TECHNICAL DATA SHEET



CHT-BeauSil™ WAX 046 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

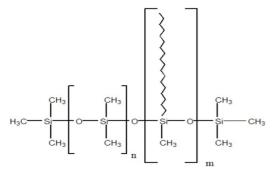
Key Applications

- Skin Care
- · Color Cosmetic
- Sun Care

Application

CHT-BeauSil™ WAX 046 improves smoothness, detackification, lubricity gloss, emolliency and water repellency. It provides higher spreadability, non sticky feel and moisturising benefits when melts on contact with skin. CHT-BeauSil™ WAX 046 works as a solubiliser for natural lipids in silicone fluids or it works like booster for natural lipids for an improved spreading and nongreasy feeling.

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 Colourless to slightly yellow

wax

INCI Name C20-24 alkyl dimethicione (and) Caprylyl methicone

Ionicity Non-ionic MIT Free Yes

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

Ultralow cyclic content Yes

Addition Rates

Dosage - 1

Dosage - 2

0.5 - 5.0% as emollient

5.0 - 20.0% for building texture and thickening agent

Insoluble

Insoluble

Solubility

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

Storage

Solubility - Propylenglycol

Solubility - Water

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