

Esca™ FD50K Antifoam

Product Description

Esca FD50K antifoam is a highly effective silicone-based antifoam emulsion developed for use in the food industry as a processing aid. Esca FD50K antifoam has been especially formulated for export markets requiring a concentrated form of silicone antifoam emulsion. Esca FD50K antifoam has been certified as Kosher and Parev by the Manchester Beth Din.

Key Features and Typical Benefits

- Outstanding efficiency and versatility
- Economical in use
- Available in easy-to-use emulsion form
- Dilutions for resale made from concentrate using thickeners

Typical Physical Properties

Appearance	Off white, viscous emulsion
Specific Gravity at 25 °C	1.0
Percentage Silicone	50

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. If you wish to use the product after this time, please contact us for approval.

Potential Applications

Esca FD50K antifoam is recommended for a wide variety of aqueous processes (for non-aqueous applications we normally recommend Antifoam C100F). Esca FD50K antifoam is used as a processing aid for a wide variety of food processes including the following:

- Bottle washing
- Brewing
- Evaporation and dehydration of foodstuffs
- Fermentation processes
- Low foam washing formulations
- Paper coating
- Pickle processing
- Potato crisp manufacture
- Sugar beet processing
- Sugar molasses
- Vegetable processing
- Vinegar manufacture

For regulatory advice contact us at the address below.

General Considerations for Use

Esca FD50K 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 part of Esca FD50K antifoam to forty-nine parts of cool soft or deionised water with 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).

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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 FD30K antifoam have a very low order of toxicity, although prolonged contact with the skin or contact with the eyes may cause some irritation. See the antifoam healthy and safety datasheet for more information.

Technical Service

Our technical and sales staff have considerable experience with 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 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

AMERICAS	+1 800 295 2392 Toll Free* +704 805 6946 Direct Number
LATIN AMERICA	BRAZIL +55 11 4534 9650 Direct Number MEXICO +52 55 2169 7670 Direct Number *All American countries
EMEI - EUROPE, MIDDLE EAST, AFRICA & INDIA	EUROPE +390510924300 Direct Number INDIA, MIDDLE EAST & AFRICA +91 44 71212207 Direct Number* *All Middle Eastern countries, Africa, India, Pakistan, Bangladesh, Sri Lanka
ASIA PACIFIC	CHINA 800 820 0202 Toll Free +86 21 3860 4892 Direct Number JAPAN +81 3 5544 311 Direct Number KOREA +82 2 6201 4600 Direct Number SOUTH EAST ASIA, AUSTRALIA & NEW ZEALAND +60 3 9206 1543 Direct Number* *All East Asia countries (Malaysia, Singapore, Thailand, Indonesia, Vietnam, Philippines, Cambodia, Myanmar / other countries located in Pacific region)
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260 Hudson River Road
Waterford, NY 12188 USA
momentive.com