

BELSIL[®] P 1101



Silicone Fluids, functional (INCI)

The hair styling and conditioning polymer BELSIL[®] P 1101 is a silicone-organic hybrid material. It is provided as a 50 % solution in denatured ethanol.

INCI Alcohol , Crotonic Acid/Vinyl C8-12 Isoalkyl Esters/VA/Bis-Vinyldimethicone Crosspolymer

Properties

BELSIL[®] P 1101 combines the strong hold properties of a hair styling resin with typical silicone properties like softness and silkiness. BELSIL[®] P 1101 can be used in aerosols, pump sprays and balm/gel-type formulations. In styling applications BELSIL[®] P 1101 is used as a non-flaking hair resin for medium to strong hold. High water content can be formulated without compromising hold, silky feel and quick drying times. In aerosol applications, it shows good compatibility with DME and butane/propane mixtures. In conditioning applications BELSIL[®] P 1101 can help to prevent heat damage to hair by a reduced water loss from hair fibers during hot iron or blow drying treatments. The application range of BELSIL[®] P 1101 is not limited to hair care. It can also act as film former in color cosmetics, sun screen and skin care products.

Technical data

General Characteristics

Property	Condition	Value	Method
Solid content	-	approx. 50 %	-
Acid number / saponification number	-	28 - 33 mg KOH/g	-
Product form	-	Ethanol solution	-

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

- Conditioners
- Hair Care
- Hair Styling
- Nail Polish

Application details

BELSIL® P 1101 is delivered in denatured ethanol as the solvent. The solution needs to be stirred well before use. The hybrid polymer contains free acid groups which should be neutralized with a base to an extent of 80 to 100 % within hair styling formulations. The acid number is provided with the certificate of analysis. BELSIL® P 1101 can be blended with other hair styling resins. For such cases the polymers should be neutralized separately before being combined in the final formulation.

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® P 1101



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

Wacker Chemie AG, Hanns-Seidel-Platz 4, 81737 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.