## **TECHNICAL DATA SHEET**



# CHT-BeauSil™ WAX 069 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

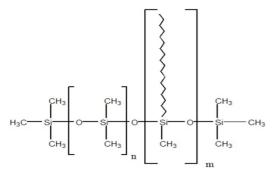
## **Key Applications**

- Skin Care
- · Color Cosmetic
- Sun Care

#### **Application**

CHT-BeauSil<sup>TM</sup> WAX 069 improves the smoothness, detackification, lubricity gloss, emolliency and water repellency. It provides a higher spreadability, non-sticky feel and moisturising benefits when it melts on contact with the skin. CHT-BeauSil<sup>TM</sup> WAX 069 improves the skin adhesion of decorative cosmetics and pigment dispersions. CHT-BeauSil<sup>TM</sup> WAX 069 avoids the syneresis in pigmented products (lipstick).

#### 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

Download Date 17 May 2024

Property Test Value Method

**Product** 

Appearance Colorless to slightly yellow

wax

INCI Name Stearyl dimethicone

Ionicity Non-ionic MIT Free Yes

Melting point (°C) Approx. 30 - 32
Non-Volatile Content (%) Approx. 100

Ultralow cyclic content Yes

**Addition Rates** 

Dosage - 1

0.5 – 5.0% in decorative and skin care preparations

1.0 - 3.0% in sun care

Dosage - 2

products

Insoluble

Insoluble

Solubility

Solubility - Almond oil
Solubility - Cetyl Dimethicone
Solubility - Dimethicone
Miscible

350cst

Solubility - Ethanol Insoluble
Solubility - Soluble

Ethylhexylcarbonate

Solubility - Glycerine
Solubility - IPM
Soluble
Solubility - Isododecane
Soluble
Solubility - Paraffin Oil
Solubility - Polysorbate-20
Miscible

Solubility - Propylenglycol Solubility - Water

Max Storage Temperature

Max Storage Temperature

40 °C / 104 °F

Min Storage Temperature

4 °C / 39 °F

Shelf Life

24 mths

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