SAG 730 antifoam emulsion is an aqueous system foam controller that may be considered for use when very high standards of quality and purity are required. This very adaptable foam control agent can provide excellent quality and purity of a food processing agent. It is an excellent candidate to consider for use in cosmetics applications, where very high standards are required. Formulated for aqueous systems, the 30-percent active emulsion can effectively control foam in nonionic, anionic and cationic surfactants over a broad pH range.

Key Features and Typical Benefits
- increased production throughput in food processing applications
- defoaming agent for processing foods (21 CFR 173.340)(1)
- developed for aqueous systems
- may be effective in virtually all surfactants, especially nonionic
- useful over broad pH range

(1) Compositologically compliant with 21 CFR 173.340 and is appropriate for consideration for use as a defoaming agent in processing foods in accordance with the conditions specified and limitations imposed by this regulation.

Potential Applications
This antifoam may be considered for use in the manufacture of food and feed products, and in a variety of industrial processes. These applications include:

- **Food and Feed Processing**
- Alcohol fermentation
- Beverages, juices and sauces
- Bottle washing
- Component of cleaning solutions
- Condiment and flavoring manufacturing
- Corn wet-milling
- Egg washing
- Feed supplement manufacturing
- Food plant waste water treatment
- Meat/poultry processing
- Potato chip manufacturing
- Preserves, jams and jellies
- Seafood washing
- Soups and stews
- Soy protein processing
- Vegetable washing
- Whey processing
- Other dehydration, evaporation and extraction processes

- **Cosmetics**

Formulation aid in cosmetics, balms, lotions, moisturizers, ointments, shampoos and sunscreens
Packaging aid

Typical Physical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Creamy white</td>
</tr>
<tr>
<td>Form</td>
<td>Pourable liquid</td>
</tr>
<tr>
<td>Specific Gravity at 25/25°C</td>
<td>0.99-1.01</td>
</tr>
<tr>
<td>Viscosity at 25°C (after stirring), cP</td>
<td>1000-2000</td>
</tr>
<tr>
<td>pH</td>
<td>4.0</td>
</tr>
<tr>
<td>Emulsifier Type</td>
<td>Nonionic</td>
</tr>
<tr>
<td>Suitable Diluent</td>
<td>Water</td>
</tr>
<tr>
<td>Shelf Life, months</td>
<td>24</td>
</tr>
<tr>
<td>Active Ingredient Content, %</td>
<td>30</td>
</tr>
</tbody>
</table>

Typical data are average data and actual results may vary. Typical data shall not be used as product specifications.

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SAG* 730 antifoam emulsion

Regulatory Information

FDA
May be considered for use as a defoaming agent in the processing of non-standardized food under FDA Regulation 21 CFR 173.340, 175.105, 176.170, 176.180, 176.200, 176.210 and 177.1640(b). Limitation on use: 33 ppm, zero limitation on all silicones in milk.

USDA
May be considered for use in egg washing, fat rendering, hog scalding, curing pickles, and in the preparation of soups and stews. Momentive Performance Materials, possesses Letters of Sanction and Letters of Acceptability that permit the use of SAG 730 antifoam emulsion in a wide variety of applications in federally-inspected meat and poultry processing facilities.

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.

General Instructions for Use

SAG 730 antifoam emulsion can be used as received, or after dilution with water or process liquid. For best results, the emulsion should be mixed before use. Dilution can be accomplished by mixing 3 to 10 parts of the selected diluent to 1 part antifoam with gentle stirring until a uniform mixture is obtained. Continued gentle mixing of the diluted antifoam is recommended to ensure product uniformity over extended storage times.

For maximum cost-effectiveness, this antifoam should be prediluted and added continuously at a processing step prior to where foaming is encountered. Suggested starting concentrations are 50 to 500 ppm silicone antifoam, with care being taken in food applications to assure that levels do not exceed the FDA limitations in the final product. Table 1 shows concentrations and parts per million equivalents.

Table 1: SAG 730 Antifoam Emulsion Concentrations and Parts per Million Equivalents

<table>
<thead>
<tr>
<th>Concentration of SAG 730 Antifoam Emulsion (from container)</th>
<th>Parts per Million SAG 730 Antifoam Emulsion</th>
<th>Parts per Million Active Silicone</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 pint in 3750 gallons</td>
<td>3.33</td>
<td>10(1)</td>
</tr>
<tr>
<td>1 gallon in 1000 gallons</td>
<td>1000</td>
<td>300</td>
</tr>
<tr>
<td>1 gallon in 2000 gallons</td>
<td>500</td>
<td>150</td>
</tr>
<tr>
<td>1 gallon in 10,000 gallons</td>
<td>100</td>
<td>30(1)</td>
</tr>
</tbody>
</table>

(1) FDA Regulation 21 CFR 173.340 limitation
Conversion Factors: 1 gallon = 3.785 liters; 1 pint = 0.4731 liters

Product Availability

Momentive Performance Materials foam control agents are available in 5-gallon pails, 55-gallon drums, and in bulk (upon request).

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SAG* 730 antifoam emulsion

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 Material Safety Data Sheet (MSDS) and label for product safety information, safe handling instructions, personal protective equipment if necessary, and any special storage conditions required for safety. MSDS are available at www.momentive.com or, upon request, from any Momentive Performance Materials (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.

Emergency Service

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

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

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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Customer Service Centers

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4information@momentive.com
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Consumer Sealants/ Construction Sealants and Adhesives
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South America
T +55 1 4534 9650
Mexico and Central America
T +52 55 2169 7670

Europe, Middle East, Africa and India
T +00 800 4321 1000 / +40 21 3111848

Pacific
China
T +800 820 0202 / +86 21 3880 4892
Japan
T +0120 975 400 / +81 276 20 6182
Korea
T +82 2 6201 4600
Malaysia
T +60 3 9206 1532

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