

## BeauSil™ WAX 046 Modified siloxane as an ingredient for Personal Care.

### Description

Silicone waxes are more than an emollient in Personal Care. Silicone waxes are alkyl modified polydimethyl siloxanes that act different than classic silicone fluids in formulations. Outstanding performance is created by the alkyl modification which result in unique physical and chemical properties.

### Key Features

- Water repellency
- Emollient, Softness and Smoothness, Reduces tackiness
- Enhances Spreading and Solubilizing of natural lipids
- Gives texture / structure

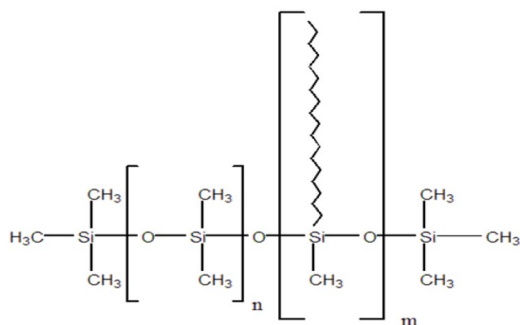
### Key Applications

- Skin Care
- Color Cosmetic
- Sun Care

### Application

BeauSil WAX 046 improves smoothness, detackification, lubricity gloss, emolliency and water repellency. It provides higher spreadability, non sticky feel and moisturising benefits when melts on contact with skin. BeauSil WAX 046 works as a solubiliser for natural lipids in silicone fluids or it works like booster for natural lipids for an improved spreading and non-greasy feeling.

### Structure of a silicone wax



### Health & Safety

Safety Data Sheets on request available.

### Packagin

Drums. Contact our sales department for more information.

Revision Date 12 May 2021  
Revision No 2  
Download Date 29 Nov 2021

### Property

#### Product

Appearance

INCI Name

Ionicity

MIT Free

Melting point (°C)

Non-Volatile Content (%)

Ultralow cyclic content

#### Addition Rates

Dosage - 1

Dosage - 2

#### Solubility

Solubility - Almond oil

Solubility - Cetyl Dimethicone

Solubility - Dimethicone 350cst

Solubility - Ethanol

Solubility - Ethylhexylcarbonate

Solubility - Glycerine

Solubility - IPM

Solubility - Isododecane

Solubility - Paraffin Oil

Solubility - Polysorbate-20

Solubility - Propylenglycol

Solubility - Water

#### Storage

Max Storage Temperature

Min Storage Temperature

Shelf Life

### Test Method

### Value

Colourless to slightly yellow wax

C20-24 alkyl dimethicone (and) Caprylyl methicone

Non-ionic

Yes

Approx. 30

Approx. 100

Yes

0.5 - 5.0% as emollient

5.0 - 20.0% for building texture and thickening agent

Miscible

Soluble

Insoluble

Insoluble

Soluble

Insoluble

Soluble

Soluble

Insoluble

Insoluble

Insoluble

Insoluble

40 °C / 104 °F

4 °C / 39 °F

24 mths

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The CHT technical service department is available to offer further information and advice and should it be needed to look at modifying current products or custom formulate a new one to meet your specific requirements. Please contact the technical service department.

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