



DOWSIL™ 68 Additive

Defoamer for waterborne inks and coatings applications

Features & Benefits

- APEO-free
- Dilutable with water
- Immediate defoaming at low concentration
- Readily dispersible in water-based inks and coatings
- Balance of efficiency and compatibility
- Can be added in the grind or letdown phase
- Excellent foam control
- Effective at low concentrations
- Low levels of defects

Composition

- Water-based silicon antifoam

Applications

- DOWSIL™ 68 Additive may be used as effective defoamer in inks and coatings applications

Typical Properties

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

Property	Unit	Result
Appearance		Milky-white liquid
Viscosity at 25°C (77°F)	cs(mPa.s)	1000–3000
Active component	%	50–55
pH		4.5–7.5

Description

DOWSIL™ 68 Additive is a 52% active silicone emulsion foam control agent that does not contain APEO surfactant. It gives excellent foam control in waterborne paints, wood coatings and printing inks even at low concentration. It can be added at any stage during the formulation. DOWSIL™ 68 Additive gives good balance between defoaming efficiency and compatibility with the paint formulation. It is particularly suited for applications where acrylic and polyurethane dispersions are used. Characteristics may vary when used with different systems and formulations. Thorough preproduction testing is necessary to ensure expected performance.

How to Use

DOWSIL™ 68 Additive is generally effective at concentrations between 0.05%–0.5% of product as received based upon total formulation. This additive can be added during the grind or let-down, or can be post-added.

DOWSIL™ 68 Additive can be diluted with water. Dilutions are stable up to 20% solids for three months. Thorough preproduction testing is necessary to ensure expected performance.

**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**

DOWSIL™ 68 Additive is available in 120 ML samples, 20 kg pails, 200 kg drums and 1000 kg IBC.

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.

dow.com

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