# **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

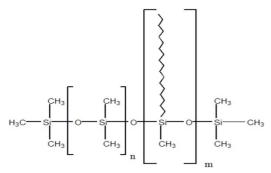
## **Key Applications**

- 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 18 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

### Solubility

Solubility - Almond oil Soluble Solubility - Cetyl Dimethicone Soluble Solubility - Dimethicone **Miscible** 350cst Solubility - Ethanol Insoluble Solubility -Soluble Ethylhexylcarbonate Solubility - Glycerine Insoluble Solubility - IPM Soluble Solubility - Isododecane Soluble Solubility - Paraffin Oil Soluble Solubility - Polysorbate-20 **Miscible** Solubility - Propylenglycol Insoluble Solubility - Water Insoluble

### Storage

Max Storage Temperature  $40 \, ^{\circ}\text{C} \, / \, 104 \, ^{\circ}\text{F}$  Min Storage Temperature  $4 \, ^{\circ}\text{C} \, / \, 39 \, ^{\circ}\text{F}$  Shelf Life  $24 \, \text{mths}$