

Wacker-Belsil® PMS MK Powder

Polymethylsilsesquioxane

Characteristics

Wacker-Belsil® PMS MK Powder is a solid, solvent-free silicone resin with the following basic structure:

Application

This highly cross-linked silicone resin is primarily used for its film-forming attributes.

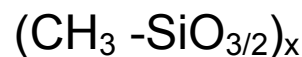
Wacker-Belsil® PMS MK Powder provides improved water-resistance and is a processing aid in pigment grinding and pressed-powder applications. It prevents agglomeration and maintains free-flowing characteristics in loose-powder products as well, which is beneficial in powder-filling devices.

Storage

Wacker-Belsil® PMS MK Powder has a shelf life of at least 18 months when stored below 30°C 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	Unit	Wacker-Belsil® PMS MK Powder
Appearance		white powder
Softening range	[°C]	50 – 60
Odour		odorless
INCI name		Polymethylsilsesquioxane

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

Additional information
Solubility

Ingredient	Wacker-Belsil® PMS MK Powder	Ingredient	Wacker-Belsil® PMS MK Powder
Mineral Oils/Waxes		Emulsifiers/ethoxylated Oils	
C9-13 Isoparaffin	✓	PEG-75 Lanolin Oil	Δ
Mineral Oil, high-visc.	Δ	PEG-7 Glyceryl Cocoate	Δ
Mineral Oil, low-visc.	Δ	PPG-5-Laureth-5	Δ
Ester Oils		Alcohols & Water	
Ethyl Acetate	✓	Octyl Dodecanol	Δ
C12-15 Alkyl Benzoate	Δ	Oleyl Alcohol	Δ
Isopropyl Myristate	✓	Propylene Glycol	Δ
Isopropyl Palmitate	✓	Isopropanol	✓
Decyl Oleate	Δ	Alcohol	✓
Oleyl Oleate	Δ	Glycerol	Δ
Dicaprylyl Ether	✓	Water	Δ
UV-Filters		Silicone fluids	
Ethylhexyl Methoxycinnamate	Δ	Disiloxane (Wacker-Belsil® DM 0.65)	✓
Ethylhexyl Salicylate	Δ	Dimethicone (Wacker-Belsil® DM 1 plus)	✓
		Trimethylsiloxyphenyl Dimethicone (Wacker-Belsil® PDM 20)	Δ
Triglycerides			
Castor Oil	Δ		
Olive Oil	Δ		
Wheatgerm Oil	Δ		
Lanolin Oil	Δ		
✓ = soluble (> 10%)		P = partially soluble (1 – 10%)	
		Δ = 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



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

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