

## SAG™ 5693 Antifoam

### Description

SAG 5693 antifoam is a one hundred percent active antifoam. That performance combined with a minimal effect on oxygen transfer makes SAG 5693 antifoam an excellent candidate for specialty applications ranging from aerobic mold and fungal fermentations to hydraulic fluids to soluble cutting fluids.

### Key Features and Typical Benefits

- Maximum fermentor throughput
- Excellent foam control performance in aerobic fermentation processes
- Low oxygen transfer suppression in fermentation processes
- Good solubility in lard/soybean/vegetable oils
- Easy to use
- Autoclavable
- Halal Certified <sup>(1)</sup>

(1) This product is produced under the supervision of the Islamic Food and Nutrition Council of America (IFANCA). This product is in compliance with the halal requirements under Islamic laws.

### Typical Physical Properties

|   |                       |
|---|-----------------------|
| Appearance                              | Colorless             |
| Active Ingredient Content, %            | 100                   |
| Specific Gravity, 25/25 °C              | 1.002                 |
| Viscosity at 25 °C (after stirring), cP | 350                   |
| Shelf Life, months                      | 24                    |
| Suitable Diluents                       | Process liquids, oils |

### Potential Applications

SAG 5693 antifoam is an excellent candidate to be considered for use in fermentation processes including in mold and fungal fermentations. It also has application in sugar beet processing and yeast fermentation.

### General Considerations for Use

SAG 5693 antifoam may be used as received or diluted first with the process liquid. Mix the antifoam upon opening the package to maximize results (Table 1).

- Dilution: Mix 3 to 10 parts of the process liquid to 1 part antifoam; stir gently until a uniform mixture is reached. Ensure product uniformity over long storage periods by gentle periodic mixing.
- For maximum cost-effectiveness: Predilute SAG 5693 antifoam and add continuously at a process segment prior to foaming.
- We suggest starting concentrations of 10 to 200 ppm.

| Concentration of SAG 5693 antifoam (from container) | Parts per Million SAG 5693 antifoam (As received) |
|---|---|
| 4 pints in 500 gallons                              | =1000   |
| 1 gallon in 2000 gallons                            | = 500   |
| 1 gallon in 10,000 gallons                          | = 100   |
| 2.5 gallons in 50,000 gallons                       | = 50  |

Conversion Factors: 1 gallon = 3.785 liters; 1 pint = 0.473 liters

### Regulatory Compliance

#### FDA

Compositionally compliant with 21 CFR 173.340 and is appropriate for consideration for use as a defoaming agent used in the processing of beet sugar and yeast in accordance with the conditions specified and limitations imposed by this regulation. Please consult the FDA regulations for specifications and limitations, which may apply. The customer has the sole responsibility for determining that their product complies with all applicable FDA specifications and limitations and is fit for food contact use.

#### Kosher Certification

Manufactured under the supervision of the Kashruth Division of the Union of Orthodox Jewish Congregations of America, and is kosher and pareve when bearing the O.U. symbol of certification on the label. The product is kosher for Passover.

### Halal Certified

This product is produced under the supervision of the Islamic Food and Nutrition Council of America (IFANCA). This product is in compliance with the halal requirements under Islamic laws.

### Patent Status

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### 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.

### Contact Information

Email

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

### Telephone

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

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