

BELSIL[®] eco EG 3001



Elastomer Gels (INCI)

BELSIL[®] eco EG 3001 elastomer gel is a silicone copolymer network blended with a mixture of Undecane and Tridecane. The product appears as a colorless, translucent gel. The combination of Undecane and Tridecane is known as a fast spreading, volatile emollient which is 100 percent renewable-based and readily biodegradable. In addition the silicone copolymer network included in BELSIL[®] eco EG 3001 is also based on renewable raw materials according to "TÜV NORD Standard REDcert²".

The sensorial sensation of BELSIL[®] eco EG 3001 during the application and after use is quite close to silicone based elastomer gels. The gel is perceived very pleasant, light and powdery.

INCI Undecane, Tridecane, Dimethicone/Vinyl Dimethicone Crosspolymer



Properties

BELSIL[®] eco EG 3001 is easy to distribute on skin and gives a smooth, light and powdery feel. BELSIL[®] eco EG 3001 provides rheological benefits, imparts a thixotropic effect and has the ability to act as a thickening agent. It also shows a good compatibility with a variety of solvents and is easy to formulate.

Technical data

General Characteristics

Property	Condition	Value	Method
Appearance	-	colorless, translucent gel	-
Density	20 °C	0.77 g/cm ³	ISO 1183-1 A
Elastomer Content	-	23 %	-
Flash point	-	76 °C	ISO 3679
Viscosity, dynamic	25 °C	175000 - 225000 mPa·s	DIN 53019

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

- After-Sun
- Anti-Aging Products
- Deodorants
- Eye Make-up
- Face & Body Care
- Hair Care
- Lip Make-up
- Make-up
- Make-up Foundation
- Personal Care
- Skin Care
- Sun Care

Application details

BELSIL[®] eco EG 3001 is added typically to the oil or silicone phase of a formulation especially when formulating oil in water (O/W) formulations. In water in oil (W/O) formulations BELSIL[®] eco EG 3001 can also be added to an already formed emulsion system. The product should be dispersed well to yield optimum results, but short times of stirring are sufficient. When BELSIL[®] eco EG 3001 is diluted with solvents, the viscosity of the product decreases significantly and hence can be easily adjusted. The performance properties of BELSIL[®] eco EG 3001 make it a versatile ingredient for various Skin Care, Color Cosmetic and Hair Care products. BELSIL[®] eco EG 3001 also imparts a cushiony feel to moisturizing creams, sunscreens lotions, eye gels, foundations, concealers and BB creams. BELSIL[®] eco EG 3001 can be used to thicken the oil phase of emulsions or anhydrous cosmetic formulations. In pressed powder cosmetics it acts as binder. It is known from literature that solvents such as undecane and tridecane are not recommended for packaging made out of HDPE or LDPE.

However, this does not mean that the use of BELSIL® eco EG 3001 as an ingredient in a cosmetic formulation excludes the use of these packaging materials.

It is recommended to thoroughly test the compatibility of the respective cosmetic formulation with the selected packaging.

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® eco EG 3001



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

Wacker Chemie AG, Gisela-Stein-Strasse 1, 81671 Munich, Germany
productinformation@wacker.com, www.wacker.com

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.