Momentive Performance Materials has been First:

- to commercialize Silicone Adjuvants for Tank-Mix applications in Agriculture (Silwet L-77* AG Spray Adjuvant)
- to develop & 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 specialties 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, Silwet spray adjuvants 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 an excellent candidate 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 offer 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.

Typical product data values should not be used as specifications. Assistance and specifications are available by contacting Momentive sales office.

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

SAG* Antifoams

Standard Antifoams

Performance Antifoams

Emulsions | Concentrates | Compounds
--- | --- | ---
SAG 10 10% actives | SAG 1529 93% actives | SAG 47 100% actives
SAG 30 30% actives | Antifoam OR-10 10% actives
Antifoam OR-10 10% actives | Antifoam OR-90 100% actives

SAG Antifoams

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<tr>
<th>SAG Antifoam</th>
<th>SL</th>
<th>SC</th>
<th>EC</th>
<th>WDG</th>
<th>Defoaming</th>
<th>Durability</th>
<th>Stability</th>
<th>Dosage</th>
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<td>• • • • • •</td>
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<td>40CFR§180.960</td>
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<td>40CFR§180.910</td>
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<td>low</td>
<td>40CFR§180.910</td>
<td>100% actives antifoam compound</td>
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(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 product data values should not be used as specifications. Assistance and specifications are available by contacting Momentive sales office.

SL = soluble liquid · SC = suspension concentrate · EC = emulsion concentrate · WDG = water dispersible granule
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 considering the use of this product should review the latest Material Safety Data Sheet and label for product safety information, handling instructions, personal protective equipment if necessary, and any special storage conditions required. Material Safety Data Sheets are available at www.momentive.com or, upon request, from any Momentive Performance Materials representative. Use of other materials in conjunction with Momentive Performance Materials 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.

<table>
<thead>
<tr>
<th>Location</th>
<th>Emergency Service Provider</th>
<th>Emergency Contact Number</th>
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<tbody>
<tr>
<td>Mainland U.S., Puerto Rico</td>
<td>CHEMTREC</td>
<td>1.800.424.9300</td>
</tr>
<tr>
<td>Alaska, Hawaii</td>
<td>CHEMTREC</td>
<td>1.800.424.9300</td>
</tr>
<tr>
<td>Canada,</td>
<td>CHEMTREC</td>
<td>1.800.424.9300</td>
</tr>
<tr>
<td>Europe, Israel</td>
<td>NCEC</td>
<td>+44(0) 1235239670</td>
</tr>
<tr>
<td>Middle East</td>
<td>NCEC</td>
<td>+44(0) 1235239671</td>
</tr>
<tr>
<td>Asia/Pacific (except China)</td>
<td>NCEC</td>
<td>+44(0) 1235239670</td>
</tr>
<tr>
<td>China</td>
<td>NCEC</td>
<td>+86.10.5100.3039</td>
</tr>
<tr>
<td>Latin America (except Brazil)</td>
<td>SOS Cotec</td>
<td>+44(0) 1235239670</td>
</tr>
<tr>
<td>Brazil</td>
<td>NCEC</td>
<td>08000111767 or 08007071767</td>
</tr>
<tr>
<td>All other locations worldwide</td>
<td>Radio U.S. Coast Guard in US waters</td>
<td>+44(0) 1235239670</td>
</tr>
<tr>
<td>At sea</td>
<td>NCEC in International waters</td>
<td>+44(0) 1235239670</td>
</tr>
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</table>

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.
Customer Service Centers

Worldwide Hotline
4information@momentive.com
+1 614 986 2495 / T +1 800 295 2392

North America
Silicones – Fluids, UA, Silanes, Specialty Coatings, RTV and Elastomers
T +1 800 523 5862 / +1 800 334 4747
F +1 304 746 1643 / +1 304 746 1623

Consumer Sealants/
Construction Sealants and Adhesives
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F +1 304 746 1643

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F +55 11 4534 9660

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F +52 55 2169 7699

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Japan
T +0120 975 400 / +81 276 20 6182
F +81 276 31 6259

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T +82 2 6201 4800
F +82 2 6201 4601

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F +60 3 9206 1533

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F +66 2207 3488

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