# **TECHNICAL DATA SHEET**



# CHT-BeauSil WAX 018 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**

- Emollient, Softness and Smoothness, Reduces tackiness
- Water resistance
- Film forming
- Structure, texture and viscosity

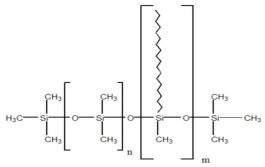
#### **Key Applications**

- Skin Care
- · Color Cosmetic
- Sun Care

#### **Application**

CHT-BeauSil™ WAX 018 improves the water resistance, detackification, gloss, emolliency and works as filmformer. It provides a good spreadability, non-sticky feel and moisturising benefits when it melts on contact with the skin. CHT-BeauSil™ WAX 018 improves the skin adhesion of decorative cosmetics and pigment dispersions.

#### Structure of a silicone wax



#### **Health & Safety**

Safety Data Sheets on request available.

#### **Packaging**

Drums. Contact our sales department for more information.

Revision Date 21 Apr 2022

Revision No

Download Date 14 May 2024

Property Test Value Method

**Product** 

Appearance White to slightly yellow wax

INCI Name Stearyl methicone

Ionicity Non-ionic MIT Free Yes

Melting point (°C) Approx. 45°C Non-Volatile Content (%) Approx. 100

Ultralow cyclic content Yes

#### **Addition Rates**

Dosage - 2

0.5 – 5.0% in decorative and skin care preparations

1.0 - 3.0% in sun care

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

 $\begin{array}{ll} \mbox{Max Storage Temperature} & \mbox{55 °C / 131 °F} \\ \mbox{Min Storage Temperature} & \mbox{4 °C / 39 °F} \\ \mbox{Shelf Life} & \mbox{48 mths} \\ \end{array}$ 

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