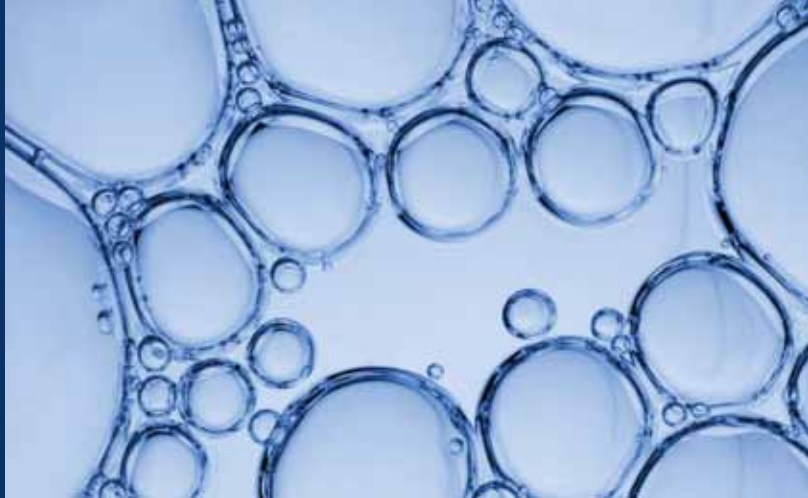


Antifoam OR-90 for AG applications



MARKETING BULLETIN

SPECIALTY FLUIDS - AGRICULTURE



Antifoam OR-90 is a 100% silicone antifoam compound to be considered for use in non-aqueous formulations in agriculture applications. It is listed by the Organic Materials Review Institute (OMRI) for use in organic production. The components of Antifoam OR-90 meet the requirements of U.S. EPA regulation 40 CFR 180.960. Therefore, they are 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

This 100% active antifoam compound typically provides excellent foam control in highly alkaline, highly acidic as well as neutral systems and exhibits improved efficiency and longevity over conventional organic antifoam compounds. Antifoam OR-90 can be used as received, or after dilution with water or other suitable process liquids.

- OMRI Listed
- Defoaming agent for processing foods (21 CFR 173.340)(1)
- Developed for non-aqueous systems
- Useful over a broad pH formulation range

Typical Physical Properties

Property	Value
Silicone/Silica Content, %	100
Density, lbs/gal	8.4 (3.81 KG/L)
Specific Gravity at 25 °C (77 °F)	1.01
Viscosity at 25 °C (77 °F) cps max	2,500
Flash Point, Pensky-Martens closed cup ASTM D 93, °C	> 204

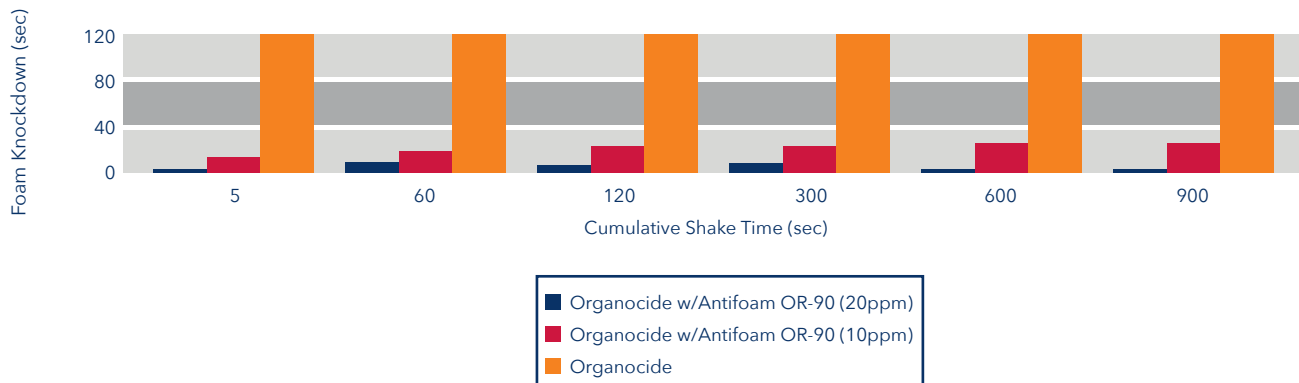
General Considerations for Use

Antifoam OR-90 compound may be used as received or diluted prior to use. Dilution or dispersion of the material prior to use, either in solvent or in one of the foaming ingredients, provides an excellent means for incorporating low concentrations of the Antifoam OR-90 accurately and economically into a non-aqueous system. Prediluted solutions should be kept under agitation or mildly agitated before use. Such dilution or dispersion may provide greater ease of handling and more effective use of the antifoam.

Performance Data

Antifoam OR-90 has shown outstanding foam control in the Organocide[†] Pesticide. The figure below illustrates effective foam knockdown and durability performance, as measured with a standard shake test. Suggested starting concentration for Antifoam OR-90 is 10 ppm.

Foam Control in Organocide (1.5%) with Antifoam OR-90



Note: Test data. Actual results may vary.

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.

Limitations

Customers must evaluate Momentive Performance Materials products and make their own determination as to fitness of use in their particular applications.

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 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.

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