

Product Information Antifoam

Dow Corning[®] 1430 Antifoam

FEATURES

- Antifoaming in aqueous systems of extreme pH

BENEFITS

- Excellent long-term antifoaming performance, even in alkaline solutions

COMPOSITION

- Silicone emulsion
- Milky-white liquid

Used in a variety of industrial applications including extreme pH conditions

APPLICATIONS

- For use in latex manufacturing
- Waste water treatment
- Gas processing
- Distillation systems

TYPICAL PROPERTIES

Specification Writers: These values are not intended for use in preparing specifications. Please contact your local Dow Corning sales office or your Global Dow Corning Connection before writing specifications on this product.

Appearance	White
Active Ingredient, percent	30
Specific Gravity, at 25°C (77°F)	1.0
Viscosity at 25°C (77°F), cp	8,000
Consistency at 25°C (77°F), (cp)	Medium
pH	4
Emulsifier Type	Nonionic
Suitable Diluent	Cool water

DESCRIPTION

Dow Corning[®] Antifoam 1430 is a water-dilutable, 30 percent active silicone emulsion that is designed to control foam in aqueous systems.

HOW TO USE

Amount Needed

Dow Corning[®] Antifoam 1430 works effectively in very low concentrations. One to 100 parts of active silicone 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:

10.9 ounces in 500 gallons = 50 ppm

22.0 ounces in 1,000 gallons = 50 ppm

55.1 ounces in 2,500 gallons = 50 ppm

16.5 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 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.

If the system can provide adequate agitation to disperse the antifoam, the antifoam emulsion may be added directly without predilution being necessary.

3. Add the diluted antifoam prior to the point where foaming occurs within the system, if possible.

A preservative to guard against microbial growth is included in Dow Corning Antifoam 1430. Dilution will substantially diminish the effectiveness of the preservative. If diluted material is to be stored for more than several days, additional preservative may be required. Contact Dow Corning for additional information.

HANDLING PRECAUTIONS

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED. 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 WRITING TO DOW CORNING CUSTOMER SERVICE, OR BY CALLING (517) 496 6000.

USABLE LIFE AND STORAGE

When stored between 20 and 40°C (68 and 104°F), *Dow Corning* Antifoam 1430 has a shelf life of 12 months from date of production.

This product will freeze at or below 0°C (32°F). If frozen, *Dow Corning* Antifoam 1430 can be thawed and used without loss of efficiency. Agitation may be required. Avoid storage conditions above 49°C (120°F).

PACKAGING

This product is available in 40-lb (18.1-kg), 440-lb (199.6-kg) and 40,000-lb (18,144-kg) containers, net weight.

LIMITATIONS

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

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 - 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.

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. Unless Dow Corning provides you with a specific, duly signed endorsement of fitness for use, Dow Corning disclaims liability for any incidental or consequential damages. Suggestions of use shall not be taken as inducements to infringe any patent.