

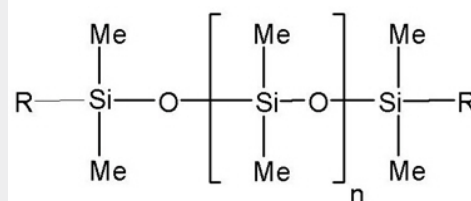
BELSIL[®] DM 500000



Silicone Fluids (INCI)

BELSIL[®] DM 500000 is a linear, non-reactive, unmodified polydimethylsiloxane. It is a dimethicone with a viscosity of 500 000 mm²/s. BELSIL[®] DM 500000 is characterized by low surface tension and high spreading coefficient. Due to its flexible polymer backbone, this dimethicone has high permeability to gases (e.g. water, vapour, oxygen), which allows respiration of the skin.

INCI Dimethicone



R = Me

Technical data

General Characteristics

Property	Condition	Value	Method
Appearance	-	colorless, clear	-
Density	25 °C	approx. 0.97 g/cm ³	DIN 51757
Flash point	-	> 320 °C	ISO 2592
INCI name	-	Dimethicone	-
Ignition temperature (liquids)	-	approx. 450 °C	DIN 51794
Refractive index	25 °C	1.4037	-
Surface tension	25 °C	approx. 0.022 N/m	-
Viscosity, dynamic	25 °C	500000 mPa·s	DIN 53019
Viscosity, kinematic	25 °C	approx. 500000 mm ² /s	DIN 53019

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

All the information provided is in accordance with the present state of our knowledge. Nonetheless, we disclaim any warranty or liability whatsoever and reserve the right, at any time, to effect technical alterations. The information provided, as well as the product's fitness for an intended application, should be checked by the buyer in preliminary trials. Contractual terms and conditions always take precedence. This disclaimer of warranty and liability also applies particularly in foreign countries with respect to third parties' rights.

Applications

- Skin Care
- Eye Make-up
- Make-up
- Hair Styling
- Shampoos
- Conditioners
- Make-up Foundation
- Sun Care
- Lip Make-up

Application details

High-viscous BELSIL® DM 500000 is widely used in a diverse range of personal-care formulations. Dimethicones provide a hydrophobic, protective, but breathable barrier for the skin, imparting softness and emolliency. They improve the water resistance of various products, such as sun screens. Simultaneously, they prevent stickiness in skin-care as well as in color-cosmetics formulations. In hair-care products, high-viscous dimethicones are among the most commonly used conditioning additives. They improve both wet and dry combability, impart humidity resistance and a soft feel to the hair, and enhance shine.

Packaging and storage

Storage

Maximum temperature allowed during storage and transportation: 50 °C

The 'Best use before end' date of each batch is shown on the product label. Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.

Safety notes

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from WACKER subsidiaries or may be printed via WACKER web site <http://www.wacker.com>.

QR Code BELSIL® DM 500000



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

Wacker Chemie AG, Hanns-Seidel-Platz 4, 81737 Munich, Germany
info@wacker.com, www.wacker.com

The data presented in this medium are in accordance with the present state of our knowledge but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this medium should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. The information provided by us does not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, clarifying the position. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the product for a particular purpose.