

ESCA™ FD20K ANTIFOAM



Description

Esca™ FD20K Antifoam is a highly effective silicone based antifoam emulsion which has been developed as a processing aid for use in the food industry where a concentrated form of silicone antifoam emulsion is required.

Esca FD20K has been certified as Kosher and Parev by the Manchester Beth Din.

Product Features

1. Outstanding reliability and versatility.
2. Highly effective, enabling attainment of foam control with minimum addition of non-nutrient additives.
3. Available in easy-to-use emulsion form.

Typical Properties

These values are not intended for use in preparing specifications (see table).

Method of Use

Esca FD20K disperses easily in both hot 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 FD20K to twenty nine parts of cool soft or deionised water, the water being added slowly to the antifoam with continual lowshear 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 500ppm of the product is all that is required (500ppm = 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.

Applications

Esca FD20K is recommended for a wide variety of aqueous processes (for non-

aqueous applications we normally recommend Antifoam C100F). Esca FD20K 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 information contact Basildon Chemicals at the address below.

Toxicity and Handling

The components of Esca FD20K 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.

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.

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.

Basildon Chemical Co. Ltd.

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Typical Properties

Percentage silicone:	20
Specific gravity (25°C):	1.0
Appearance:	Off white, viscous emulsion

Although every effort has been made to ensure that the information contained in this data sheet is reliable, we cannot be held responsible for the correctness of the information or for any loss, injury or damage which may result from its use. Also suggestions of uses should not be taken as inducements to infringe any particular patent.