

Wacker-Belsil® RPG 33

Cyclopentasiloxane and Vinyl dimethyl/trimethylsiloxysilicate Stearyl Dimethicone Crosspolymer

Characteristics

Wacker-Belsil® RPG 33 is a vinyl dimethyl/trimethylsiloxysilicate stearyl dimethicone cross-polymer in cyclopentasiloxane. The resin is a filmforming agent and enhances water and transfer resistance.

Application

These properties predestine Wacker-Belsil® RPG 33 as a raw material for color cosmetics, skin care and sun care products.

Processing

Wacker-Belsil® RPG 33 is a soft white silicone powder designed for use in cosmetic formulations. This product is best when milled into the formulation. There it imparts a silky smooth feel, renders sunscreens resistant to water wash-off, adds transfer resistance to lipsticks and provides a slight thickening effect.

Storage

Wacker-Belsil® RPG 33 has a shelf life of at least 6 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.

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® RPG 33
Appearance		white powder
Solid content	approx. [%]	30 – 35
Mean particle size	[µ]	200 – 300
Density	[g/L]	540
Evaporation (30 min / 45°C)	[%]	18
INCI name		Cyclopentasiloxane and Vinyl dimethyl/Trimethylsiloxysilicate Stearyl Dimethicone Crosspolymer

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

Additional information
Compatibility

Ingredient	Wacker-Belsil® RPG 33	Ingredient	Wacker-Belsil® RPG 33
Mineral Oils/Waxes		Emulsifiers & ethoxylated oils	
Isoeicosan	✓	PEG-7 Glyceryl Cocoate	Δ
Mineral Oil	Δ	Steareth-2	P
Mineral Spirits	P		
Ester Oils		Alcohols & Water	
C12-15 Alkyl Benzonate	Δ	Ethanol	Δ
Isopropyl Myristate	✓	Butylene Glycol	P
Decyl Oleate	Δ	Propylene Glycol	P
Oleyl Oleate	Δ	Glycerol	Δ
Isodecyl Neopentanoate	✓	Water	Δ
Isostearyl Neopentanoate	✓	AlZrCl4 Gly & Propylene Glycol	P
Dicaprylyl Ether	✓		
Ethylhexyl Stearate	✓	Silicone fluids	
		Cyclopentasiloxane (Wacker-Belsil® CM 040)	Δ
		Disiloxane (Wacker-Belsil® DM 0.65)	Δ
		Dimethicone (Wacker-Belsil® DM 1 plus)	✓
		Dimethicone (Wacker-Belsil® DM 10)	Δ
		Trimethylsiloxyphenyl Dimethicone (Wacker-Belsil® PDM 20)	✓
		Lauryl Dimethicone (Wacker-Belsil® LDM 3107 VP)	Δ
Triglycerides			
Castor Oil	Δ		
Lanolin Oil	Δ		
Caprylic/Capric Triglycerides	Δ		
UV-filters			
Ethylhexyl Methoxycinnamate	Δ		
Ethylhexyl Salicylate	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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