

## Esca™ Ferm Antifoam

### Product Description

Esca Ferm antifoam is a highly effective, general purpose antifoam that is particularly effective in brewing and fermentation applications. However, it is a very versatile antifoam and is equally efficient in preventing foam in many cooking, processing, and preparation applications throughout the food industry.

All the ingredients of Esca Ferm antifoam have E numbers (European Food Additive numbers). Additionally, Esca Ferm antifoam is certified Kosher by the Manchester Beth Din.

### Typical Physical Properties

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

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. Some settling of the contents may occur with time, but the product can easily be reconstituted by simple stirring. Shelf life of the unopened container is 36 months from date of manufacture.

### Potential Applications

Esca Ferm antifoam has been proven to provide excellent antifoaming properties in most fermentation applications and many varied food processing applications. It controls foam generation enabling manufacturing processes to operate at full capacity without the risk of overflow. It reduces accumulation of starch and other materials in the foam layer, which can have a detrimental effect on production.

### General Considerations for Use

In use, Esca Ferm antifoam may be added to the foaming system directly. It may also be pre-diluted with either water, or a portion of the foaming medium itself to aid dispersion. As a general rule, Esca Ferm antifoam will be effective at levels below 50 ppm in most food processing applications.

In brewing applications, the antifoam is removed at the filtration stage and therefore has no detrimental effect on head retention.

We would suggest that customers consult the relevant food regulations when using any form of antifoam or defoamer to confirm compliance in the intended application.

### Compliance

Basildon Chemical Co. Ltd. (a Momentive Group Company) operates a HACCP certified quality and product manufacturing system. Our certificate can be downloaded from our website.

Esca Ferm antifoam has been formulated for use in a variety of indirect food applications as a processing aid. The product components comply with one or more sub-parts of the following FDA CFR title 21 parts: 172,173,175,176,177,178,182 & 184. All the components are generally recognized as safe in food applications, provided any specified concentration limits of the title 21 subparts are adhered to. CAS component lists are available.

Esca Ferm antifoam is approved Kosher Parev by the Manchester Beth Din and is approved by the Halal Food Authority.

### Toxicity

The components of Esca Ferm 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 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

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