



Technical Data Sheet

DOWSIL™ GP-4314 Powdered Antifoam

Powdered antifoam containing silicone antifoam compound

Features & Benefits

- Active at low addition levels
- No performance loss on storage under warm and humid conditions in the detergent powder
- Free-flowing, non-caking granules, easy to incorporate by dry-mixing
- 100% detergent active components
- Suitable for a wide range of surfactants, over a wide range of pH and washing temperatures
- Performance not dependent on water hardness
- Stable carrier to control in-wash foam during the entire washing cycle

Applications

- In-wash foam-control for laundry powder detergents

Typical Properties

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

Property	Unit	Result
Appearance		White free-flowing granules
Bulk Density	g/l	600–800
Granulometry – Mean Particle Size	µm	400–800
Particle Size Distribution - % Granules	> 1400 µm	4.0 max
	< 150 µm	5.0 max

Description

DOWSIL™ GP-4314 Powdered Antifoam has been developed to control the foam of powder laundry detergents generated during the washing process.

How to Use

DOWSIL™ GP-4314 Powdered Antifoam is easy to incorporate into powder laundry detergents. Dry mixing is the recommended introduction method.

Typical addition levels are between 0.2 and 0.6%. Individual formulations vary, particularly with the surfactant level and composition. The exact level of addition needs to be assessed on a case-by-case basis.

**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.

**Usable Life and
Storage**

Product should be stored at or below 30°C in original, unopened container. The neat product should be preferentially be stored in dry conditions.

**Packaging
Information**

Product available in 1000 kg bag, 500 kg bag and 25 kg bag.

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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