



DOWSIL™ FS Antifoam 93

High-performance silicone antifoam emulsion

Features & Benefits

- No PRTR components
- Provides highly effective and long-lasting defoaming effect
- Easy dilutability and excellent dilution stability
- Can be used in a wide range of pH and temperature

Composition

- Nonionic silicone emulsion

Applications

- Papermaking process
- Water-based architectural paints
- Water-based inks
- Aqueous cutting oil
- Cleaning agents (clothing, metal)
- Dyeing, refining, sizing
- Wastewater treatment

Typical Properties

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

Property	Unit	Result
Appearance		Milky-white liquid
Viscosity	mPa · s	2000
pH, 25°C		6.50–9.00
Active content	%	31

Description

DOWSIL™ FS Antifoam 93 is a silicone-based high performance emulsion defoamer developed for general industrial use. DOWSIL™ FS Antifoam 93 has excellent defoaming durability and alkali resistance and is effective for a wide range of foaming systems. In addition, it can be diluted easily with water and has excellent dilution stability.

How to Use

DOWSIL™ FS Antifoam 93 can be diluted with water (below 35°C) to adjust concentration. DOWSIL™ FS Antifoam 93 give good antifoam performance at 5 to 50 ppm active content. However optimum dosage should be varied by situations of foaming process, type of formulations and root cause. Pre-diluting with water or foaming liquid (5–20 times) can provide stable dispersion. Thorough preproduction testing is necessary to ensure expected performance. DOWSIL™ FS Antifoam 93 must be mixed prior to use.

**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**

17 kg pail and 200 kg drum.

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.

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