# TECHNICAL DATA SHEET



# CHT-BeauSil<sup>™</sup> 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**

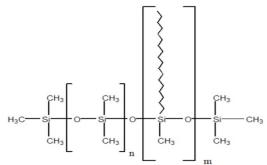
- Skin Care
- Color Cosmetic

# Sun Care

#### Application

CHT-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. CHT-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 nongreasy feeling.

#### Structure of a silicone wax



### Health & Safety

Safety Data Sheets on request available. Packaging

Drums. Contact our sales department for more information.

Revision Date	30 Nov 2021
Revision No	3
Download Date	18 May 2024

# Property

Product

Method Value

wax

Yes

Non-ionic

Approx. 30

Approx. 100

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

Yes 0.5 - 5.0% as emollient

Colourless to slightly yellow

C20-24 alkyl dimethicione

(and) Caprylyl methicone

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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