

Clearco Silicone Defoamer #10 (food grade)



10% aqueous silicone emulsion.....meets FDA 21 CFR 173.340



Clearco Silicone Defoamer #10 (food grade) is a 10% aqueous emulsion of polydimethylsiloxane that is useful in many food and industrial processing systems. It is water dilute-able and effective over a wide range of temperature and pH conditions.

Clearco Silicone Defoamer #10 is approved as a direct food additive under 21 CFR 173.340 and may be used in foods up to a concentration of 100 parts of Defoamer #10 per million parts of food product. All materials used in Clearco Defoamer #10 are approved for use in the processing of kosher foods.

Typical Applications include:

- Food processing
- Dehydration & Evaporation processing
- Fruit processing
- Fermentation processes
- Freeze Drying processing
- Dairy food processing
- Potato processing
- Adhesive manufacture
- Sugar Refining

Typical Properties

Packing:	5-gallon cube, 55-gallon drums
Type	Silicone Emulsion
Emulsifier Type	Nonionic silicone emulsion
Appearance	Free-flowing white emulsion
Specific Gravity	1.0
PH	Neutral to slightly acidic
Weight	8.2 lbs. per gallon
Color	White
Diluent	Water
FDA	Approved as a direct food additive under 21 CFR 173.340
Concentration	Up to 100 parts per million parts of food product
Storage	12 months

Applications

Clearco Silicone Defoamer #10 is effective in very low concentrations. One to 10 parts of active silicone per million parts foamer are sufficient to control foaming in many systems. Begin trials at higher levels (10ppm active silicone), then work down to a level of foam control desired. The following are parts per million equivalents:

6.7 ounces in 500 gallons = 10 ppm
13.3 ounces in 1,000 gallons = 10ppm
33.4 ounces in 2,500 gallons = 10ppm
10,0 quarts in 25,000 gallons = 10ppm

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

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. (if the system can provide adequate agitation to disperse the antifoam, the antifoam emulsion may be added directly without predilution necessary.
3. Add the antifoam prior to the point where foaming occurs within the system if possible.

Ingredients

Hydrophobic SilicaCAS 67762-90-7 <10%
Water

Storage & Shelf-life

When stored between 20 and 40°C (68 and 104°F), Clearco #10 has a shelf life of 36 months from date of manufacture. This product will freeze below 0°C (32°F). If frozen, it can be thawed and used without loss of efficiency....agitation may be required.

For More Information or to Request a Sample, Contact:

Clearco Products Co., Inc.
Bensalem, PA 19020
Tel: 215 639-2640
Fax: 215 639-2919
Email: info@clearcoproducts.com
Web: www.clearcoproducts.com