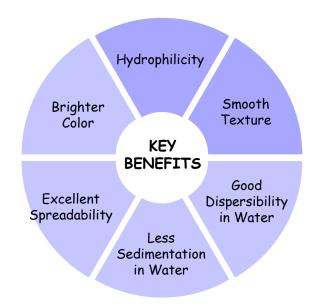
#### COMPOSITION

**INCI** Name

PEG-12 Dimethicone

Formulation Concept



# Use guideline

- Emulsions: Prepare color powder, disperse in the water phase, and emulsify
- Powders: Mix with other powders

# Chemical and physical properties

- Polyether modified silicone treatment
- · Hydrophilic, Water dispersible

# Standard grade

Category	Product
TiO2	PEG12 DM-2 TiO2 R200
Yellow Iron oxide	PEG12 DM-2 YELLOW No.602P
Red iron oxide	PEG12 DM-2 RED No.211P
Black iron oxide	PEG12 DM-2 BLACK No.710P

#### Chemical Structre of PEG12 DM Treatment

$$CH_{3} - SiO - \begin{cases} CH_{3} \\ | \\ SiO \\ | \\ CH_{3} \end{cases} = \begin{cases} CH_{3} \\ | \\ SiO \\ | \\ (CH_{2}CH_{2}O)_{n}H \end{cases} Y CH_{3}$$

$$CH_{3} - CH_{3}$$

$$CH_{3} - CH_{3}$$

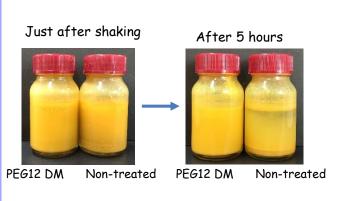
$$CH_{3} - CH_{3}$$

Where n has an average value of 12.

#### Silicone chain



#### Dispersibility in water (2% of pigment)



Yellow iron oxide

Red iron oxide

PEG12 DM







Black iron oxide



# **Applications**

#### Liquid Foundation

#### DL/113 Watery Mousse Foundation



DL/113 Water Mousse Foundation

# Safety and regulatory information

Material Safety Data Sheets are available for all DAITO KASEI products.

**REACH**: The ingredients, unless they are exempted, are registered or will be registered on May 2018.

# For additional information Please contact:

MOTHER COMPANY DAITO KASEI KOGYO Co., LTD 1-6-28 Akagawa, Asahiku, Osaka JAPAN

≅: 81 6 6922 1632∃: 81 6 6921 9562

DAITO KASEI EUROPE SAS 62 bd Henri Navier - Taverparc Bât 5.2 95150 Taverny FRANCE

≅: +33(0)1 30 40 01 01
 ∃: +33(0)1 30 40 01 11
 ⊠: dkeurope@dkeurope.fr

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