

## Esca™ FDK Antifoam

### Product Description

Esca FDK antifoam is a highly effective silicone-based antifoam emulsion which has been developed for food use as a processing aid in the food industry. Esca FDK antifoam has been certified Kosher and Parev by the Manchester Beth Din.

### 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 12 months from date of manufacture. Some separation can occur during this time. The product can be reconstituted by shaking or stirring. If you wish to use the product after this time, please contact us for approval.

### Potential Applications

Esca FDK antifoam is recommended for a wide variety of aqueous processes (for non-aqueous applications we normally recommend Antifoam C100F). Esca FDK antifoam is used as a processing aid for a wide variety of food processes including the following:

- Animal foodstuffs / Animal by-products
- Evaporation and dehydration of foodstuffs
- Fermentation processes / Jam manufacture
- Low foam washing formulations
- Paper coating
- Petfood manufacture
- Potato crisp manufacture
- Vinegar manufacture
- Water treatment, including swimming pools

For regulatory information, contact us at the address below.

### General Considerations for Use

Esca FDK 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 the antifoam be diluted with water before use, in the ratio of one volume of Esca FDK antifoam to nine volumes of cool soft or deionised water, the water being added slowly to the antifoam with continual low-shear agitation. For best results the diluted antifoam should be used within twelve hours of dilution. 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 FDK 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 with the use of silicone products in a very 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](http://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 the Order Center. 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

<b>AMERICAS</b>	+1 800 295 2392 Toll Free* +704 805 6946 Direct Number
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