

BELSIL® TMS 803



Silicone Resins (INCI)

BELSIL® TMS 803 is the co-hydrolysis product of tetraalkoxysilane (Q unit) and trimethylethoxysilane (M unit). The chemical structure of BELSIL® TMS 803 can be seen as a three-dimensional network of polysilic acid units, which are endblocked with trimethylsilyl groups. Some residual ethoxy and hydroxy functions are present.

BELSIL® TMS 803 is a white powder manufactured in such a way that it is substantially free of aromatic solvents such as toluene. In keeping with its low content of fine dust particles and its uniform particles, BELSIL® TMS 803 exhibits excellent rheological properties (flowability).

BELSIL® TMS 803 can be compounded with polydimethylsiloxanes.

INCI Trimethylsiloxysilicate

Technical data

General Characteristics

Property	Condition	Value	Method
Bulk density	-	250 kg/m ³	DIN EN ISO 60
INCI name	-	Trimethylsiloxysilicate	-
Particle size ⁽¹⁾	-	approx. 10 µm	-

¹D50

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

- Eye Make-up
- Lip Make-up
- Make-up

- Make-up Foundation
- Nail Polish
- Skin Care
- Sun Care

Application details

This highly cross-linked silicone resin is primarily used for its film-forming attributes.

In sunscreen, skincare and color cosmetic applications, the Trimethylsiloxysilicate BELSIL® TMS 803 is an excellent water-resistant additive and helps to hold pigments in place. It prevents agglomeration and maintains free-flowing characteristics in loose powder products.

In haircare compositions, the silicone resin provides volume and body, while imparting humidity resistance to the hair.

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® TMS 803



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

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