



DOWSIL™ SM 5571 Emulsion

35% active, silicone antifoam emulsion, complies with Japan Food Sanitation Act

Features & Benefits

- Water-dilutable
- Foam control in food and chemical processes
- Easy to use
- Excellent food-grade antifoaming-persistency performance
- Economical
- Effective at low concentrations

Applications

Potential applications may include:

- Food processing
- Chemical manufacturing
- Beverage manufacturing (not allowed to milk)
- Meat, poultry and seafood applications
- Chemical fermentation operations
- Wastewater treatment
- Vegetable processing

Typical Properties

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

Property	Unit	Result
Appearance		Milky white liquid
Non volatile content	%	30.0–35.0

Description

DOWSIL™ SM 5571 Emulsion is 35% active, food-grade silicone antifoam emulsion. This antifoam is water-dilutable and is effective at low concentrations.

Food Regulation Status

To get the food status of DOWSIL™ SM 5571 Emulsion, please contact your local sales representative.

EPA Status

This antifoam is not approved under EPA.

Kosher Acceptance

This antifoam is not certified for use in the processing of kosher foods and kosher Passover.

Halal Acceptance

This antifoam is not certified for use in the processing of halal foods.

Food Status in Japan

For up-to-date food contact status information in Japan for DOWSIL™ SM 5571 Emulsion, please contact your local sales representative.

How to Use

- Stir gently before use.
- Store at 0–10°C.

Amount Needed

DOWSIL™ SM 5571 Emulsion is effective in very low concentrations. 1 to 10 ppm of active silicone per foaming solution are sufficient to control foaming in many systems. Begin trials at higher use levels (10 ppm active silicone), then work down to the level of foam control desired.

Table 1: Parts per million equivalents:

To yield 10 ppm	
Antifoam	Mixed in
34 g	1000 kg
34 ml	1000 Liter

Adding the Antifoam

To produce optimal foam control, it is necessary to have the antifoam completely dispersed in the foaming medium. Follow these steps to achieve complete dispersion:

1. Agitate the product prior to use.
2. Predilute with 3 to 10 parts of cool water to aid in dispersion. Add the antifoam to the water with slow mixing. Prediluted material should be used immediately.
3. If the system can provide adequate agitation to disperse the antifoam, the antifoam emulsion may be added directly with no predilution necessary.
4. Add the antifoam prior to the point where foaming occurs within the system, if possible.

No preservative is included in DOWSIL™ SM 5571 Emulsion. If diluted material is to be stored for more than several days, it may be required to add preservative.

Usage Standard (by Japan Food Sanitation Act)

Do not use silicone resin (even in formulations) for purposes other than antifoaming. Use of silicone resin and formulations containing silicone resin should be limited to 0.050 g or less per 1 kg of food.

**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.

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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