

## SagTex™ PhD Silicone Antifoam

### Product Description

SagTex PhD silicone antifoam is a high-performance antifoam emulsion designed for multiple uses in the textile industry. The product typically offers very good initial foam knockdown and excellent durability at concentrations less than half that of competitive silicone antifoams. Additionally, SagTex PhD silicone antifoam gives a homogeneous dilution in water or bath formulations with no oiling or agglomerates.

### Key Features and Typical Benefits

- Long durability in acidic or alkaline conditions
- Outstanding durability at low add on levels
- Effective performance at significantly lower use levels than competitive antifoams
- Excellent foam control at ambient and elevated temperatures
- Rapid foam knockdown
- No oily spots or agglomerates when diluted with water
- Easily dispersed in hard water

### Typical Physical Properties

Appearance	Milky white liquid
Active Content, %	45
Viscosity at 25 °C / 77 °F (Brookfield LVT No. 3, 30 RPM), cP	1500-2500
Emulsifier Type	O/W, nonionic
Specific Gravity at 25 °C / 77 °F	1.0
pH	8

Typical properties are average data and are not to be used as, or to develop, specifications.

### General Considerations for Use

SagTex PhD silicone antifoam is a medium viscosity emulsion that can be easily transferred from its original package using piston pumps. Centrifugal pumps are not recommended, as they risk destabilizing, and in extreme cases, separating the emulsion. In low-viscosity formulations, preliminary stability and compatibility studies must be conducted prior to formulation design.

For process application, we recommend prediluting SagTex PhD silicone antifoam with cold water (less than 18 °C) in a ratio of 1:1 to 1:20. If the diluted SagTex PhD silicone antifoam will be stored before use, then care must be taken to ensure the stability of dilution. Stability can be extended by adding small amounts of a suitable thickening agent, such as xanthan gum or polyacrylates, to the diluting water. Commercial biocides containing 2-Methyl-4-Isothiazolin-3-one and/or 2-Bromo-2-nitro-1,3-propanediol are very effective in this type of product. A suggested starting concentration is typically between 0.1 and 2 percent, but this will vary depending on the severity of the foaming problem.

### Patent Status

Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute the permission, inducement, or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

### Product Safety, Handling, and Storage

Customers should review the latest Safety Data Sheet (SDS) and label for product safety information, safe handling instructions, personal protective equipment, if necessary, emergency service contact information, and any special storage conditions required for safety. Momentive Performance Materials (MPM) maintains an around-the-clock emergency service for its products. SDS are available at [www.momentive.com](http://www.momentive.com) or, upon request, from any MPM representative. For product storage and handling procedures to maintain the product quality within our stated specifications, please review Certificates of Analysis, which are available in the Order Center. Use of other materials in conjunction with MPM products (for example, primers) may require additional precautions. Please review and follow the safety information provided by the manufacturer of such other materials.

### Limitations

Customers must evaluate Momentive Performance Materials products and make their own determination as to fitness of use in their particular applications.

## Customer Service Centers

For additional information, please contact our Customer Service Team

<b>AMERICAS</b>	+1 800 295 2392 Toll Free* +704 805 6946 Direct Number
<b>LATIN AMERICA</b>	<b>BRAZIL</b> +55 11 4534 9650 Direct Number <b>MEXICO</b> +52 55 2169 7670 Direct Number *All American countries
<b>EMEI - EUROPE, MIDDLE EAST, AFRICA &amp; INDIA</b>	<b>EUROPE</b> +390510924300 Direct Number <b>INDIA, MIDDLE EAST &amp; AFRICA</b> +91 44 71212207 Direct Number* *All Middle Eastern countries, Africa, India, Pakistan, Bangladesh, Sri Lanka
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260 Hudson River Road  
Waterford, NY 12188 USA  
[momentive.com](http://momentive.com)