SAG* 1599

Description
SAG 1599 is a foam control agent designed for use in agricultural formulations that contain high concentrations of ammonium sulfate (AMS) or other ionic nutrients and electrolyte-tolerant surfactants such as alkylated polyglucosides (APG). When properly dispersed into the high-electrolyte fertilizers or water conditioners, it has shown to provide excellent foam control without the separation problems commonly associated with traditional silicone antifoams.

Key Features and Benefits
- Excellent foam control in AMS/APG containing products.
- Performs well in concentrated product and when diluted to end-use concentrations
- Good long-term stability
- The components of SAG 1599 meet the requirements of U.S. EPA regulation 40 CFR 180.960 and are therefore exempt from tolerances in food when used as inert ingredients in agricultural applications in accordance with the other conditions of that regulation.

Typical Physical Properties
Performance Data
The foam control properties of SAG 1599 in a high AMS/APG product are compared to those of SAG 47, a traditional silicone antifoam typical of those currently being used in Figure 1. It can be seen at concentrations as low as 50 ppm the SAG 1599 is a significantly better antifoam that the SAG 47 dosed at 2000 ppm.

The data in Figure 2 show the long-term antifoam properties that SAG 1599 imparts to AMS/APG products and demonstrate that foam control is maintained even after diluting to end-use concentrations.
Patent Status
Standard copy to come

Product Safety, Handling and Storage
Standard copy to come

Limitations
Standard copy to come

Contact Information
For product prices, availability, or order placement, contact our customer service at Momentive.com/CustomerService/

For literature and technical assistance, visit our website at: www.momentive.com

DISCLAIMER:

THE MATERIALS, PRODUCTS AND SERVICES OF MOMENTIVE PERFORMANCE

*SAG is a trademark of Momentive Performance Materials Inc.*
MATERIALS INC. AND ITS SUBSIDIARIES AND AFFILIATES (COLLECTIVELY “SUPPLIER”), ARE SOLD SUBJECT TO SUPPLIER’S STANDARD CONDITIONS OF SALE, WHICH ARE INCLUDED IN THE APPLICABLE DISTRIBUTOR OR OTHER SALES AGREEMENT, PRINTED ON THE BACK OF ORDER ACKNOWLEDGMENTS AND INVOICES, AND AVAILABLE UPON REQUEST. ALTHOUGH ANY INFORMATION, RECOMMENDATIONS, OR ADVICE CONTAINED HEREIN IS GIVEN IN GOOD FAITH, SUPPLIER MAKES NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, (i) THAT THE RESULTS DESCRIBED HEREIN WILL BE OBTAINED UNDER END-USE CONDITIONS, OR (ii) AS TO THE EFFECTIVENESS OR SAFETY OF ANY DESIGN INCORPORATING ITS PRODUCTS, MATERIALS, SERVICES, RECOMMENDATIONS OR ADVICE. EXCEPT AS PROVIDED IN SUPPLIER’S STANDARD CONDITIONS OF SALE, SUPPLIER AND ITS REPRESENTATIVES SHALL IN NO EVENT BE RESPONSIBLE FOR ANY LOSS RESULTING FROM ANY USE OF ITS MATERIALS, PRODUCTS OR SERVICES DESCRIBED HEREIN. Each user bears full responsibility for making its own determination as to the suitability of Supplier’s materials, services, recommendations, or advice for its own particular use. Each user must identify and perform all tests and analyses necessary to assure that its finished parts incorporating Supplier’s products, materials, or services will be safe and suitable for use under end-use conditions. Nothing in this or any other document, nor any oral recommendation or advice, shall be deemed to alter, vary, supersede, or waive any provision of Supplier’s standard Conditions of Sale or this Disclaimer, unless any such modification is specifically agreed to in a writing signed by Supplier. No statement contained herein concerning a possible or suggested use of any material, product, service or design is intended, or should be construed, to grant any license under any patent or other intellectual property right of Supplier covering such use or design, or as a recommendation for the use of such material, product, service or design in the infringement of any patent or other intellectual property right.

*SAG is a trademark of Momentive Performance Materials Inc.

Momentive and the Momentive logo are trademarks of Momentive Performance Materials Inc.