

SAG™ 290 Silicone Antifoam Concentrate

Product Description

SAG 290 is a highly active silicone antifoam concentrate that can be diluted with water to produce a silicone antifoam emulsion.

Key Features and Typical Benefits

- High-active-level antifoam concentrate
- Can be dispersed homogeneously into water using a mixer that provides moderate shear
- Can be used as starting material to facilitate the production of antifoam emulsions with customer-tailored active levels

Typical Physical Properties

Physical Form	Pourable liquid
Viscosity at 25 °C, cSt	3000
Flash Point Pensky-Martens (Closed Cup ASTM D 93), °C	>190

Typical properties are average data and are not to be used as, or to develop, specifications.

General Considerations for Use

SAG 290 silicone antifoam concentrate may be added directly, as received, in the finished liquid surfactant mixture, followed by mild agitation to ensure complete dispersion. Alternatively, it may be diluted before use with at a ratio of at least 9 parts diluent to 1 part antifoam, and stirred gently until a uniform mixture is obtained. For long-term bulk stability of the dilution, use a thickened water diluent.

The recommended dilution method for a 10% dilution:

Ingredients	%
Water	85.5
Polyacrylic Thickener (28%)	3.0
10% NaOH	1.5
SAG 290 Silicone Antifoam Concentrate	10.0
Biocide	(a)

(a) Biocides must be used in accordance with local country regulations and manufacturer's label directions.

1. Premix water and polyacrylic thickener
2. Add 10% NaOH to neutralize pH
3. Add SAG 290 silicone antifoam concentrate and stir until a homogenous emulsion is achieved

When evaluating SAG 290 silicone antifoam concentrate:

- We recommend starting with 10-100 ppm of the product as received
- Adjust usage levels according to the observed performance

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 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 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 MyMomentive™ Order Management Site. 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.

Customer Service Centers

For additional information, please contact our Customer Service Team

NORTH AMERICA	+1 800 295 2392 Toll Free* *America, Canada
LATIN AMERICA	BRAZIL +55 11 5128 4222 Direct Number MEXICO +52 55 2169 7670 Direct Number
EUROPE, MIDDLE EAST, AFRICA & INDIA (EMEI)	EUROPE +39 0875 758888 Direct Number INDIA, MIDDLE EAST & AFRICA +91 44 71212207 Direct Number* *All Middle Eastern countries, Africa, India, Pakistan, Bangladesh, Sri Lanka
ASIA PACIFIC (APAC)	CHINA 800 820 0202 Toll Free +86 21 3860 4928 Direct Number JAPAN Sales-JP.Silicones@momentive.com SOUTH KOREA +82 2 3495 2141 Direct Number SOUTH EAST ASIA, AUSTRALIA & NEW ZEALAND +60 3 8309 8088 Direct Number* *South East Asia countries (Malaysia, Singapore, Thailand, Indonesia, Vietnam, Philippines, Cambodia, Myanmar / other countries located in Pacific region)
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2750 Balltown Road
Niskayuna, NY 12309
momentive.com

Current as of 2025-06-18 Printed in U.S.A