# TECHNICAL DATA SHEET



# CHT-BeauSil™ WAX 060 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 and Conditioning agent**
- Gives texture / structure

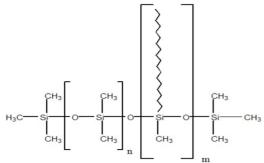
#### **Key Applications**

- Hair Care
- Skin Care
- Color Cosmetic
- Sun Care

#### **Application**

CHT-BeauSil™ WAX 060 improves the smoothness, detackification, lubricity gloss, emolliency and water repellency. It provides higher spreadability, non-sticky feel and moisturising benefits when it melts on contact with the skin. CHT-BeauSil<sup>TM</sup> WAX 060 improves the skin adhesion of decorative cosmetics and pigment dispersions. CHT-BeauSil™ WAX 060 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

Method Value **Property** 

Product

Colorless to slightly yellow Appearance

**INCI Name** C20-24 alkyl dimethicione

Non-ionic Ionicity MIT Free

Melting point (°C) Approx. 40 - 42 Non-Volatile Content (%) Approx. 100

Ultralow cyclic content Yes

**Addition Rates** 

0.5 - 5.0% in decorative and Dosage - 1 skin care preparations

1.0 - 10.0% in lip care Dosage - 2

products

0.5 - 3.0% in hair styling Dosage - 3

products

Soluble

Solubility

Solubility - Almond oil Soluble Solubility - Cetyl Dimethicone Soluble Solubility - Dimethicone **Miscible** 350cst Insoluble Solubility - Ethanol Solubility -

Ethylhexylcarbonate Solubility - Glycerine Insoluble Solubility - IPM Soluble Soluble Solubility - Isododecane Solubility - Paraffin Oil Soluble Miscible Solubility - Polysorbate-20 Insoluble Solubility - Propylenglycol Insoluble Solubility - Water

Storage

40 °C / 104 °F Max Storage Temperature Min Storage Temperature 4 °C / 39 °F Shelf Life 24 mths