

# BC SIMETHICONE ANTIFOAM C100F

## Description

Basildon Chemicals Antifoam Simethicone C100F is a highly effective 100% silicone antifoam compound which has been developed specifically for pharmaceutical applications. This compound consists of specially developed polydimethylsiloxane fluid and silica aerogel. The silica aerogel activates the defoaming properties of the silicone fluid.

## Product Features

1. Outstanding reliability and versatility.
2. Highly effective in foam control.
3. Acceptable for use in pharmaceutical products under most countries' regulations.

## Typical Properties

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

## Method of Use

Incorporating this product into tablets and gel preparations is a specialised pharmaceutical process. Although in general, we do not advise on this, we do have some limited experience on this subject and this is freely available to both customers and potential customers.

## Applications

Simethicone C100F can be used as an ingredient in antifatulent preparations for treatment of intestinal gas and bloating in humans. The use of silicone antifoams in the treatment of this condition is both well known and widely reported.

The application of silicone antifoam is thought to produce a coalescence of the gas bubbles producing free gas which can then be more easily removed by belching or passing flatus.

Simethicone C100F is normally recommended for antifatulent preparations in gel or tablet form.

Simethicone C100F can also be used in suppressing frothy bloat in cattle, either on their own, supplied with other ingredients in a drench form or combined with salt licks.

## Toxicity and Handling

The components of Simethicone C100F have a very low order of toxicity, although prolonged contact with the skin or contact with eyes may cause irritation. See our Antifoam Health & Safety sheet for more information.

## Certificate of Analysis

Simethicone C100F complies with the current USP specification. Generally certificates of analysis are required by customers for all purchases of raw materials for their pharmaceutical products. We produce a certificate of analysis for each batch of these pharmaceutical products and this is available to all customers for each delivery.

## 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 2 years 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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## SIMETHICONE C100F BASIC POLYMER

### Typical Properties

Appearance:	Translucent grey viscous liquid
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Specific gravity (25°C)	0.1
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### Typical Properties (USP Test Methods)

Viscosity (25°C):	3000 cP
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Percentage volatility	<18%
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Heavy Metal Content:	<5ppm
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% PDMS	95%
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% Silica	5%
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Efficiency:	<15 seconds
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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.

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