Technical Data Sheet

DOWSIL™ 8603 Additive

Silicone foam control agent for waterborne coatings.

Features & Benefits

- Effective foam control for waterborne coating systems.
- Performs at low dosages.

Composition

- Silicone antifoam compound with silica.
- 100% active.

Applications

- Water born interior wall paint. Particularly effective at eliminating microfoam in roller applications.
- Acrylic styrene emulsion paint.
- Waterborne flexo gravure inks
- Waterborne polyester acrylic coating.
- Waterborne acrylic modified alkyd coating.

Typical Properties

Specification Writers: These values are not intended for use in preparing specifications.

Property	Unit	Result
Appearance		Clear to slightly hazy, colorless to light amber liquid
Viscosity at 25°C (77°F)	m Pa·s	900–3600
Specific Gravity at 25°C (77°F)		0.99–1.03
Active Content	%	100

Description

DOWSIL™ 8603 Additive shows excellent deforming performance in waterborne coatings and ink systems and has a low tendency to cause surface defects.

How to Use

The recommended addition level of DOWSIL™ 8603 Additive is 0.05 to 1% as supplied, based on total formulation. DOWSIL™ 8603 Additive can be added directly or pre-diluted with alcohols or polyglycols.

Form No. 26-1955-01-0421 S2D

Handling Precautions

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE SAFETY DATA SHEET IS AVAILABLE ON THE DOW WEBSITE AT DOW.COM, OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CUSTOMER SERVICE.

Packaging Information

This product is available in pack sizes of 120 ml bottles and 17 kg pails.

Limitations

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

Health and Environmental Information

To support customers in their product safety needs, Dow has an extensive Product Stewardship organization and a team of product safety and regulatory compliance specialists available in each area.

For further information, please see our website, dow.com or consult your local Dow representative.

Disposal Considerations

Dispose in accordance with all local, state (provincial) and federal regulations. Empty containers may contain hazardous residues. This material and its container must be disposed in a safe and legal manner.

It is the user's responsibility to verify that treatment and disposal procedures comply with local, state (provincial) and federal regulations. Contact your Dow Technical Representative for more information.

Product Stewardship

Dow has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our product stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our product stewardship program rests with each and every individual involved with Dow products - from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

Customer Notice

Dow strongly encourages its customers to review both their manufacturing processes and their applications of Dow products from the standpoint of human health and environmental quality to ensure that Dow products are not used in ways for which they are not intended or tested. Dow personnel are available to answer your questions and to provide reasonable technical support. Dow product literature, including safety data sheets, should be consulted prior to use of Dow products. Current safety data sheets are available from Dow.

