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

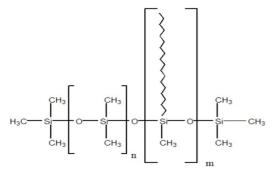
Key Applications

- Skin Care
- · Color Cosmetic
- Sun Care

Application

CHT-BeauSilTM 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-BeauSilTM WAX 069 improves the skin adhesion of decorative cosmetics and pigment dispersions. CHT-BeauSilTM 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 3

Download Date 29 Apr 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 $24 \, \text{mths}$