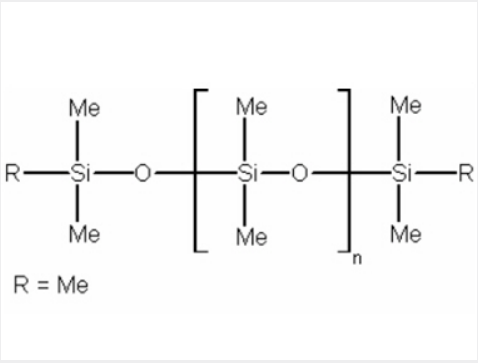
BELSIL® DM 1 PLUS

Silicone Fluids (INCI)

BELSIL® DM 1 PLUS is a colorless, clear fluid of low viscosity and high volatility. It is non-polar and insoluble in water but miscible with mineral oils, lower alcohols, esters, and other solvents frequently utilized in cosmetics. Due to its low heat of vaporization, BELSIL® DM 1 PLUS evaporates from the skin without producing a cooling or stinging effect.

INCI Dimethicone



Technical data

General Characteristics

Property	Condition	Value	Method
Appearance	-	colorless, clear	-
Boiling point	1013 hPa	159.2 °C	OECD 103
Density	20 °C	0.8306 g/cm^3	OECD 109
Flash point	-	29 °C	ISO 3679
INCI name	-	Dimethicone	-
Ignition temperature (liquids)	-	345 °C	EN 14522
Refractive index	25.0 °C	1.384	-
Surface tension	20 °C	0.017 N/m	-
Viscosity, kinematic	20 °C	1.23 mm^2/s	DIN 51562

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

- Hair Care
- Make-up
- Skin Care
- Sun Care

Application details

BELSIL® DM 1 PLUS can be utilized as a delivery system in antiperspirant and deodorant formulations as well as hair-care products and color-cosmetic compositions. It helps to uniformly spread actives and pigments over the surface of hair and skin. It provides sufficient play time in color-cosmetics applications, thereby improving rub-in properties, reducing stickiness, and imparting lubricity and a smooth skin feel. In hair-care products BELSIL® DM 1 PLUS supports easy spreading of high-viscosity fluids. In fixative styling products BELSIL® DM 1 PLUS functions as resin plastisizer. To adjust drying times for specific product requirements, BELSIL® DM 1 PLUS may be blended in all proportions with other dimethicones and cyclomethicones.

Packaging and storage

Storage

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 1 PLUS

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.