

Esca™ FDP Antifoam

Product Description

Esca FDP antifoam is a highly effective silicone-based antifoam emulsion which has been developed for use in processing and other applications where quick knockdown of foam is required.

Key Features and Typical Benefits

- Outstanding reliability and versatility
- Highly-effective, enabling attainment of foam control with minimum addition of non-nutrient additives
- Available in easy-to-use emulsion form

Typical Physical Properties

Appearance	Off white, viscous emulsion
Specific Gravity at 25 °C	1.0
Percentage Silicone	10

Typical properties are average data and are not to be used as or to develop specifications.

Storage and Shelf Life

The product should be stored below 32 °C and ideally should not be allowed to freeze. Shelf life of the unopened container is 24 months from date of manufacture. If you wish to use the product after this time, please contact us for approval.

Potential Applications

Esca FDP antifoam is recommended for a wide variety of aqueous processes (for non-aqueous applications we normally recommend Antifoam C100F), including the following: food and food additives processing; chemical manufacturing and formulations; water and effluent treatment. Esca FDP antifoam is effective as a processing aid in many food processing applications thanks to its knockdown efficiency and speed, that make it a very versatile foam control agent.

Esca FDP antifoam offers many advantages in the manufacturing of a wide range of chemicals and subsequent compounds and formulations. Esca FDP antifoam effectiveness, inert nature, and low level of use allow minimal interference in the process and subsequent applications. The product is ideally suited for use in water and effluent treatment. It can be easily diluted with water, for an easier addition. Its non-toxic properties mean little interference with biological treatment processes.

For regulatory information, contact us at the address below.

General Considerations for Use

Esca FDP antifoam disperses easily in both warm (<45 °C) and cold aqueous systems, requiring only mild agitation to disperse it completely in the foaming system. For maximum efficiency and economy, we recommend diluting the antifoam with water before use, in the ratio of one part of Esca FDP antifoam to nine parts of cool soft or deionised water. Add the water slowly to the antifoam with continual low-shear agitation. The quantity of antifoam required can only be found by experiment. In general, between 100 and 500 ppm of the product is all that is required (500 ppm = 0.5 litres of product per 1000 litres of foaming media).

Trace Analysis of Foodstuffs for Silicone

We are able to advise customers on analytical methods for determining trace quantities of silicone in foodstuffs.

Toxicity

The components of Esca FDP antifoam have a very low order of toxicity although prolonged contact with the skin or contact with the eyes may cause some irritation. See our antifoam health and safety sheet for more information.

Technical Service

Our technical and sales staff have considerable experience of the use of silicone products in a wide variety of industries and the benefit of this experience is freely available to all our customers.

Patent Status

Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute the permission, inducement, or recommendation to practice any invention covered by any patent without authority from the owner of the patent.

Product Safety, Handling, and Storage

Customers should review the latest Safety Data Sheet (SDS) and label for product safety information, safe handling instructions, personal protective equipment, if necessary, emergency service contact information, and any special storage conditions required for safety. Momentive Performance Materials (MPM) maintains an around-the-clock emergency service for its products. SDS are available at www.momentive.com or, upon request, from any MPM representative. For product storage and handling procedures to maintain the product quality within our stated specifications, please review Certificates of Analysis, which are available in MyMomentive™ Order Management Site. Use of other materials in conjunction with MPM products (for example, primers) may require additional precautions. Please review and follow the safety information provided by the manufacturer of such other materials.

Limitations

Customers must evaluate Momentive Performance Materials products and make their own determination as to fitness of use in their particular applications.

Customer Service Centers

For additional information, please contact our Customer Service Team

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