

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 24 Apr 2024

Property

Product

Appearance
INCI Name
Ionicity
MIT Free
Melting point (°C)
Non-Volatile Content (%)
Ultralow cyclic content

Test Method Value

Colorless to slightly yellow wax
C20-24 alkyl dimethicone
Non-ionic
Yes
Approx. 40 – 42
Approx. 100
Yes

Addition Rates

Dosage - 1 0.5 – 5.0% in decorative and skin care preparations
Dosage - 2 1.0 - 10.0% in lip care products
Dosage - 3 0.5 - 3.0% in hair styling products

Solubility

Solubility - Almond oil Soluble
Solubility - Cetyl Dimethicone Soluble
Solubility - Dimethicone 350cst Miscible
Solubility - Ethanol Insoluble
Solubility - Ethylhexylcarbonate Soluble
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 °C / 104 °F
Min Storage Temperature 4 °C / 39 °F
Shelf Life 24 mths

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