

Wacker-Belsil® DMC 3071 VP

Cetyl PEG/PPG-15/15 Butyl Ether Dimethicone

Characteristics

Wacker-Belsil® DMC 3071 VP is a liquid polysiloxane polyalkyl polyether block copolymer. It may be used even in low concentrations as a silicone emulsifier in the preparation of water-in-oil emulsions. The special chemical structure of Wacker-Belsil DMC 3071 VP allows ingredients that would normally have a destabilizing effect on the emulsion to be readily incorporated.

Applications

Both viscous and creamy water-in-oil emulsions can be produced by cold/cold processing with Wacker-Belsil DMC 3071 VP, the consistency depending on the viscosity of the oil phase and the water content of the formulation. Good emulsification of paraffin oils and silicone fluids, as well as fatty acid esters and vegetable triglycerides (some of which are difficult to emulsify) is possible.

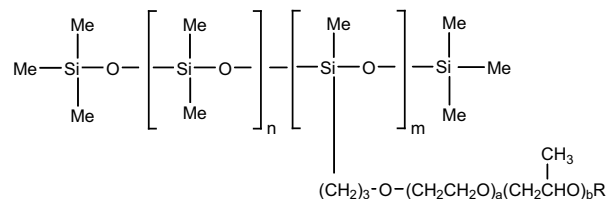
Wacker-Belsil DMC 3071 VP is used in the preparation of skin care products because of its ability to promote the formation of multiple emulsions. It can also increase product efficacy in sunscreen formulations, without the need for additional filters/blockers.

Storage

Wacker-Belsil DMC 3071 VP 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.

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	Clear, yellowish liquid
Viscosity, approx., [mm ² /s]	1000
Refractive index at 25°C, approx.	1.440
Melting point, approx., [°C]	15
Flash point, DIN 51758, [°C]	158
INCI name	Cetyl PEG/PPG-15/15 Butyl Ether Dimethicone

Additional Information

Compatibility

Ingredient	Wacker-Belsil DMC 3071 VP	Ingredient	Wacker-Belsil DMC 3071 VP
Mineral Oil/Waxes		Emulsifiers/Ethoxylated Oils	
C9-13 Isoparaffin	•	PEG-75 Lanolin Oil	•
Mineral Oil, high visc.	•	PEG-7 Glyceryl Cocoate	•
Mineral Oil, low visc.	•	PPG-5-Laureth-5	✓
Ozokerite	•		
		Alcohols & Water	
Ester Oils/Waxes		Octyl Dodecanol	✓
Ethyl Acetate	✓	Oleyl Alcohol	✓
C12-15 Alkyl Benzoate	✓	Propylene Glycol	•
Isopropyl Myristate	✓	Isopropanol	✓
Decyl Oleate	✓	Alcohol	P
Oleyl Oleate	✓	Glycerol	•
		Water	•
UV-Filters		Silicone Fluids	
Ethylhexyl Methoxycinnamate	✓	Wacker-Belsil® CM 040	•
Ethylhexyl Salicylate	✓	Wacker-Belsil® DM 0.65	•
		Wacker-Belsil® DM 1 plus	•
Triglyceride		Wacker-Belsil® DM 100	•
Castor Oil	•		
Olive Oil	✓		
Wheatgerm Oil	P		
Lanolin Oil	•		
Caprylic/Capric Triglycerides	✓		

✓ = 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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