

BAYSILONE* ANTIFOAM CF
SILICONE ANTIFOAM COMPOUND

PRODUCT DESCRIPTION

Baysilone Antifoam CF is a compound of a high-molecular weight, modified polydimethylsiloxane. Baysilone Antifoam CF is chemically inert and can be used over the entire pH range. Under normal conditions, the active substance does not evaporate. Baysilone Antifoam CF is used primarily as an intermediate in the production of antifoam emulsions.

KEY PERFORMANCE PROPERTIES

- Can destroy and control foam effectively at very low concentrations.
- Baysilone Antifoam CF is non-volatile, and can thus be used at elevated application temperatures.
- Baysilone Antifoam CF possess a high foam knock-down potential.
- Can be used to control foam in many lipophilic and organic systems.

PHYSICAL PROPERTIES

PROPERTY	UNIT	VALUE
Physical Form	-	Pourable, grey liquid
Silicone solids	%	100
Density at 20°C	g·cm ⁻¹	1.0
Viscosity at 20°	mm ² ·s ⁻¹	1500-4000
Flash point	°C	~ 350
Dispersible in:	-	Petrol, aromatics, esters, and other non-polar solvents
Insoluble in:	-	Water, lower alcohols, and other polar solvents

Table 1: Typical product data values determined on commercial material whose properties might vary within the specification limits. Typical product data values should not be used as specifications. Assistance and specifications are available from Momentive Performance Materials. Information on regulatory status (e.g. FDA, BfR) also available.

APPLICATION

Baysilone Antifoam CF is a 100% silicone based active material useful as antifoam process aid in oil or solvent based systems, as well as thick water based pastes or slurries such as non-aqueous printing inks, agrochemicals, cleaners and detergents, lubricants, resin handling/manufacturing, sludge dewatering and chemical separations/distillations.

How to use:

Dilution: Add 3 to 10 parts of the process liquid to 1 part antifoam; stir gently until a uniform mixture is reached. Since this mixture is not necessarily stable, ensure product uniformity over long storage periods by gentle periodic mixing.

Use Baysilone Antifoam CF as received or dilute first with your process liquid (Table 1). Mix the antifoam prior use to maximize results.



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APPLICATION
(continued)

Baysilone Antifoam CF	Volume of process liquor	Yielded ppm of antifoam in process liquor
1 Litre dilutes in	1m ³	1000
	2m ³	500
	10m ³	100
	100m ³	10

Table 1: Baysilone Antifoam CF Antifoam concentrations and parts per million equivalents in the process liquor.

PACKAGING

Baysilone Antifoam CF is available in 200kg drums and 1000kg intermediate bulk containers (IBCs).

PRODUCT
SAFETY

When considering the use of any Momentive Performance Materials products in a particular application, you should review our latest Material Safety Data Sheets and undertake appropriate testing to ensure that your intended use can be accomplished safely. For Material Safety Data Sheets and other product safety information, contact the Momentive Performance Materials sales office nearest you. Before handling any of the products mentioned in the text, please obtain available product safety information and take necessary steps to ensure safety of use.



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PRINCIPAL LOCATIONS – Regional Information

North America	World Headquarters 187 Danbury Road Wilton, CT 06897, USA	T 800.295.2392	F 607.754.7517
Latin America	Rodovia Eng. Constâncio Cintra, Km 78,5 Itatiba, SP – 13255-700, Brazil	T +55.11.4534.9650	F +55.11.4534.9660
Europe, Middle East, Africa and India	D-51368 Leverkusen Germany	T 00.800.4321.1000 T +31.164.293.276	F +31.164.241.750
Pacific	Akasaka Park Building - 5-2-20 Akasaka Minato-ku, Tokyo 107-6112 Japan	T +81.3.5544.3100	F +81.3.5544.3101

CUSTOMER SERVICE CENTERS

North America	E cs-na.silicones@momentive.com	Charleston, WV 25314, USA	
	• Specialty Fluids	T 800.523.5862	F 304.746.1654
	• UA, Silanes, Resins, and Specialties	T 800.334.4674	F 304.746.1623
	• RTV Products-Elastomers	T 800.332.3390	F 304.746.1623
	• Sealants and Adhesives & Construction	T 877.943.7325	F 304.746.1654
Latin America	E cs-la.silicones@momentive.com		
	• Argentina & Chile	T +54.11.4862.9544	F +54.11.4862.9544
	• Brazil	T +55.11.4534.9650	F +55.11.4534.9660
	• Mexico & Central America	T +52.55.5899.5135	F +52.55.5899.5138
	• Venezuela, Ecuador, Peru, Colombia, & Caribbean	T +58.212.285.2149	F +58.212.285.2149
Europe, Middle East, Africa and India	E cs-eur.silicones@momentive.com	T 00.800.4321.1000 T +31.164.293.276	F +31.164.241750
Pacific	E cs-ap.silicones@momentive.com		
	• Japan	T +81.276.20.6182	
	• China	T +86.21.5050.4666 (ext. 1523)	
	• Korea	T +82.2.6201.4600	
	• Singapore	T +65.6220.7022	

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