

## Product Information

### Personal Care

# BC 99/012 Cetyl Dimethicone Copolyol

**INCI name: Cetyl PEG/PPG-7/3 Dimethicone**

#### Description

Basildon Chemicals BC 99/012 is a liquid polysiloxane polyalkyl polyether block copolymer designed for use as a silicone emulsifier for W/O emulsions. The chemical structure of BC 99/012 allows the incorporation of ingredients that would normally have a destabilising effect on the emulsion.

#### Product Features

1. W/O emulsifier for creams, lotions and other personal care products
2. Co-emulsifier for O/W emulsions
3. Enables cold process manufacturing
4. Emulsifier for multiple emulsions (W/O/W)

#### Typical Properties

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

#### Method of Use

BC 99/012 Dimethicone Copolyol can be used in a wide range of personal care formulations. The amount required depends on the specific application. BC 99/012 is soluble in Aromatics, aliphatic and chlorinated hydrocarbons as well as paraffin oil and ester oils. It is insoluble in water and alcohols.

#### Applications

Depending on the viscosity of the oil phase and the water content of the formulation, both viscous and creamy W/O emulsions can be produced by a cold mix process with the aid of BC 99/012.

It also aids the emulsification of paraffin and silicone fluids, as well as fatty acid esters and vegetable triglycerides (some of which are difficult to emulsify).

#### Toxicity and Handling

BC 99/012 Dimethicone Copolyol is basically non-hazardous with a very low order of toxicity, although contact with the skin or with the eyes may cause irritation.

See our material safety data sheet for more information.

#### Storage and Shelf Life

Store in cool and dry conditions. When stored at below 32°C the product has a shelf life of 12 months from the date of manufacture. The product may solidify when subjected to temperatures below 20°C. It can be easily melted by gentle warming. This will not effect the performance of the product.

#### 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 Company Limited

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#### Typical Properties

Specific gravity (25°C)	0.93
Appearance:	Clear to hazy, colourless to straw liquid
Viscosity:	400-2000cS
CTFA/INCI designation:	Cetyl PEG/PPG-7/3 Dimethicone

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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