

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 24 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 diluting the antifoam with water before use, in the ratio of one volume of Esca FDK antifoam to nine volumes of cool soft or deionised water. Add the water 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 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

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 +39 0875 758888 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 Sales-JP.Silicones@momentive.com 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)
Visit us at www.momentive.com	

DISCLAIMER - THE MATERIALS, PRODUCTS, AND SERVICES OF MOMENTIVE PERFORMANCE MATERIALS, INC. AND ITS SUBSIDIARIES AND AFFILIATES (COLLECTIVELY "SUPPLIER") ARE SOLD SUBJECT TO SUPPLIER'S STANDARD CONDITIONS OF SALE, WHICH ARE INCLUDED IN THE APPLICABLE DISTRIBUTOR OR OTHER SALES AGREEMENT, PRINTED ON THE BACK OF ORDER ACKNOWLEDGMENTS AND INVOICES, AND AVAILABLE UPON REQUEST. ALTHOUGH ANY INFORMATION, RECOMMENDATIONS, OR ADVICE CONTAINED HEREIN IS GIVEN IN GOOD FAITH, SUPPLIER MAKES NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, (i) THAT THE RESULTS DESCRIBED HEREIN WILL BE OBTAINED UNDER END-USE CONDITIONS, OR (ii) AS TO THE EFFECTIVENESS OR SAFETY OF ANY DESIGN INCORPORATING ITS PRODUCTS, MATERIALS, SERVICES, RECOMMENDATIONS, OR ADVICE. EXCEPT AS PROVIDED IN SUPPLIER'S STANDARD CONDITIONS OF SALE, SUPPLIER AND ITS REPRESENTATIVES SHALL IN NO EVENT BE RESPONSIBLE FOR ANY LOSS RESULTING FROM ANY USE OF ITS MATERIALS, PRODUCTS, OR SERVICES DESCRIBED HEREIN.

Each user bears full responsibility for making its own determination as to the suitability of Supplier's materials, services, recommendations, or advice for its own particular use. Each user must identify and perform all tests and analyses necessary to assure that its finished parts incorporating Supplier's products, materials, or services will be safe and suitable for use under end-use conditions. Nothing in this or any other document, nor any oral recommendation or advice, shall be deemed to alter, vary, supersede, or waive any provision of Supplier's standard Conditions of Sale or this Disclaimer, unless any such modification is specifically agreed to in a writing signed by Supplier. No statement contained herein concerning a possible or suggested use of any material, product, service, or design is intended, or should be construed, to grant any license under any patent or other intellectual property right of Supplier covering such use or design, or as a recommendation for the use of such material, product, service, or design in the infringement of any patent or other intellectual property right.

The use of the "™" symbol designates registered or unregistered trademarks of Momentive Performance Materials, Inc. or its affiliated companies.

Momentive and the Momentive logo are registered trademarks of Momentive Performance Materials, Inc.

Copyright 2024 Momentive Performance Materials, Inc. All rights reserved.



2750 Balltown Road
Niskayuna, NY 12309
momentive.com