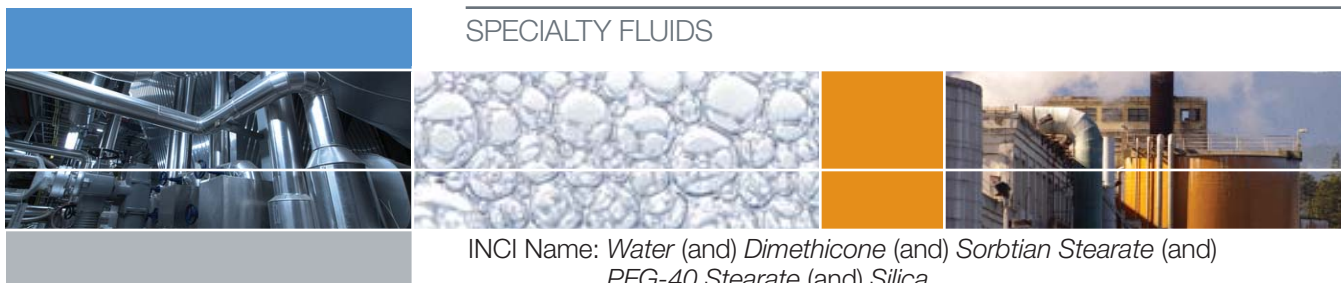


SAG* 710 antifoam emulsion

SPECIALTY FLUIDS



INCI Name: *Water (and) Dimethicone (and) Sorbitan Stearate (and) PEG-40 Stearate (and) Silica*

SAG 710 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 help 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. This 10-percent active emulsion can be used effectively in virtually all surfactants, over a broad pH range. It can be particularly effective with nonionic surfactants.

Key Features and Typical Benefits

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

⁽¹⁾ Compositionally 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

Appearance	Creamy white
Form	Pourable liquid
Specific Gravity at 25/25°C	0.99-1.01
Viscosity at 25°C (after stirring), cP	1000-2000
pH	4.0
Emulsifier Type	Nonionic
Suitable Diluent	Water
Shelf Life, months	24
Active Ingredient Content, %	10

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

SAG* 710 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: 100 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 710 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 710 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 the step at which 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 710 Antifoam Emulsion Concentrations and Parts per Million Equivalents

Concentration of SAG 710 Antifoam Emulsion (from container)	Parts per Million SAG 710 Antifoam Emulsion	
	(As received)	(Active silicone)
1 pint in 2500 gallons	= 50	= 10 ⁽¹⁾
1 gallon in 1000 gallons	= 1000	= 100
1 gallon in 2000 gallons	= 500	= 50
1 gallon in 10,000 gallons	= 100	= 10 ⁽¹⁾

(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).

SAG* 710 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.

<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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