



BeautySphaera® SC

Chemical description

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Polyurethane

INCI name

PPG-17/IPDI/DMPA Copolymer, PEG/PPG-10/30
Copolymer

Main use

BEAUTYSPHAERA® SC is a unique urethane powder suitable for leave-on applications such as skin care, sun care and make-up.

Typical values

Appearance at 25°C:	white powder
Solids:	99 % approx
Particle size:	
D(50):	5.0-8.0 µm
≤ 30µm:	100%
Oil absorption:	70-120%

Product properties

BEAUTYSPHAERA® SC is a unique urethane powder which, thanks to the size and shape of the particles, offers a ball-bearing effect, leading to finished products with an elegant skin feel.

BEAUTYSPHAERA® SC shows excellent oil-absorption properties, which can help reducing the tackiness of formulations and can be useful also for sebum control.

BEAUTYSPHAERA® SC, thanks to light-scattering properties, creates a "soft focus" or "optical blurring" effect, disguising the appearance of skin imperfections such as fine lines and enlarged pores.

BEAUTYSPHAERA® SC improves the formulation's blendability on the skin and helps delivering a better coverage, increased color payoff and enhanced slip, with a natural finish.

Applications

BEAUTYSPHAERA® SC is suitable for a wide range of applications, providing several benefits:

- Skin care: BEAUTYSPHAERA® SC provides a elegant texture making skin feel velvety soft. Thanks to a soft focus effect, it helps perfecting the appearance of the skin, disguising imperfections such as fine lines and enlarged pores. In oil-based products, it can reduce the oily sensation and avoid undesired shine-breakthrough, while providing a silky touch.

- Sun care: the improved blendability provided by BEAUTYSPHAERA® SC can help achieving a even sunscreen layer which ensures a better protection from sunrays.

- Mineral and colored powders: BEAUTYSPHAERA® SC helps achieving a more homogeneous application, with a better coverage combined with an enhanced color payoff. The afterfeel results in a smooth and silky touch.

- Liquid and cushion foundations, BB creams, CC creams: BEAUTYSPHAERA® SC enhances the color payoff and improves longwear. It delivers a matte effect and helps skin looking even and smooth, thanks to optical blurring.

- Lipsticks and hot pours: BEAUTYSPHAERA® SC ensures a smooth application resulting in a defined and intense color, also preventing the sweating of oils that could affect the coverage.

BEAUTYSPHAERA® SC can be easily added to O/W and W/O emulsions or anhydrous systems. It is suitable both for hot and cold processes, added to oil phase before cross-over or included at the end of the formulation with stirring and homogenisation. Formulation inclusion level: 3-10%.

Storage and handling

BEAUTYSPHAERA® SC should be stored in the originally sealed containers. Keep containers closed. Store in a dry place away from moisture.

Shelf life: 30 months

Packaging

5 kg or 20kg net weight plastic bags in boxes and/or drums. Alternative package sizes may be available upon request.

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Material safety

Product safety data and handling information can be found on the relevant Safety Data Sheet, which is available upon request. It is recommended that the Safety Data Sheets are examined before using the product.

Regulatory information

The Technical Data Sheet is not a official declaration of compliance nor specification. Any specific information has to be released separately and nominally to each customer upon request.