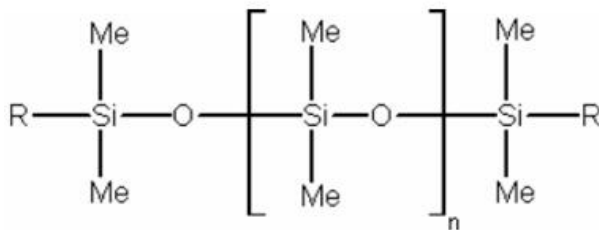


BELSIL® eco DM 350

DIMETHICONE

Product description

Structural formula:



R = Me

BELSIL® eco DM 350 is a linear, non-reactive, unmodified polydimethylsiloxane, based on renewable raw materials according to "TÜV SÜD Standard CMS 71". In the BELSIL® eco DM 350 manufacturing process, the use of fossil-based raw materials is compensated 100% by biomethanol from renewable resources. BELSIL® eco DM 350 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

BELSIL® eco DM 350 is widely used in a highly varied range of personal-care formulations. Formulations with BELSIL® eco DM 350 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.

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>.

Product data

Typical general characteristics	Inspection Method	Value
Appearance		colorless, clear
Viscosity, kinematic at 25 °C	DIN 53019	approx. 350 mm ² /s
Density at 25 °C	DIN 51757	approx. 0,97 g/cm ³
Refractive index at 25 °C		1,4035
Flash point	ISO 2719	260 °C
Surface tension at 25 °C		0,021 N/m
Ignition temperature (liquids)	EN 14522	410 °C
Aggregate state		liquid
INCI name		Dimethicone

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

Ingredient	BELSIL® eco DM 350	Ingredient	BELSIL® eco DM 350
Cyclopentasiloxane	✓	Triglycerides	
		Castor oil	-
Dimethicone		Olive oil	-
BELSIL® DM 1 Plus	✓	Wheatgerm oil	-
BELSIL® DM 10	✓	Lanolin oil	-
BELSIL® DM 12500	✓		
BELSIL® DM 60000	✓	Alcohols	
		Octyldodecanol	✓
Mineral oils		Propylene glycol	-
C9-13 isoparaffins	✓	Isopropanol	✓
Mineral oil (high-visc.)	✓	Ethanol	✓
Mineral oil (low-visc.)	✓	Glycerin	-
Water	-	Esters/ Ester oils	
		Ethyl acetate	✓
		C12-15 alkyl benzoates	✓
		Isopropyl myristate	✓
		Oleyl oleate	✓

✓ = soluble (> 10%)

p = partially soluble (1 - 10%)

- = insoluble

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.

The management system has been certified according to DIN EN ISO 9001 and DIN EN ISO 14001

WACKER® is a trademark of Wacker Chemie AG. BELSIL® is a trademark of Wacker Chemie AG.

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

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