

SAG* 100

silicone antifoam compound

SPECIALTY FLUIDS - INDUSTRIAL



SAG 100 antifoam is an excellent candidate to consider for food and feed processing in foam control situations generated by both ionic and nonionic foamants. SAG 100 is a non-aqueous 100 percent active antifoam that covers the range of food processing from frying to jelly/jam/sauce manufacturing. The components in SAG 100 silicone antifoam compound meet the requirements of the U.S. EPA regulation 40 CFR 180.960, and are therefore exempt from tolerances in food when used as an inert ingredient in agricultural applications in accordance with the other conditions of that regulation.

Key Features and Typical Benefits

- increased production throughput in food processing applications
- excellent foam control in non-aqueous systems
- control of foam generated by ionic and nonionic foamants
- excellent product uniformity and batch-to-batch consistency
- autoclavable

Potential Applications

Component of cleaning solutions
 Edible oil processing
 Fat rendering
 Fermentations
 Feed supplement manufacturing
 Food frying
 Hog scald baths
 Jam, jelly, sauce manufacturing

Typical Physical Properties	
Appearance	Translucent white
Specific Gravity at 25/25°C	0.988
Viscosity at 25°C (after stirring), cP	1500
Flash Point, Pensky-Martens Closed Cup ⁽¹⁾ , °C (°F)	207 (405)
Shelf Life, months	24
Active Ingredient Content, %	100

(1) ASTM Method D 96

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

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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. Limitation on use: 10 ppm, zero limitation on all silicones in milk.

EPA

Residues of the components of this antifoam are exempt from the requirement of a tolerance under EPA Regulation 40 CFR 180.960 when used in accordance with good agricultural practice as inert (or occasionally active) ingredients in pesticide formulations applied to growing crops or to raw agricultural commodities after harvest.

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 100 silicone antifoam compound in a number 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 100 antifoam can be used as received, or after dilution with your process liquid. For best results, the compound should be mixed upon opening the container. 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. Periodic 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 the step at which foaming is encountered. Suggested starting concentrations are 10 to 200 ppm, with care being taken in food processing applications to assure that use levels do not exceed the FDA limitations in the final product. Table 1 shows concentrations and parts per million equivalents.

Table 1: SAG 100 Antifoam Concentrations and Parts per Million Equivalents

Concentration of SAG 100 Antifoam	Parts per Million SAG 100 Antifoam
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 = 0.4731 liters

Product Availability

Momentive Performance Materials, foam control agents are available in 5-gallon pails, 55-gallon drums, and in bulk (upon request). Call our information center at 1-800-295-2392 for additional information.

*SAG is a trademark of Momentive Performance Materials Inc.

SAG* 100 silicone antifoam compound

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.

<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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