

# Wacker-Belsil® DMC 6031

PEG/PPG-25/25 Dimethicone

## Characteristics

Wacker-Belsil® DMC 6031 is a copolymer of polydimethylsiloxane and organic glycol.

## Application

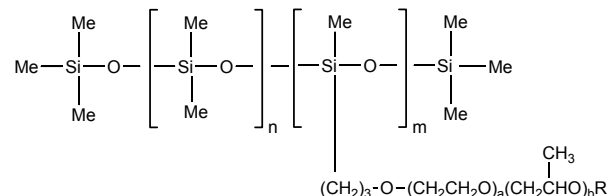
In hair-fixative compositions, it acts as resin plasticizer, reducing brittleness and flaking of organic resins. In shampoos and shower gels, this silicone surfactant helps to stabilize the foam, confers mild conditioning benefits on hair and skin and promote formation of clear products. In creams and lotions, it acts as co-emulsifiers providing oil-in-water emulsification benefits, improving skin feel and product stability.

## Storage

Wacker-Belsil® DMC 6031 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		Unit	Wacker-Belsil® DMC 6031
Appearance			yellowish, liquid
Viscosity at 25 °C	approx.	[mm <sup>2</sup> /s]	800
Density at 25 °C	approx.	[mm <sup>3</sup> ]	1.04
Refractive index at 25 °C	approx.		1.452
Cloud point	approx.	[°C]	41-43**
Flash point		[°C]	> 100
INCI name			PEG/PPG-25/25 Dimethicone

\*\* 1% solution in water

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

**Additional information**

**Compatibility**

Ingredient	Wacker-Belsil® DMC 6031	Ingredient	Wacker-Belsil® DMC 6031
<b>Mineral Oils/Waxes</b>		<b>Emulsifiers/ethoxylated Oils</b>	
C9-13 Isoparaffin	Δ	PEG-75 Lanolin Oil	Δ
Mineral Oil, high-visc.	Δ	PEG-7 Glyceryl Cocoate	✓
Mineral Oil, low-visc.	Δ	PPG-5-Laureth-5	✓
<b>Ester Oils/Waxes</b>		<b>Alcohols &amp; Water</b>	
Ethyl Acetate	P	Octyl Dodecanol	✓
C12-15 Alkyl Benzoate	P	Oleyl Alcohol	✓
Isopropyl Myristate	✓	Propylene Glycol	Δ
Decyl Oleate	✓	Isopropanol	✓
Oleyl Oleate	Δ	Alcohol	✓
		Glycerol	Δ
<b>UV-Filters</b>		Water	
Ethylhexyl Methoxycinnamate	✓		✓
Ethylhexyl Salicylate	✓	<b>Silicone fluids</b>	
Benzophenone-3	✓	Cyclopentasiloxane (Wacker-Belsil® CM 040)	Δ
4-Methylbenzylidene Camphor	✓	Disiloxane (Wacker-Belsil® DM 0.65)	Δ
		Dimethicone (Wacker-Belsil® DM 100)	Δ
<b>Triglyceride</b>		Trimethylsiloxyphenyl Dimethicone (Wacker-Belsil® PDM 20, 200, 1000)	
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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