

Wacker-Belsil® DM 0.65

Disiloxane

Characteristics

Wacker-Belsil® DM 0.65 is a clear, colourless fluid of low viscosity and high volatility. It is non-polar and insoluble in water but miscible with mineral oils, lower alcohols, esters, and other solvents frequently used in personal-care formulations.

Due to their low heat of evaporation, Wacker-Belsil® DM 0.65 evaporates from the skin without producing a cooling or stinging effect. The low boiling point and high vapour pressure results in rapid, total evaporation.

Applications

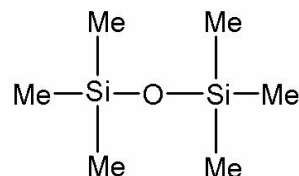
Wacker-Belsil® DM 0.65 can be used as a delivery system in antiperspirant and deodorant formulations as well as cuticle-coat products and colour-cosmetic compositions. Wacker-Belsil® DM 0.65 acts as solvent or carrier, helping to uniformly spread actives and pigments over the surface of hair and skin.

Wacker-Belsil® DM 0.65 provides fast drying times combined with sufficient play-time in colour-cosmetics applications, thereby improving rub-in properties, reducing stickiness, imparting lubricity and a smooth skin feel.

In hair-care products, the solvent/carrier Wacker-Belsil® DM 0.65 supports easy spreading of high viscosity fluids or gums, enhances wet combability, and function as resin plasticizers in fixative products.

To alter drying times for specific product requirements, Wacker-Belsil® DM 0.65 may be blended in all proportions with cyclomethicone and dimethicone fluids.

Chemical Structure



Storage

Wacker-Belsil® DM 0.65 has a shelf life of at least 12 months when stored between 5°C and 25°C in the originally sealed 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

Property	Unit	Wacker-Belsil® DM 0.65	Property	Unit	Wacker-Belsil® DM 0.65
Appearance		clear , colourless	Physical state		liquid
Viscosity , approx.	[mm ² /s]	0,65	Surface tension at 25°C, approx.	[mN/m]	15,9
Density at 25°C, approx.	[g/cm ³]	0,76	Flash point DIN 513169	[°C]	- 6
Refractive index at 25°C, approx.		1,375	INCI name		Disiloxane

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

Additional information

Solubility

Ingredient	Wacker-Belsil® DM 0.65	Ingredient	Wacker-Belsil® DM 0.65
Silicones		Triglyceride	
Wacker-Belsil® CM 040	✓	Castor Oil	✓
Wacker-Belsil® DM 1 plus	✓	Olive Oil	✓
Wacker-Belsil® DM 10	✓	Wheatgerm Oil	✓
Wacker-Belsil® DM 350	✓	Lanolin Oil	✓
Wacker-Belsil® DM 12500	✓		
Wacker-Belsil® DM 60000	✓	Alcohols	
Wacker-Belsil® PDM 20	✓	Octyldodecanol	✓
Wacker-Belsil® PDM 1000	✓	Propylene Glycol	•
		Isopropanol	✓
		Alcohol	✓
		Glycerin	•
Mineral Oil			
C9-13 Isoparaffin	✓		
Mineral Oil, high-visc.	✓	Water	
Mineral Oil, low-visc.	✓		•
Ester Oil			
Ethyl Acetate	✓		
C12-15 Alkyl Benzoate	✓		
Isopropyl Myristate	✓		
Oleyl Oleate	✓		

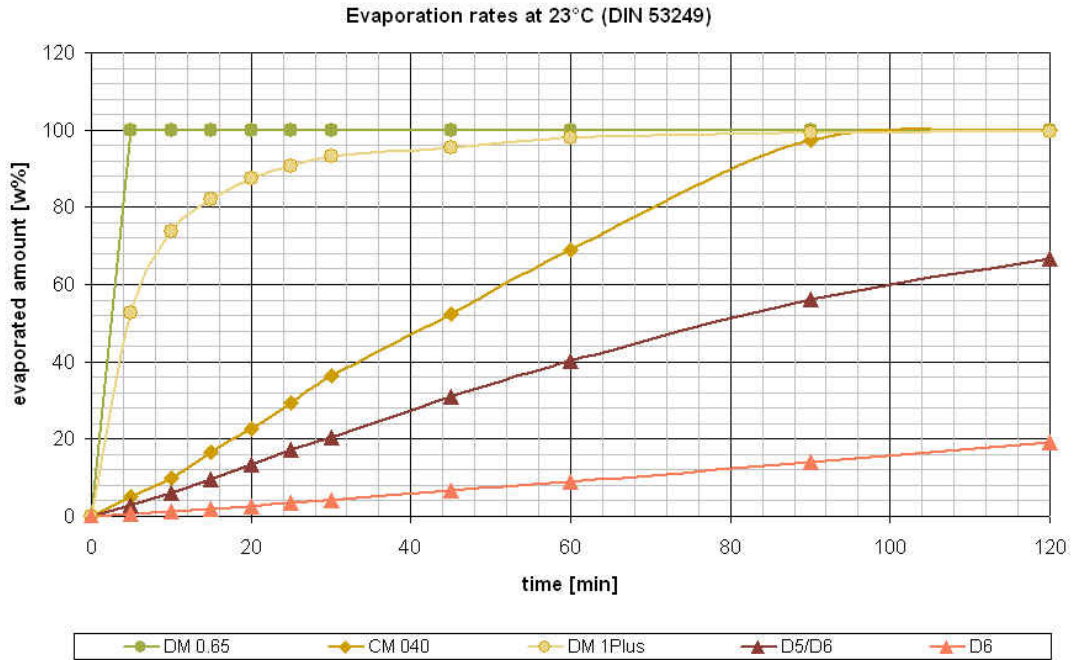
✓ = soluble (> 10%)

P = partially soluble (1 – 10%)

• = insoluble

Additional information

Evaporation



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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