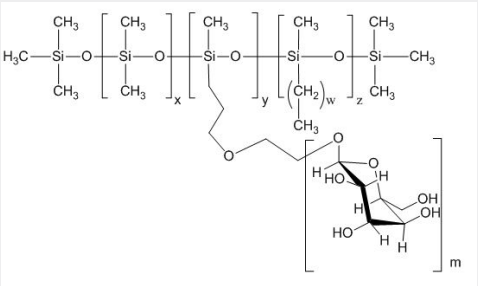
BELSIL® WO 5000

Silicone Fluids, functional (INCI)

BELSIL® WO 5000 is supplied as an approximately 30 % active solution in Dimethicone. The silicone polyglucoside contained in this solution is a nonionic surfactant with an HLB of approximately 6 - 7.

INCI Dimethicone, Caprylyl Dimethicone Ethoxy Glucoside



Properties

This silicone polymer is synthesized using a renewable, natural, sugar-based component and is therefore in part rapidly biodegradable. Silicone polyglucosides are surface-active silicone surfactants known for their mildness and gentleness. These materials are typically not employed as primary surfactants as they do not produce a significant amount of foam on their own.

Technical data

General Characteristics

Property	Condition	Value	Method
Refractive index	25 °C	approx. 1.405	-
Active content	-	approx. 30 %	-
Appearance	-	clear to translucent, brownish liquid	-
Density	20 °C | 1013 hPa	0.949 g/cm^3	DIN 51757
HLB value	-	6 - 7	-
INCI name	-	Dimethicone, Caprylyl Dimethicone Ethoxy Glucoside	-
Odor	-	characteristic	-
Viscosity, kinematic	25 °C	approx. 100 mm^2/s	DIN 51562

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.

Applications

- Skin Care
- Make-up Foundation
- Sun Care
- Lip Make-up

Application details

BELSIL® WO 5000 was designed specifically as a water-in-oil or water-in-silicone emulsifier for compositions comprising volatile silicones or non-polar organic fluids as the continuous phase. Water-in-silicone formulations are noted for imparting a soft and velvety feel to the skin and for their excellent spreading properties. BELSIL® WO 5000 is an excellent emulsifier for water-in-oil and water-in-silicone systems in Skin Care, Sun Care and Decorative Cosmetics.

Packaging and storage

Storage

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.

QR Code BELSIL® WO 5000

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

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The data presented in this medium 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 medium 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 information provided by us does 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 product for a particular purpose.