

SAG* 672 antifoam emulsion

SPECIALTY FLUIDS - TEXTILES & LEATHER



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

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

| Typical Physical Properties | |
|--|----------------------|
| Property | Value |
| 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 product data values should not be used as specifications. Assistance and specifications are available by contacting Momentive sales office.

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General Instructions 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.

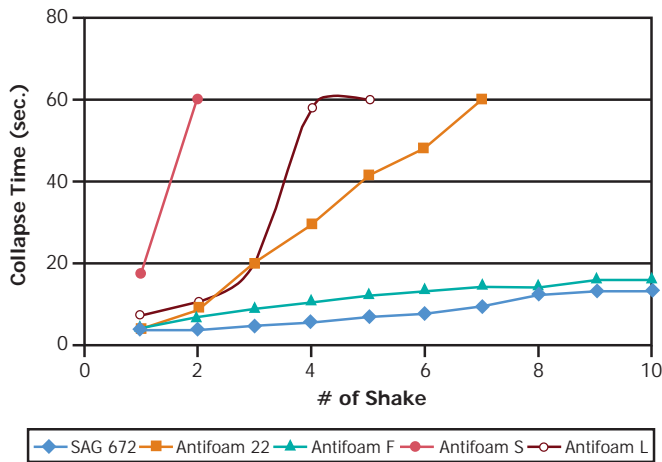
For process applications, we recommend pre-diluting SAG 672 antifoam emulsion with water in a ratio of 1:1 to 1:10. For long-term bulk stability of dilutions, use a thickened water diluent, *e.g.* Polyacrylates. Commercial biocides containing 2-Methyl-4 Isothiazolin-3 ones and/or 2-Bromo-2-nitro-1,3-propanediol 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.

Performance Data

Glass bottles containing 1% Sodium DodecylBenzene Sulphonate solution and 300 ppm of SAG 672 antifoam emulsion were vertically shaken using a laboratory wrist action shaker. 10 shakes were carried out; each one lasting 1 minute. Immediately at the end of each shake, the collapse time was recorded. Figure 1 below exhibits the results.

The data shows the fast knockdown of SAG 672 antifoam emulsion as well as its outstanding durability.

Figure 1



Test results. Actual results may vary.

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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 considering the use of this product should review the latest Material Safety Data Sheet and label for product safety information, handling instructions, personal protective equipment if necessary, and any special storage conditions required. Material Safety Data Sheets are available at www.momentive.com or, upon request, from any Momentive Performance Materials representative. Use of other materials in conjunction with Momentive Performance Materials products 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.

Emergency Service

Momentive Performance Materials maintains an around-the-clock emergency service for its products.

| <u>Location</u> | <u>Emergency Service Provider</u> | <u>Emergency Contact Number</u> |
|--------------------------------|---|---------------------------------|
| Mainland U.S., Puerto Rico | CHEMTREC | 1-800-424-9300 |
| Alaska, Hawaii | CHEMTREC | 1-800-424-9300 |
| Canada | CHEMTREC | 1-800-424-9300 |
| Europe, Israel | NCEC | +44 (0) 1235239670 |
| Middle East | NCEC | +44 (0) 1235239671 |
| Asia Pacific (except China) | NCEC | +44 (0) 1235239670 |
| China | NCEC | +86-10-5100-3039 |
| Latin America (except Brazil) | NCEC | +44 (0) 1235239670 |
| Brazil | SOS Cotec | 08000111767 or 08007071767 |
| All other locations world wide | NCEC | +44 (0) 1235239670 |
| At sea | Radio U.S. Coast Guard in U.S. waters NCEC in International waters | +44 (0) 1235239670 |

For Health related calls, contact Momentive Performance Materials at +1-518-233-2500 (English only).

DO NOT WAIT. Phone if in doubt. You will be referred to a specialist for advice.

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