



8820 Old Hwy 99 SE, Tumwater, Washington 98501, USA
360-943-6063 800-562-6184 FAX 360-352-4813 www.ch2o.com

Product Bulletin

DF 703 SILICONE-FREE ANTIFOAM

APPLICATION

Product **DF 703** is a biodegradable, silicone-free antifoam developed to prevent excessive foaming in C.I.P. cleaning systems and wastewater applications. It is alkali-soluble and stable, performs in high temperature systems and high protein soil conditions such as whey evaporators, and possesses mild detergency.

DF 703 is stable and long lasting; nevertheless, the product should be protected from freezing and prolonged exposure to direct sources of heat.

DF 703 performs best in alkaline processes operating at temperatures above 90° F (32° C). As with any antifoam or defoamer, thorough testing should always be conducted to determine the suitability and compatibility of the antifoam with the foaming system and processing equipment.

FEEDING TECHNIQUE

To control foam, **DF 703** is normally added directly to the foaming product or process. Each foaming problem is unique and requires different treatment levels of **DF 703**, and trial testing will be necessary to optimize the amount of **DF 703** used in a given process.

SAFETY & HANDLING PROCEDURES

This product has a neutral pH; it can be handled using the standard precautions associated with industrial chemicals. This product is not recommended for use in situations where an aerosol will be generated. It is important to read and understand the SDS before handling or using this product.

DOSAGE

For C.I.P. and wastewater applications, add 100-150 mL of **DF 703** to every 5,000 gal of C.I.P. makeup or system volume, and adjust the dosage rate as needed to the specific conditions in the plant. During an actual foaming event, start with 400 mL per 10,000 gal system volume and adjust from there.

CONTROL

A residual of 2 to 5 parts per million is adequate for most normal foaming problems. Due to the highly variable nature of foaming mediums, sometimes appreciably more or less defoamer will be required for a given process.

Daily testing is recommended to maintain proper control. Failure to monitor and maintain treatment levels can cause damage. In addition to monitoring and maintaining treatment levels, it is the customer's responsibility to ensure the product is fit for its intended application. Additional testing may be performed upon request.

PHYSICAL PROPERTIES

pH of 1% Solution	5.0 – 7.0
Pounds per Gallon	8.3 – 8.8
Physical Appearance	Transparent to Yellow
Odor	Mild, Non-descript
Flash Point	N/A

Seller Warranty

CH₂O brand test reagent refills are available through your sales representative at no charge. Customers are required to confirm product compatibility via a control test for their specific application. CH₂O recommends that you perform regular/daily testing to control chemical levels and cycles of concentration within established limits. Additional tests may be performed at your request. Test reports reflect conditions at the point when the analysis was performed. Results will change over time and with varying operating conditions.

Seller warrants that this product conforms to its chemical description and is reasonably fit for the purpose referred to in the product data sheet. Buyer is responsible to ensure that products and product dosages are appropriate for Buyer's particular application. Seller makes no other warranty or representation of any kind, express or implied, concerning the product, including NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS OF THE GOODS FOR ANY OTHER PARTICULAR PURPOSE. No such warranties shall be implied by law and no agent of seller is authorized to alter this warranty in any way except in writing with a specific reference to this warranty. The exclusive remedy against seller shall be a claim for damages not to exceed the purchase price of the product, without regard to whether such a claim is based upon breach of warranty or tort. Jurisdiction for any issues arising from or relating to this product shall be in the courts of the State of Washington and the venue shall be Thurston County. Any controversy or claim arising out of or relating to this contract, or breach thereof, shall be settled by arbitration in accordance with the rules and procedures as stated in RCW 7.06 and shall be binding upon both parties without right to appeal, and judgment upon the award rendered by the Arbitrator(s) may be entered in any court having jurisdiction thereof.

Applies to all products sold by CH₂O, Inc., and is hereby communicated to all of its customers as a condition of sale. Use of CH₂O products is subject to the Standard Terms and Conditions as listed on CH₂O, Inc.'s website at: www.ch2o.com.



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