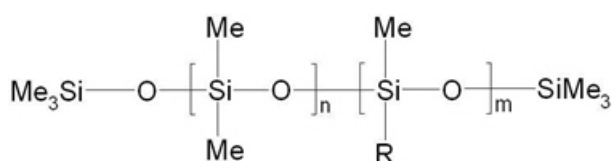


BELSIL® SDM 5055 VP

STEARYL DIMETHICONE

Product description

Structural formula:



R = Alkyl chain

BELSIL® SDM 5055 VP is a silicone wax. In accordance with CTFA, it is classified as Stearyl Dimethicone. This product displays good compatibility with many cosmetic raw materials including oils, waxes, fatty alcohols, and fatty acids.

Application

The main fields of application of this alkyl-functional silicone is skin protection, skin care and color

cosmetics. In creams and lotions it improves the efficacy of the formulation and confers a non-sticky, soft skin feel. Due to its high substantivity, enhanced water resistance, and moisturizing benefits, alkyl-functional silicones prove to be advantageous components in colour-cosmetics, such as lipstick, mascara, and make-up formulations.

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		white, opaque, solid
Melting point / Melting range		approx. 30 °C
Viscosity, dynamic at 50 °C		approx. 400 mPa.s
Density at 50 °C		approx. 0,86 g/cm ³
Flash point	ISO 2592	160 °C
INCI name		Stearyl Dimethicone

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

Additional information

Solubility

Ingredient	BELSIL® SDM 5055 VP	Ingredient	BELSIL® SDM 5055 VP
Mineral oils		Emulsifiers / ethoxylated oils	
Mineral oil (high-visc.)	✓	PEG-75 Lanolin oil	-
Mineral oil (low-visc.)	✓	PEG-7 Glyceryl Cocoate	-
Microcrystalline wax	✓	PPG-5-Laureth-5	✓
Ozokerite wax	✓		
		Alcohols & water	
Ester oils / waxes		Octyl dodecanol	✓
C12-15 alkyl benzoate	✓	Oleyl alcohol	✓
Isopropyl myristate	✓	Propylene glycol	-
Isopropyl palmitate	✓	Isopropanol	-
Decyl oleate	✓	Ethanol	-
Oleyl oleate	✓	Glycerin	-
Beeswax	✓	Water	-
Triglycerides		Silicone fluids	
Castor oil	-	Cyclopentasiloxane	-
Olive Oil	✓	Disiloxane (BELSIL® DM 0.65)	-
Wheatgerm Oil	-	Dimethicone (BELSIL® DM 1 Plus)	-
Lanolin Oil	✓	Dimethicone (BELSIL® DM 100)	-
		UV-Filters	
		Ethylhexyl Methoxycinnamate	-
		Ethylhexyl Salicylate	✓

✓ = soluble (> 10%)

p = partially soluble (1 - 10%)

- = insoluble

The data presented in this leaflet 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 leaflet 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 recommendations do 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 products 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:

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

www.wacker.com