

## SAG™ 1572

### SAG\* 1572

#### Description

The new SAG 1572 silicone antifoam emulsion is a high performance foam control agent, using recent advances in silicone technology.

SAG 1572 silicone antifoam emulsion provides excellent initial foam control as well as the ability to maintain foam control properties over longer periods compared to other silicone antifoams. As a result, SAG 1572 silicone antifoam emulsion can be used at lower use levels than conventional silicone antifoams.

SAG 1572 silicone antifoam emulsion can be evenly dispersed in water-based agricultural formulations and surfactant concentrates, yielding mixtures with excellent storage stability. In these blends, SAG 1572 silicone antifoam emulsion provides excellent foam control in a wide pH range, over a long period.

SAG 1572 silicone antifoam emulsion is very effective in many agricultural applications, as foam control agent for pesticides, during production, packaging and spray tank operations.

#### Key Features and Benefits

- High defoaming performance
- Excellent ability to manage difficult-to-control foaming systems
- Rapid defoaming when the antifoam is initially applied to the foaming system
- Long lasting foam inhibition
- Easy and rapid dispersal in aqueous systems and surfactant concentrates
- Performs well over a broad pH range

- Meets EPA 40CFR§180.920

### Typical Physical Properties

|                                       |               |
|---------------------------------------|---------------|
| Appearance                            | Opaque liquid |
| % Solids Content                      | 33            |
| % Actives Content                     | 20            |
| Viscosity 25°C (LVT No 3, 30 rpm), cP | 1200          |
| Emulsifier System                     | non-ionic     |
| Specific Gravity                      | 1.0           |
| pH                                    | 8             |

### Product Usage

SAG 1572 silicone antifoam emulsion is a medium viscosity silicone antifoam emulsion that is an excellent candidate for commercial use in both water-based systems and surfactant concentrates. It can therefore be added directly to these systems without pre-dilution and mixed with slow to moderate agitation to ensure a complete and homogenous dispersion.

The addition levels of SAG 1572 silicone antifoam emulsion, when used in the final foaming system, will be dependent upon the nature of the foaming system and the type of agitation generating the foam. A recommended starting point is addition of sufficient SAG 1572 silicone antifoam emulsion that would give between 1 ppm and 50 ppm of antifoam (based on % solids) into the final foaming formulation.

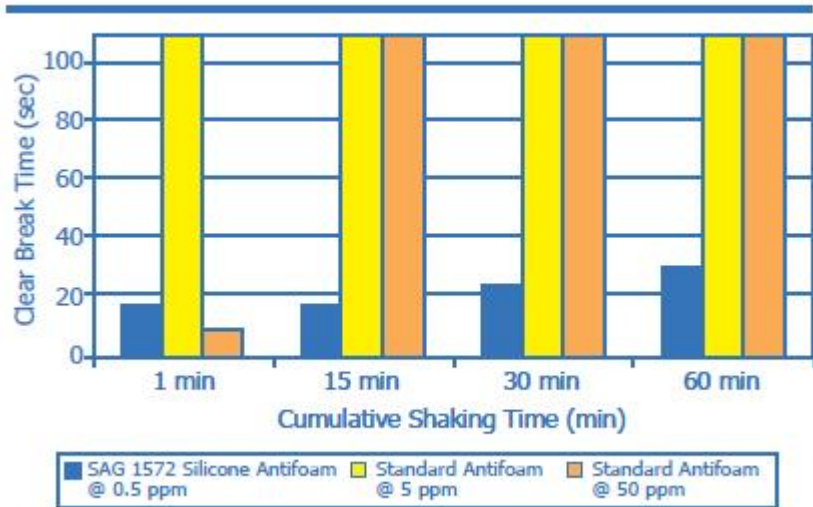
As with any water-based formulation, it is recommended to confirm that the foam control agent remains dispersed once added to the pesticide formulation.

### Processing Recommendations

SAG 1572 silicone antifoam emulsion provides a high level of performance in pesticide formulations. Figure 1 illustrates the shake test results with the foam clear break times corresponding to increasing shake time intervals. This figure demonstrates that, even at lower use levels than typically practiced with conventional antifoam agents, SAG 1572 silicone antifoam emulsion provides excellent performance in a commercial glyphosate formulation. Additionally, SAG 1572 silicone antifoam emulsion provides much improved durability; SAG 1572 silicone antifoam emulsion maintains high

performance even after 60 minutes of agitation, while larger concentrations of standard antifoam agents start losing activity after 15 minutes.