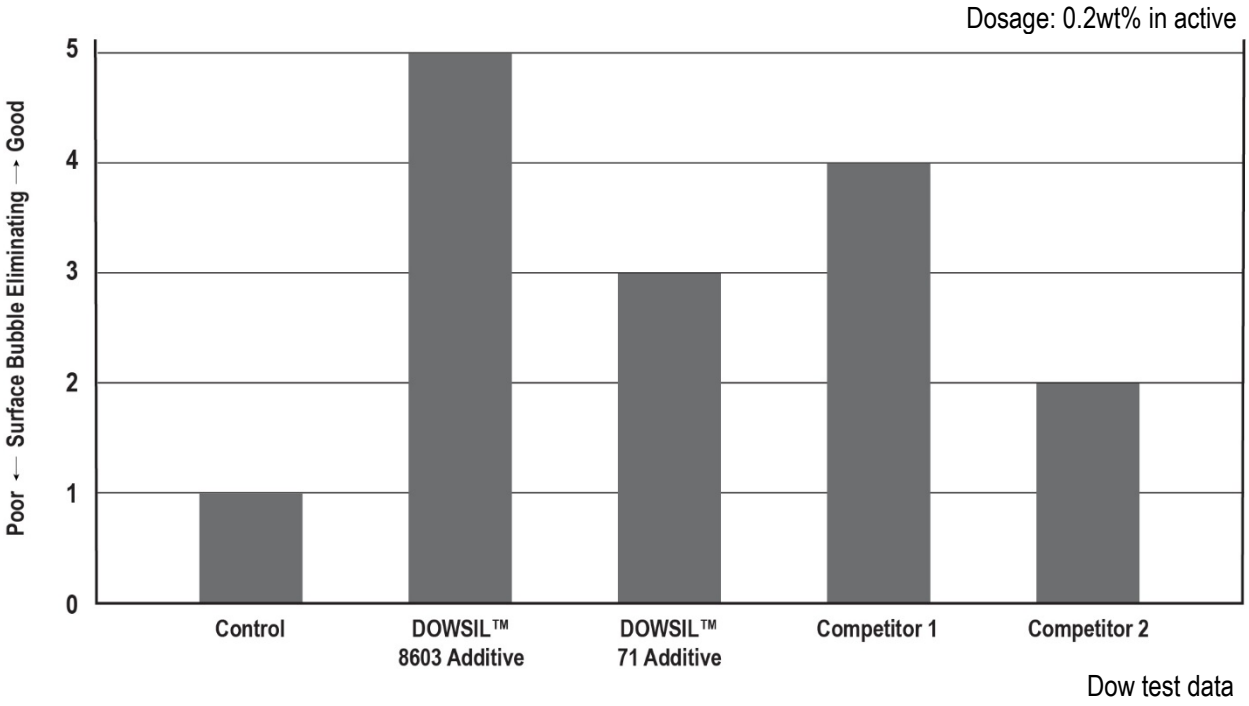

Figure 1: DOWSIL™ 8603 Additive and DOWSIL™ 71 Additive at 0.2 weight percent in a waterborne acrylic polyester coating. Micro bubbles on the coating surface are eliminated with DOWSIL™ 8603 Additive after applied with medium-hair roller.

