

## Esca™ NP Antifoam

### Product Description

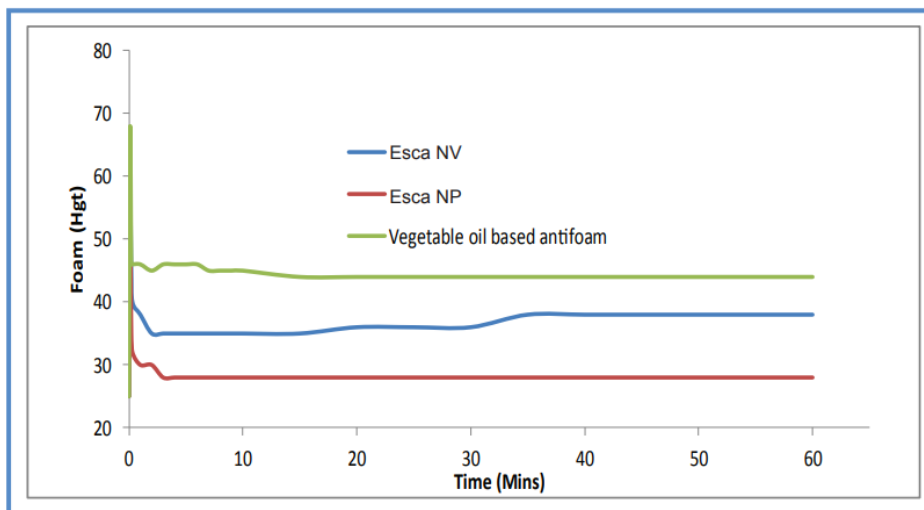
- Based on non-silicone chemistry
- Excellent balance of foam-kill and longevity characteristics
- Concentrated antifoam processing aid that gives outstanding foam control in demanding applications
- Designed for fermentation applications including wheat, corn, and molasses. It can also be used in root vegetable and fruit processing applications.
- Approved Kosher by the Manchester Beth Din and certified Halal by the Halal Food Authority

### Typical Physical Properties

Appearance	Clear to slightly hazy pale liquid
Specific Gravity at 25 °C	1.0
Activity, %	100
Shelf Life	24 months from date of manufacture if stored at below 32 °C

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

### Foam evaluation in molasses substrate - antifoam added at 200 ppm.



Test data. Actual results may vary. Test data should not be relied upon in making product specifications.

### Storage and Shelf Life

The product should be stored below 32 °C. Some clouding of the product may occur on prolonged storage. The product can easily be reconstituted by simple stirring. Shelf life of the unopened container is 24 months from date of manufacture.

### Potential Applications

Esca NP antifoam has been proven to provide excellent antifoaming properties in a range of food processing applications and is specifically designed as a processing aid for root vegetables and fruit. It also offers outstanding foam control in fermentation processes such as wheat, corn, and molasses.

### General Considerations for Use

Recommend usage levels are between 100 and 500 ppm depending on application. As part of the evaluation process, we recommend sampling a range of inclusion levels to obtain the optimal performance. In most applications, once the processing cycle is complete, any residual antifoam can be removed by filtration along with other insoluble materials.

## Esca NP Antifoam

For maximum performance, Esca NP antifoam should be added before foam is generated. Additional antifoam can be added during processing if greater control is required.

Antifoam performance is not compromised by autoclave sterilisation. Esca NP antifoam can be used equally well as a concentrate or as a dispersion with other raw materials.

### 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 NP antifoam is approved Kosher Parev by the Manchester Beth Din and certified Halal by the Halal Food Authority. It has been formulated for use in a variety of indirect food applications as a processing aid.

The product components comply with current EU as well as one or more of FDA CFR 21 regulations. All of the components are considered to be suitable for most food processing applications provided any specified concentration limits of the title 21 subparts are adhered to.

We suggest that the relevant food regulations are consulted when using any form of antifoam or defoamer to confirm compliance for the intended application. A CAS component list is available.

### Toxicity

The components of Esca NP 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 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](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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