Figure 1: Antifoam Efficiency in 2.5% Glyphosate Formulation



### Dispersibility

Effective dispersibility in agrochemical formulations is an issue with conventional foam control agents. However, the new SAG 1572 silicone antifoam emulsion offers much improved compatibility with many adjuvants and “In-can” pesticide formulations. Figure 2 illustrates the dispersion stability of SAG 1572 silicone antifoam emulsion in a typical non-ionic surfactant based adjuvant system. In this example, SAG 1572 silicone antifoam emulsion remains homogeneously dispersed for greater than two months, while typical foam control agents show significant signs of separation after a few days.

Figure 2: SAG 1572 silicone antifoam emulsion at 0.3% use level in a non-ionic spray adjuvant formulation.

---



**Patent Status**

Standard copy to come

**Product Safety, Handling and Storage**

Standard copy to come

**Limitations**

Standard copy to come

**Contact Information**

Email

[commercial.services@momentive.com](mailto:commercial.services@momentive.com)

**Telephone**

**Americas**

**Latin America**

**EMEAI- Europe, Middle  
East, Africa & India**

**ASIA PACIFIC**

|                         |                  |  |                  |
|-------------------------|------------------|--|------------------|
| +1 800 295 2392         | <b>Brazil</b>    | <b>Europe</b>  | <b>China</b>     |
| Toll free*              | +55 11 4534 9650 | +390510924300  | 800 820 0202     |
| +704 805 6946           | Direct Number    | Direct number  | Toll free        |
| Direct Number           |                  |  | +86 21 3860 4892 |
|                         |                  |  | Direct number    |
| *All American countries | <b>Mexico</b>    | <b>India, Middle East &amp; Africa</b>               | <b>Japan</b>     |
|                         | +52 55 2169 7670 | + 91 44 71212207                                     | +81 3 5544 3111  |
|                         | Direct Number    | Direct number*                                       | Direct number    |
|                         |                  | <b>*All Middle Eastern countries, Africa, India,</b> | <b>Korea</b>     |
|                         |                  |  | +82 2 6201 4600  |

For literature and technical assistance, visit our website at: [www.momentive.com](http://www.momentive.com)

#### DISCLAIMER:

**THE MATERIALS, PRODUCTS AND SERVICES OF MOMENTIVE PERFORMANCE MATERIALS INC. AND ITS SUBSIDIARIES AND AFFILIATES (COLLECTIVELY “SUPPLIER”), ARE SOLD SUBJECT TO SUPPLIER’S STANDARD CONDITIONS OF SALE, WHICH ARE INCLUDED IN THE APPLICABLE DISTRIBUTOR OR OTHER SALES AGREEMENT, PRINTED ON THE BACK OF ORDER ACKNOWLEDGMENTS AND INVOICES, AND AVAILABLE UPON REQUEST. ALTHOUGH ANY INFORMATION, RECOMMENDATIONS, OR ADVICE CONTAINED HEREIN IS GIVEN IN GOOD FAITH, SUPPLIER MAKES NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, (i) THAT THE RESULTS DESCRIBED HEREIN WILL BE OBTAINED UNDER END-USE CONDITIONS, OR (ii) AS TO THE EFFECTIVENESS OR SAFETY OF ANY DESIGN INCORPORATING ITS PRODUCTS, MATERIALS, SERVICES, RECOMMENDATIONS OR ADVICE. EXCEPT AS PROVIDED IN SUPPLIER’S STANDARD CONDITIONS OF SALE, SUPPLIER AND ITS REPRESENTATIVES SHALL IN NO EVENT BE RESPONSIBLE FOR ANY LOSS RESULTING FROM ANY USE OF ITS MATERIALS, PRODUCTS OR SERVICES DESCRIBED HEREIN.** Each user bears full responsibility for making its own determination as to the suitability of Supplier’s materials, services, recommendations, or advice for its own particular use. Each user must identify and perform all tests and analyses necessary to assure that its finished parts incorporating Supplier’s products, materials, or services will be safe and suitable for use under

end-use conditions. Nothing in this or any other document, nor any oral recommendation or advice, shall be deemed to alter, vary, supersede, or waive any provision of Supplier's standard Conditions of Sale or this Disclaimer, unless any such modification is specifically agreed to in a writing signed by Supplier. No statement contained herein concerning a possible or suggested use of any material, product, service or design is intended, or should be construed, to grant any license under any patent or other intellectual property right of Supplier covering such use or design, or as a recommendation for the use of such material, product, service or design in the infringement of any patent or other intellectual property right.

\*SAG™是 Momentive Performance Materials Inc. 的商标

The use of the "™" symbol designates registered or unregistered trademarks of Momentive Performance Materials Inc. or its affiliated companies. Momentive and the Momentive logo are trademarks of Momentive Performance Materials Inc.