

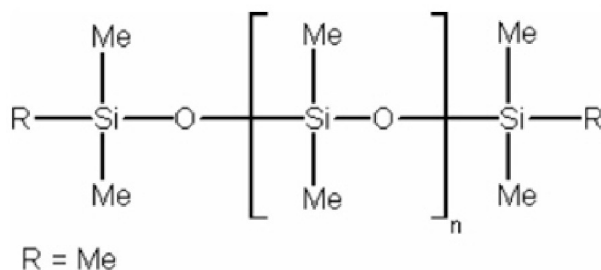
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## WACKER-BELSIL® DM 1 000

DIMETHICONE

### Product description

Structural formula:



Wacker-Belsil® DM 1 000 is a linear, non-reactive, unmodified polydimethylsiloxane. Wacker-Belsil® DM 1 000 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.

### Application

Wacker-Belsil® DM 1 000 is used in a broad range of

personal care formulations as an emollient. It allows formulators to adjust spreadability and conditioning effects. Whitening and stickiness of cosmetic products can be reduced and skin feel can be optimized.

### 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>.

### Product data

#### Typical general characteristics

Inspection Method	Value	Inspection Method	Value
Appearance			colorless, clear
Viscosity, kinematic at 25 °C		DIN 53018	approx. 1000 mm <sup>2</sup> /s
Density at 25 °C		DIN 51757	approx. 0,97 g/cm <sup>3</sup>
Refractive index at 25 °C			1,4035
Flash point		ASTM D92 ISO	314 °C
Surface tension at 25 °C			0,021 N/m
Ignition temperature (liquids)		DIN 51794	approx. 450 °C
Aggregate state			liquid
INCI name			Dimethicone

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

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**Additional information**

Solubility

Ingredient	Wacker-Belsil® DM 1000	Ingredient	Wacker-Belsil® DM 1000
<b>Silicones</b>		<b>Triglycerides</b>	
Wacker-Belsil® CM 040	✓	Castor oil	Δ
Wacker-Belsil® DM 1 Plus	✓	Olive oil	Δ
Wacker-Belsil® DM 10	✓	Wheatgem oil	Δ
Wacker-Belsil® DM 350	✓	Landolin oil	Δ
Wacker-Belsil® DM 12 500	✓		
Wacker-Belsil® DM 60 000	✓	<b>Alcohols</b>	
		Octyldodecanol	Δ
<b>Mineral oils</b>		Propylene glycol	Δ
C9-13 isoparaffins	✓	Isopropanol	Δ
Mineral oil, high-visc.	Δ	Alcohol	Δ
Mineral oil, low-visc.	Δ	Glycerin	Δ
<b>Ester / ester oils</b>		<b>Water</b>	Δ
Ethyl acetate	✓		
C12-15 alkyl benzoates	Δ		
Isopropyl myristate	✓		
Oleyl oleate	Δ		

✓ = Soluble (> 10 %)      P = Partially soluble (1 – 10 %)      Δ = Insoluble