BELSIL® DM 5700 E

Silicone Fluid Emulsions

BELSIL® DM 5700 E is a small droplet size emulsion of a high-viscosity dimethicone fluid with a sugar-based emulsifier system from renewable materials.

INCI Dimethicone, Caprylyl/Capryl Glucoside, Sorbitan Laurate

Properties

BELSIL® DM 5700 E is an effective conditioning agent for hair care products. Combined with suitable surfactant systems, it supports the formation of a dense, haptically attractive, highly creamy foam. The active ingredient provides a soft, silky touch on natural and damaged hair and strongly reduces dry and wet combing forces and friction.
BELSIL® DM 5700 E can also be used in skin care formulations. There it serves as an alternative to low-viscosity DM fluids and is already effective at significantly reduced application quantities compared to the common dimethicone standards with viscosities in the range of 100 - 350 mm^2/s.

Technical data

General Characteristics

Property	Condition	Value	Method
Emulsifier type	-	nonionic	-
Active ingredients content	-	approx. 50 %	-
Appearance and color	-	milky-white emulsion	-
INCI name	-	Dimethicone, Caprylyl/Capryl Glucoside, Sorbitan Laurate	-
Particle size	-	< 500 nm	-

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

All the information provided is in accordance with the present state of our knowledge. Nonetheless, we disclaim any warranty or liability whatsoever and reserve the right, at any time, to effect technical alterations. The information provided, as well as the product's fitness for an intended application, should be checked by the buyer in preliminary trials. Contractual terms and conditions always take precedence. This disclaimer of warranty and liability also applies particularly in foreign countries with respect to third parties' rights.

Protect against frost.

Applications

- Conditioners
- Shampoos
- Skin Care

Application details

BELSIL® DM 5700 E is recommended for formulating mild shampoos. Other fields of application are rinse-off conditioners, leave-in treatments and hair masks or aqueous-based styling products.
BELSIL® DM 5700 E can also be used in skin care formulations like lotions. If BELSIL® DM 5700 E replaces standard Dimethicone fluids with viscosities 100 - 350 mm^2/s, we recommend reducing the active silicone level in the formula up to 50% of the original dosage.
Processing:

- Recommended use levels of BELSIL® DM 5700 E in Hair Care are 1 % to 5 %.
- The maximum dosage level of BELSIL® DM 5700 E in Skin Care is 0.9 %
- The emulsion needs to be stirred well before use.

Packaging and storage

Storage

Minimum temperature allowed during storage and transportation: 0 °C

Maximum temperature allowed during storage and transportation: 40 °C

The 'Best use before end' date of each batch is shown 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 notes

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from WACKER subsidiaries or may be printed via WACKER web site http://www.wacker.com. 1 space line

QR Code BELSIL® DM 5700 E

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

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