

## Product Information

### Personal Care

# BC 2440 Formulation Aid

**INCI name: Cyclopentasiloxane (and) PEG/PPG-18/18 Dimethicone**

#### Description

Basildon Chemicals 2440 is a mixture of silicone polyether and cyclomethicone, designed specifically to assist in production of water in oil formulations, especially water in silicone ones.

#### Product Features

1. Acts as delivery system for actives.
2. Allows formation of stable water in silicone emulsions.
3. Can help formation of clear W/O emulsions.
4. Helps solubilize polar & non-polar ingredients in W/O formulations.
5. Available in 25 kg or 200 kg pack sizes.

#### Typical Properties

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

#### Method of Use

This will depend on the type of formulation in which the BC 2440 is being included and the other ingredients involved. To make a W/O emulsion using BC 2440, the water phase should be added slowly to the oil phase while using a high shear mixer. The higher the water content, the more viscous the emulsion will be.

Please Note: BC 2440 is a two phase product & it is recommended that it be stirred before use.

#### Applications

BC2440 was developed to assist in the production of water in oil cosmetic formulations. It is, in itself a product with two phases. An external silicone and an internal aqueous one. Therefore, both polar and non-polar ingredients can be dissolved in it for inclusion in W/O formulations such as:

- Skin Care Creams & Lotions
- Sun Care Products
- Antiperspirants & Deodorants

#### Toxicity and Handling

BC2440 is basically non-hazardous with a very low order of toxicity, although prolonged contact with the skin or contact with the eyes may cause some irritation. See our Health and Safety sheet for more information.

#### Storage and Shelf Life

Store under cool and dry conditions. When stored at below 32°C BC2440 has a shelf life of 12 months from the date of shipment. Do not allow the product to freeze.

#### 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):	0.96
Appearance:	Hazy, grey liquid
Non-Volatile Content:	10.5%
INCI / CTFA Designation:	Cyclopentasiloxane (and) 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 uses should not be taken as inducements to infringe any particular patent

