

Product Information

Personal Care

BC 2105 Trimethylsilylamodimethicone Microemulsion

INCI name: Trimethylsilylamodimethicone (and) C11-15 Pareth-5 (and) C11-15 Pareth-9

Description

Basildon Chemicals BC 2105 is a high clarity/low odour micro-emulsion of trimethylsilylamodimethicone developed specifically for use in aqueous hair care applications where these requirements are paramount.

Product Features

1. Amino functional silicone for improved substantivity.
2. Ultra fine particle size for excellent stability. (< 40 nanometres)
3. Emulsion for ease of inclusion in aqueous formulations.
4. Transparent to enable formulation of transparent or clear products.
5. Virtually odourless.
6. 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 2105 is being included and the other ingredients involved. However, it can generally be added to aqueous formulations with low shear mixing and no heating is required. Guiding formulations are available on request.

Applications

BC 2105 is designed for use as a conditioning agent for use in a variety of hair care applications. Its formulation means that the silicone is highly substantive and because of its

fine particle size, a high degree of cuticle penetration can take place. Being a micro-emulsion with a high degree of clarity, it is ideally suited to use in transparent or clear formulations where high quality conditioning is required without loss of clarity in the finished product. The following are the main applications:

- ◆ Shampoo
- ◆ Leave-in conditioner
- ◆ Rinse-off conditioner
- ◆ Cuticle Coat
- ◆ Mousse products

Toxicity and Handling

Prolonged contact with the skin or 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 BC 2105 Trimethylsilylamodimethicone Microemulsion has a shelf life of 12 months from the date of manufacture. 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.

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Typical Properties

Specific gravity (25°C):	1.0
Appearance:	Clear, colourless micro emulsion
Percentage silicone:	20%
CTFA/INCI designation:	Trimethylsilylamodimethicone (and) C11-15 Pareth-5 (and) C11-15 Pareth-9.

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