Silwet® Adjuvants
SAG® Antifoams
ENHANCED AGROCHEMICALS EFFICACY
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Momentive Performance Materials has been First:

To commercialize silicone adjuvants for tank-mix applications in agriculture (Silwet L-77* AG Spray Adjuvant)

To develop and market pH-stable silicone adjuvants for in-can formulations (Silwet* HS Spreaders and Penetrants)

To commercialize high performance antifoams available globally (SAG* 1572 and SAG 1538 Silicone Antifoams)

To offer silicone adjuvant to organic farming (Silwet ECO Spreader)

Typical Applications

Crop Protection Products
Herbicides
Insecticides
Fungicides
Nutrients and Plant Growth Regulators

Non-Crop Products
Home & garden pesticides
Lawn & ornamental products
Pest control products
Forestry products
Overview

Momentive Performance Materials manufactures and offers globally a broad product line of specialty silicones to be considered for agricultural applications. These silicone specialty products marketed under the Silwet®, AgroSpred® and SAG® brand names are widely used as tank mix adjuvants, in-can adjuvants and foam control agents to enhance the delivery and efficacy of many pesticide products.

Silwet and AgroSpred adjuvants, being first in the market, are the longest-standing and most well-known silicone brands in Agriculture. Momentive silicone adjuvants have been successfully used for years to provide superspreading and excellent spray coverage on many crops. These performance properties as well as very low typical use levels make these silicone adjuvants excellent candidates to consider for use in:

- Superior spreading leading to better coverage, and reduced spray volumes
- Enhanced agrochemicals efficacy
- Improved uptake of active ingredients, providing a better rainfastness

Momentive Performance Materials is continuing its long-standing innovation in Agriculture applications with the recent development and launch of the next generation silicone specialties.

The new Silwet HS® (hydrostable) adjuvants employ new chemistry, making these products stable over a broad pH range, specifically developed for in-can formulations.

SAG Antifoams

Momentive SAG antifoams have demonstrated for many years their ability to powerfully control foam during the manufacturing process of pesticides and packaging as well as in tank mix spray applications.

The new generation of SAG antifoams can enable lower use levels, rapid defoaming and exceptional durability and stability to provide better performance in many Ag applications.
Momentive Adjuvants

KEY FEATURES

Superspreading for exceptional spray coverage of crop and plant surfaces

Up to 70% spray volume reduction to lower water use and application costs

Excellent penetration providing better pesticide uptake and efficacy

Better spray treatment adhesion on crop and plant surfaces

Rainfastness to lower pesticide wash-off and waste

Lower use levels than non-silicone surfactants

pH stable for use in In-Can formulations (Silwet HS)

Excellent compatibility and stability in Ag formulations

Available world-wide
Silwet & AgroSpred Adjuvants for In-Can and Tank Mix

<table>
<thead>
<tr>
<th>In-Can pH range</th>
<th>Spreading</th>
<th>Uptake</th>
<th>Rainfastening</th>
<th>EPA approval</th>
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<td>★★★</td>
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Typical properties are average data and are not to be used as or to develop product specifications.
SL= soluble liquid - EC = emulsion concentrate - WDG = water dispersible granule
Momentive Antifoams

**KEY FEATURES**

- Excellent defoam time (knock-down)
- Up to 10 times faster than conventional antifoams
- Long lasting foam control performance (durability)
- Excellent compatibility and stability in Ag formulations

**Emulsions**

- SAG 10 10% actives
- SAG 30 30% actives
- Antifoam OR-10 10% actives (OMRI LISTED)

**SAG Antifoams**

- Lower use rates than many silicone antifoams
- Cost-effective foam control EPA “Inert status”
- Available world-wide
Typical properties are average data and are not to be used as or to develop product specifications.

As an inert ingredient in agricultural applications in accordance with the other conditions of that regulation.

(1) The components meet the requirements of U.S. EPA regulation 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.

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

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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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