

ANTIFOAM C100

Description

Basildon Chemicals Antifoam C100 is a 100% active silicone compound. It is a highly effective antifoam used in a wide variety of both aqueous and non-aqueous foaming systems. Antifoam C100 is a translucent, viscous, pseudoplastic compound of polydimethylsiloxane fluid and silica filler. It is tasteless with a slight, but not unpleasant odour.

Typical Properties

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

Method of Use

Antifoam C100 may be applied neat or dispersed in an acceptable organic solvent. A list of suggested solvents for Antifoam C100 is set out below.

Dispersion of the antifoam in a solvent before adding to the foaming system will aid dispersion, and therefore antifoaming efficiency and stability of Antifoam C100. Alternatively Antifoam C100 can sometimes be dispersed in either one of the ingredients of the foaming medium or even in a small quantity of the foaming medium itself. In all cases, agitation of the foaming system during or immediately following the antifoam addition is necessary to attain optimum dispersion.

Gentle agitation of solvent dispersions of Antifoam C100 is generally necessary if the dispersions are stored for longer than a few hours. The quantity of antifoam required can only be found by experiment.

In general between 10 and 100ppm of the product is all that is required (100ppm = 0.1 litres of product per 1000 litres of foaming media).

Suitable solvent diluents include amyl acetate, ethyl acetate, 2-ethyl hexanol, kerosine, methyl isobutyl ketone, perchlorethylene, toluene, white spirits and xylene.

Applications

Antifoam C100 is recommended for a wide variety of both aqueous and non-aqueous industrial processes including the following:

- Cutting oils
- Epoxy resins
- Low-foam detergents
- Oil additives
- Paint and paint resins
- Printing inks

Toxicity and Handling

The components of Antifoam C100 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.

Storage & Shelf Life

This 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 12 months from date of manufacture. 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.

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Typical Properties

Specific gravity (25°C):	1.0
Flash point (open cup ASTM-D-92-33):	>315°C
Colour:	Translucent, grey
Silica content:	5%

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