Sizing, manufacturing
	XIAMETER™ AFE-0700 Antifoam Emulsion	Sizing, desizing, dyeing, printing
	XIAMETER™ AFE-0400 Antifoam Emulsion	Sizing, dyeing, finishing, manufacturing
	XIAMETER™ AFE-1430 Antifoam Emulsion or XIAMETER™ AFE-0310 Antifoam Emulsion	Desizing, finishing, manufacturing
Waste Treatment Plant	XIAMETER™ AFE-1520 Antifoam Emulsion or XIAMETER™ AFE-1530 Antifoam Emulsion*	Including biological methods such as anaerobic and aerobic digestion (activated sludge) to treat the wastewater
	XIAMETER™ AFE-0110 Antifoam Emulsion or XIAMETER™ AFE-0310 Antifoam Emulsion	Physical methods such as sedimentation to treat the wastewater. Chemical methods such as oxidation to treat the wastewater. In the sludge-conditioning tanks of wastewater treatment plants.

*XIAMETER™ AFE-1530 Antifoam Emulsion may be suitable for this application, but its efficacy has not been tested.

Learn More

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