

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™ 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 3
Download Date 29 Apr 2024

Property

Product

Appearance

INCI Name

Ionicity

MIT Free

Melting point (°C)

Non-Volatile Content (%)

Ultralow cyclic content

Addition Rates

Dosage - 1

Dosage - 2

Dosage - 3

Solubility

Solubility - Almond oil

Solubility - Cetyl Dimethicone

Solubility - Dimethicone
350cst

Solubility - Ethanol

Solubility - Ethylhexylcarbonate

Solubility - Glycerine

Solubility - IPM

Solubility - Isododecane

Solubility - Paraffin Oil

Solubility - Polysorbate-20

Solubility - Propylenglycol

Solubility - Water

Storage

Max Storage Temperature

Min Storage Temperature

Shelf Life

Test Method Value

Colorless to slightly yellow
wax

C20-24 alkyl dimethicone

Non-ionic

Yes

Approx. 40 – 42

Approx. 100

Yes

0.5 – 5.0% in decorative and
skin care preparations

1.0 - 10.0% in lip care
products

0.5 - 3.0% in hair styling
products

Soluble

Soluble

Miscible

Insoluble

Soluble

Insoluble

Soluble

Soluble

Soluble

Miscible

Insoluble

Insoluble

40 °C / 104 °F

4 °C / 39 °F

24 mths

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