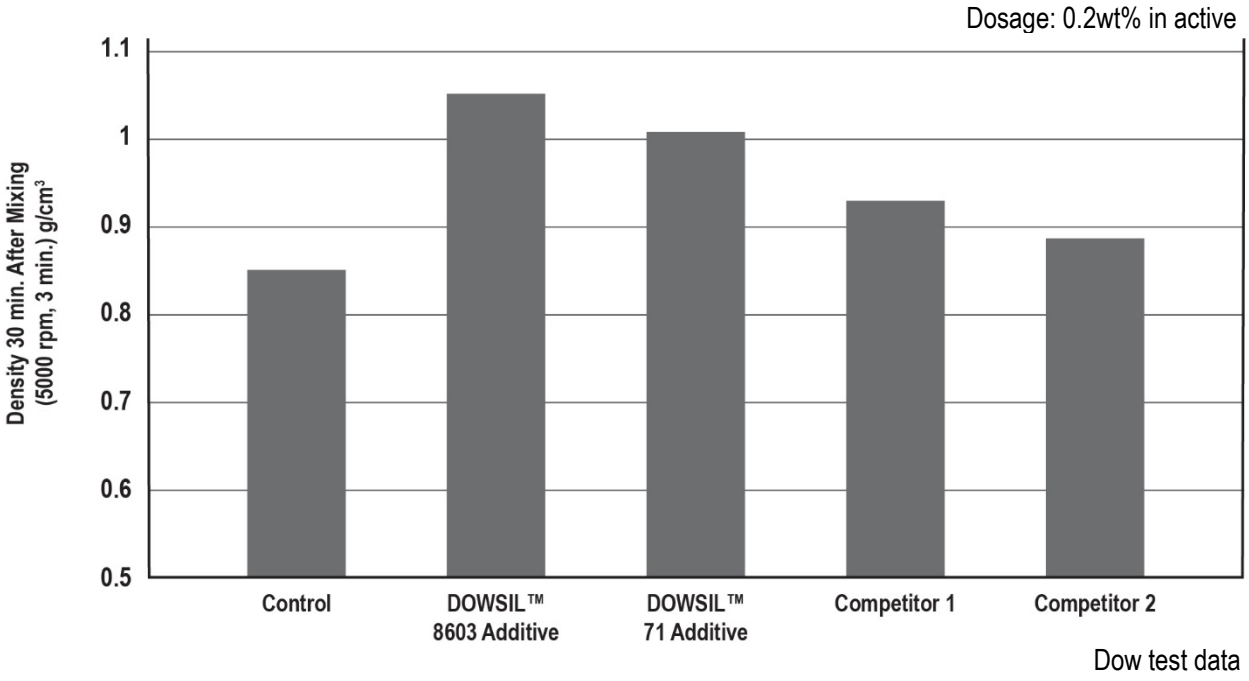

Figure 2: DOWSIL™ 8603 Additive and DOWSIL™ 71 Additive in the same waterborne acrylic polyester coating. Density reported after shearing at 5000 rpm for 3 minutes using dissolver blade. This data illustrates that DOWSIL™ 8603 Additive provides superior foam control.

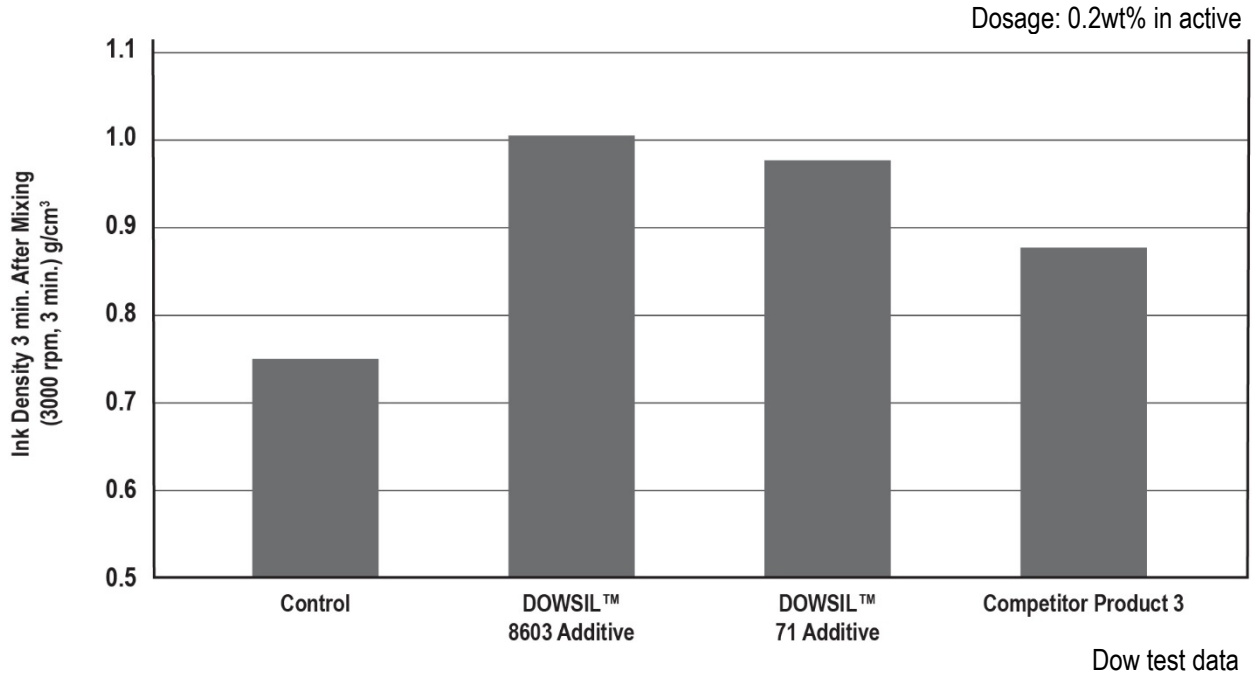

Figure 3: Performance of DOWSIL™ 8603 Additive in water born flexo gravure ink. DOWSIL™ 8603 Additive also works as excellent defoamer at 0.2 weight percent for ink.

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