

BELSIL[®] eco DM 50



Silicone Fluids (INCI)

BELSIL[®] eco DM 50 is a linear, non-reactive, unmodified polydimethylsiloxane, based on renewable raw materials according to "TÜV NORD Standard REDcert²". In the BELSIL[®] eco DM 50 manufacturing process, the use of fossil-based raw materials is compensated 100% by biomethanol from renewable resources. BELSIL[®] eco DM 50 is characterized by low surface tension and a high spreading coefficient. Due to their flexible polymer backbone, dimethicones have high permeability to gases (e.g. water vapor, oxygen), which allows respiration of the skin.

INCI Dimethicone

Technical data

General Characteristics

Property	Condition	Value	Method
Aggregate state	-	liquid	-
Appearance	-	colorless,clear	-
Density	25 °C	0.96 g/cm ³	-
Flash point	-	> 250 °C	ISO 2592
INCI name	-	Dimethicone	-
Refractive index	25 °C	1.402	-
Surface tension	-	approx. 0.021 N/m	-
Viscosity, dynamic	25 °C	50 mPa·s	DIN 53019
Viscosity, kinematic	25 °C	approx. 50 mm ² /s	DIN 53019

These figures are only intended as a guide and should not be used in preparing specifications.

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Applications

- Skin Care
- Sun Care

Application details

BELSIL® eco DM 50 is widely used in a highly varied range of personal-care formulations. Formulations with BELSIL® eco DM 50 have better spreading properties and can be easily distributed on the skin. In these formulations, it imparts a hydrophobic, protective but breathable barrier to the skin, simultaneously minimizing stickiness. It reduces whitening and imparts a soft emolliency to the skin.

QR Code BELSIL® eco DM 50



For technical, quality or product safety questions, please contact:

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