# BELSIL® eco DM 60 000

BELSIL®

## Silicone Fluids (INCI)

BELSIL® eco DM 60 000 is a linear, non-reactive, unmodified polydimethylsiloxane, based on renewable raw materials according to "TÜV NORD Standard REDcert²".It is a Dimethicone with a viscosity of 60000 mm²/s. BELSIL® eco DM 60 000 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.

**INCI Dimethicone**



R = Me
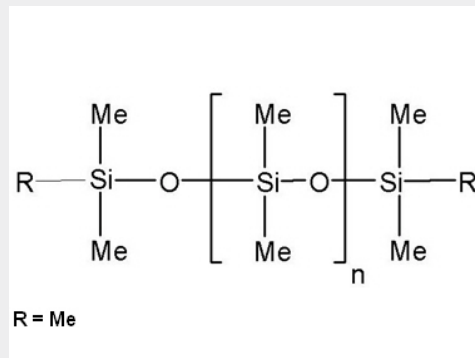
# Technical data

## General Characteristics

| Property | Condition | Value | Method |
|---|---|---|---|
| Appearance | - | colorless, clear | - |
| Density | 25 °C | 0.975 - 0.980 g/cm$^3$ | DIN 51757 |
| Flash point | - | > 320 °C | ISO 2592 |
| INCI name | - | Dimethicone | - |
| Ignition temperature | - | 450 °C | DIN 51794 |
| Refractive index | 25 °C | 1.4037 | - |
| Surface tension | 25 °C | approx. 0.022 N/m | - |
| Viscosity, dynamic | 20 °C | 60000 mPa·s | DIN 53019 |
| Viscosity, kinematic | 25 °C | approx. 60000 mm$^2$/s | DIN 53019 |

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

# Applications

- Conditioners
- Hair Care
- Hair Styling
- Make-up
- Shampoos

# Application details

High-viscous BELSIL® eco DM 60 000 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

Further information for storage: Store in a dry and cool place. 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® eco DM 60 000



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

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