

## Product Information

### Personal Care

# BC 96/061 Dimethicone Copolyol

**INCI name: PEG/PPG-18/18 Dimethicone**

#### Description

BC 96/061 Dimethicone Copolyol is a copolymer of polydimethylsiloxane and polyoxyalkylene ether. This combination gives properties, which are unique to this type of material.

#### Product Features

1. Aqueous and non-aqueous surface tensions of organo-modified silicones are lower than conventional organic surfactants.
2. Readily soluble and stable in cool water and lower alcohols.
3. Exhibits surfactant like properties.
4. Profoaming
5. Acts as a hydrator and detackifier.

#### Typical Properties

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

#### Method of Use

BC 96/061 Dimethicone Copolyol can be used in a wide range of personal care formulations. The amount required depends on the specific application. It can be diluted with cool water and lower alcohols.

#### Applications

BC 96/061 Dimethicone Copolyol imparts lubricity and softness to personal care formulations. Due to its water solubility it can be used to formulate clear products. When used in shampoo formulations it exhibits profoaming qualities helping to stabilise foam levels and provides soft and silky feel. The type of products that can be enhanced by the addition of BC 96/061 Dimethicone Copolyol includes the following:

Hair sprays	Conditioners
Hand lotion	Mousses
Antiperspirants	Gels/setting lotions
Shaving aids	Foundations
Shampoos	Roll-ons
Conditioning shampoos	Creams

#### Toxicity and Handling

BC 96/061 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 Health and Safety 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.

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#### Typical Properties

Specific gravity (25°C)	1.03
Appearance:	Clear to hazy, colourless to straw liquid
Viscosity:	1500 – 2500cS
CTFA/INCI designation:	PEG/PPG-18/18 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 use: should not be taken as inducements to infringe any particular patent

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