

Coastal 103

Silicone Antifoam



Product Information

Coastal 103 is a water-dilutable, 30 percent-active silicone emulsion that is designed to control foam in aqueous systems

Typical Physical Properties

Type	Silicone emulsion
Physical Form	Milky-white liquid
Special Properties	Excellent long-term antifoaming performance, even in alkaline solutions.
Primary Uses	Antifoaming in aqueous systems of extreme pH.
Active Ingredient, percent	30
Specific Gravity @ 25°C (77°F)	1
Consistency @ 25°C (77°F), (cp)	Medium (8,000)
pH	4.0
Emulsifier Type	Nonionic Suitable
Suitable Diluent	Cool Water

These values are not intended for use in preparing specifications.

Specification Writers: Please contact Dow Corning Corporation, Midland, Michigan, before writing specifications on this product.



Coastal Chemical Co., L.L.C., a Brenntag Company

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Uses:

Coastal 103 can be used in a variety of industrial applications including extreme pH conditions. Some typical uses include:

- Latex Manufacturing
- Waste Water Treatment
- Gas Processing
- Distillation Systems

How to Use:

Amount Needed: Coastal 103 works effectively in very low concentrations. Ten to 25 parts of active silicone per million parts foamer are sufficient to eliminate most foams. Begin trials at higher use levels (25 ppm active silicone), then work down to the level of foam control desired. The following are parts per million equivalents:

- 1.67 oz in 500 gallons = 25ppm
- 3.34 oz in 1,000 gallons = 25ppm
- 8.34 oz in 2,500 gallons = 25 ppm
- 2.5 q in 25,000 gallons = 25ppm

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 Coastal 103. 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 Coastal Chemical Co., LLC for additional information.

Toxicological Information

Coastal 103 should present no significant adverse health hazard when used in typical industrial applications. As with all industrial chemicals, contact with eyes or skin should be avoided. In case of eye contact, prompt rinsing with water is recommended. Contaminated skin should be flushed with water as soon as possible.

The data presented in this bulletin are typical only and not specifications. The information and suggested uses are based on evaluations believed reliable. No guarantee or warranties are expressed or implied, however, including the implied warranty of merchantability and fitness for particular purpose. Coastal Chemical Co., LLC disclaims any liability in the use of these data, including possible infringement of patent.



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