

SAG™ 672 Antifoam Emulsion

Product Description

SAG 672 antifoam emulsion is a highly effective and durable silicone antifoam emulsion that can offer excellent foam control in a variety of surfactant concentrates and foaming processes. It typically displays superior dispersibility in both non-ionic and anionic aqueous foaming media and has excellent alkaline stability.

SAG 672 antifoam emulsion allows foam control over a broad pH range (3 - 12).

Key Features and Typical Benefits

- exceptional antifoam efficiency in surfactant-rich systems
- good compatibility with a wide range of surfactant concentrates
- fast foam knockdown
- excellent foam control at elevated temperature
- long durability in acid and alkaline conditions
- good dilution stability
- superior dispersibility in the foaming media

Typical Physical Properties

Appearance	Milky-white emulsion
Form	Pourable liquid
Solid Content (%)	21
Viscosity, (25°C, after stirring), cps	1200
pH	8.5
Ionic Character	Non-ionic
Suitable Diluent	Water

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

Potential Applications

This antifoam has found utility in many textile wet processing applications such as:

- foam control in textile pre-treatment processes and textile print pastes
- textile sizing and scouring agents
- acrylic latexes and thickeners used for textile and nonwovens
- leather tanning
- other chemical processes requiring foam control

General Considerations for Use

If SAG 672 antifoam emulsion is intended to be used in surfactant concentrates, it is recommended that SAG 672 antifoam emulsion be dosed in as received, i.e. without any predilution. Following its addition, carry out slow to moderate mixing to ensure complete and homogeneous dispersion of the antifoam. Typical use levels range between 0.1 to 0.5 % depending on the formulation and the degree of foam control required.

For process applications, we recommend pre-diluting SAG 672 antifoam emulsion with water in a ratio of 1:1 to 1:10.

For long-term bulk stability of dilutions, use a thickened water diluent, e.g. Polyacrylates.

Commercial biocides containing 2-Methyl-4 Isothiazolin-3 ones and/or 2-Bromo-2-nitro-1,3-propanediol typically are very effective biocides for SAG 672 antifoam emulsion dilutions. We recommend that 10 - 500 ppm of as-received product be evaluated initially and adjust use levels according to the observed performance.

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 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

AMERICAS	+1 800 295 2392 Toll Free* +704 805 6946 Direct Number
LATIN AMERICA	BRAZIL +55 11 4534 9650 Direct Number MEXICO +52 55 2169 7670 Direct Number *All American countries
EMEA – EUROPE, MIDDLE EAST, AFRICA & INDIA	EUROPE +390510924300 Direct Number INDIA, MIDDLE EAST & AFRICA +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