

Wacker-Belsil® SDM 5055 VP

Stearyl Dimethicone

Characteristics

Wacker-Belsil® SDM 5055 VP is a alkyl-modified polymethylsiloxane. 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.

Applications

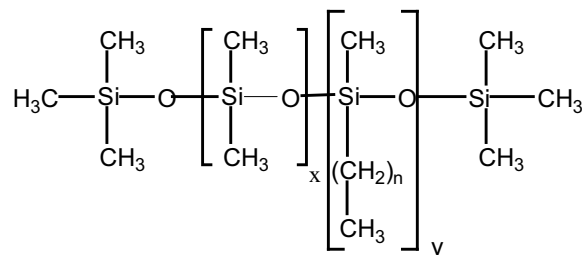
The main fields of application of this alkyl-functional silicone is skin protection, skin care and color cosmetics. In creams and lotions, it improves the efficacy of the formulation and confers a non-sticky, soft skin feel. Due to its high substantivity, enhanced water resistance, and moisturizing benefits, alkyl-functional silicone proves to be advantageous components in color cosmetics, such as lipstick, mascara, and makeup formulations.

Storage

Wacker-Belsil SDM 5055 VP has a shelf life of at least 12 months when stored at room temperature in the tightly closed original container. The 'Best use before end' date of each batch appears 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.

Chemical Structure



Safety Information

Detailed safety information is contained in each material safety data sheet, which can be obtained from our sales offices.

Product data

Properties	Characteristics
Appearance	White, opaque solid
Viscosity at 50°C, approx., [mm ² /s]	400
Melting point, approx., [°C]	30
Flash point, DIN 51758, [°C]	198
Ignition point, DIN 51794, [°C]	245
INCI name	Stearyoxy Dimethicone

Additional Information

Compatibility

Ingredient	Wacker-Belsil SDM 5055 VP	Ingredient	Wacker-Belsil SDM 5055 VP
Mineral Oil/Waxes		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 Oil/Waxes		Octyldodecanol	✓
C12-15 Alkyl Benzoate	✓	Oleyl Alcohol	✓
Isopropyl Myristate	✓	Propylene Glycol	•
Isopropyl Palmitate	✓	Isopropanol	•
Decyl Oleate	✓	Alcohol	•
Oleyl Oleate	✓	Glycerin	•
Beeswax	✓	Water	•
		Silicone Fluids	
UV-Filters		Wacker-Belsil® CM 040	✓
Ethylhexyl Methoxycinnamate	•	Wacker-Belsil® DM 0.65	✓
Ethylhexyl Salicylate	✓	Wacker-Belsil® DM 1 plus	✓
		Wacker-Belsil® DM 100	•
Triglycerides		Wacker-Belsil® LDM 3107 VP	✓
Castor Oil	•	Wacker-Belsil® SM 6018	✓
Olive Oil	✓		
Wheatgerm Oil	•		
Lanolin Oil	✓		

✓ = Soluble (> 10%)

P = Partially soluble (1 – 10%)

Δ = insoluble

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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 ANSI/ISO/ASQ Q9001 and ANSI/ISO 14001.

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