

Product Information

Silicone Antifoams

DOW CORNING

Dow Corning® Antifoam A Compound

FEATURES

- Economical
- Easy to use
- Effective in low concentrations

COMPOSITION

- Compounded silicone fluid supplied as opaque, gray liquid

Silicone fluid for prevention of foam in water- and nonwater-based industrial processes

APPLICATIONS

Effective in a variety of industrial processes and products. Typical uses include:

- Paper and textiles
- Distillation systems
- Asphalt manufacturing
- Lubricating oils
- Detergents

TYPICAL PROPERTIES

Specification Writers: Please contact your local Dow Corning sales office or your Global Dow Corning Connection before writing specifications on this product.

| Test | Unit | Result |
|---------------------------------|---------|--|
| Appearance | | Opaque, gray |
| Active Ingredient | percent | 100 |
| Viscosity at 25°C (77°F) | cp | 1,500 |
| Specific Gravity at 25°C (77°F) | | 0.97 |
| Recommended Dispersants | | Aliphatic, aromatic and chlorinated solvents and glycols |

DESCRIPTION

Dow Corning® Antifoam A Compound is a silicone foam control agent that is 100 percent active. Effective in both aqueous and nonaqueous systems, it can be used in concentrations as low as one part per million. This antifoam compound is specifically manufactured for industrial applications. Agitation of the product prior to use is required.

HOW TO USE

Amount Needed

Dow Corning Antifoam A Compound is effective in very low concentrations. One to 100 parts antifoam per million parts foamer are sufficient to eliminate most foams. Begin trials at higher use levels (50 ppm active silicone), then work down to the level of foam control desired. The following are

parts per million equivalents:

- 3.34 ounces in 500 gallons = 50 ppm
- 6.67 ounces in 1,000 gallons = 50 ppm
- 16.68 ounces in 2,500 gallons = 50 ppm
- 5.0 quarts in 25,000 gallons = 50 ppm

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 a suitable low-viscosity diluent to aid dispersion. Add the antifoam to the diluent with slow mixing. Prediluted material should be used immediately.

For solvent systems, *Dow Corning* Antifoam A Compound may be predispersed in solvents such as kerosene, amyl acetate, 2-ethylhexanol, Stoddard solvent or toluene.

NOTE: When using any solvent, always provide adequate ventilation. Follow precautions on solvent container label.

3. Add the antifoam prior to the point where foaming occurs within the system, if possible.
4. When used as supplied, the anti-foam can also be wiped on filling nozzles, rims of processing vats or on a screen suspended over the surface of a foaming system.

HANDLING PRECAUTIONS

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND MATERIAL SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE MATERIAL SAFETY DATA SHEET IS AVAILABLE FROM YOUR DOW CORNING REPRESENTATIVE, OR DISTRIBUTOR, OR BY CALLING YOUR GLOBAL DOW CORNING CONNECTION.

USABLE LIFE AND STORAGE

When stored at or below 32°C (90°F), *Dow Corning* Antifoam A Compound has a shelf life of 36 months from date of manufacture. Refer to product packaging for "Use By" date.

PACKAGING

Dow Corning Antifoam A Compound is available in 18.1-kg (40-lb) and 199.6-kg (440-lb) containers, net weight.

LIMITATIONS

This product is neither tested nor represented as suitable for medical or pharmaceutical uses. Not for human injection. This product is not intended for use in food processing.

SHIPPING LIMITATIONS

None.

HEALTH AND ENVIRONMENTAL INFORMATION

To support customers in their product safety needs, Dow Corning has an extensive Product Stewardship organization and a team of Health, Environment and Regulatory Affairs specialists available in each area.

For further information, please consult your local Dow Corning representative.

LIMITED WARRANTY INFORMATION - PLEASE READ CAREFULLY

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that Dow Corning's products are safe, effective, and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent. Dow Corning's sole warranty is that the product will meet the Dow Corning sales specifications in effect at the time of shipment. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted. DOW CORNING SPECIFICALLY DISCLAIMS ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY. DOW CORNING DISCLAIMS LIABILITY FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.