

## CHT-BeauSil™ WAX 055 Modified Siloxane as an ingredient for Personal Care

### Description

Organo modified Silicone polymer for the use as ingredient in Personal Care applications. The unique product allows to formulate high end formulations.

### Key Features

- W/O and W/Si Emulsifier
- Emollient and conditioning agent
- Improves spreading
- Reduce tackiness

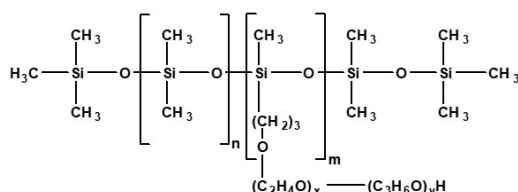
### Key Applications

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

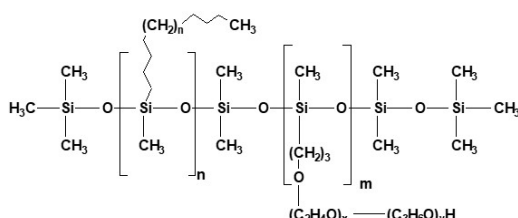
### Application

CHT-BeauSil™ WAX 055 is a silicone emulsifier for creating W/O, W/Si or Si/O Emulsions. CHT-BeauSil™ WAX 055 is compatible with the most ingredients and suitable to act as a solubilizer of organic/natural/silicone ingredients. Beside the emulsification property CHT-BeauSil™ WAX 055 is also an ideal conditioning agent for skin and hair.

### Structure examples of Silicone Emulsifiers / Surfactants



Example for PEG/PPG Dimethicone



Example for Alkyl-PEG/PPG Dimethicone

### Use and Cure Information

Stir before use.

### Health & Safety

Safety Data Sheets available on request.

### Packaging

Drums and bulk containers. Please contact our sales department for more information

Revision Date 30 Nov 2021  
Revision No 3  
Download Date 19 May 2024

### Property

#### Product

Appearance

INCI Name

Ionicity

MIT Free

Non-Volatile Content (%)

Ultralow cyclic content

Viscosity

### Test Method

### Value

Colourless to slightly yellowish fluid

Cetyl-PEG/PPG-10/1-Dimethicone

Non-ionic

Yes

>90

Yes

Brookfield 800 - 2.300 cP

### Addition Rates

Dosage - 1

0.3 - 5.0% as an emulsifier

Dosage - 2

0.5 - 5.0% as conditioning agent

### Solubility

Solubility - Almond oil

Soluble

Solubility - Cetyl Dimethicone

Soluble

Solubility - Dimethicone 350cst

Miscible

Solubility - Ethanol

Miscible

Solubility - Ethylhexylcarbonate

Soluble

Solubility - Glycerine

Miscible

Solubility - IPM

Soluble

Solubility - Isododecane

Soluble

Solubility - Paraffin Oil

Soluble

Solubility - Polysorbate-20

Insoluble

Solubility - Propylenglycol

Miscible

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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