



**ECOFIL**

Natural fillers for cosmetic and  
skin care applications



## ECOFIL

### Natural fillers for cosmetic and skin care applications

ECOFIL is ECKART's new brand for natural cosmetic fillers. It aims at solving the needs for effective natural ingredients for cosmetics. The products featured under this brand support the development of natural cosmetics while addressing other sustainability issues, like for example microplastics or biodegradability.

## ECOFIL B110

#### INCI

Hydroxybutyric acid / Hydroxypentanoic acid copolymer

#### Usage

No special handling instructions are required to work with ECOFIL B110. Detailed information on recommended usage levels, as well as guidance formulations can be provided upon request.

#### Shelf Life

24 months

#### Packaging

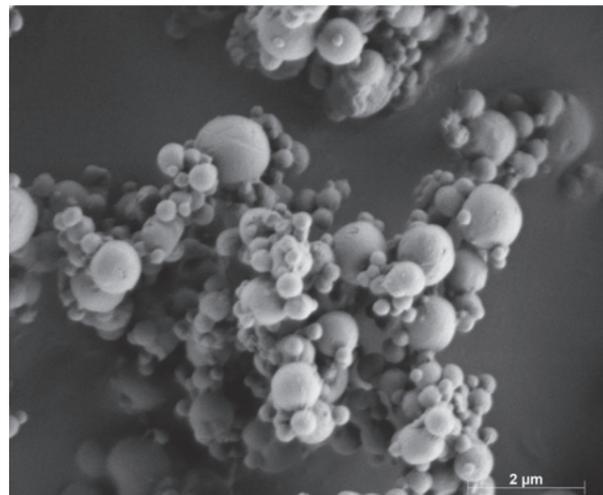
5 kg, 20 kg

#### Samples

50g

#### Supply Form

Free flowing white powder



SEM-Picture of ECOFIL B110, 10 x magnification.

## ECOFIL B110

### Natural biodegradable filler for cosmetic and skin care applications

ECOFIL B110 is a natural micronized biodegradable polymer filler. It is obtained from renewable sources, namely a naturally fermented, non genetically modified corn. This natural filler consists of micronized spherical wax particles and is suitable for color cosmetic and personal care applications. As it is biodegradable, it doesn't leave any longlasting microplastic residues after wash off or disposal.

#### Characteristics

ECOFIL B110 is characterized by a very white color, tight particle size distribution between 1 and 10  $\mu\text{m}$  and particular light reflection properties.

Additionally, thanks to its very white color, it enables very white and clean looking formulations without need of additional whiteners.

Due to its total transmittance and haze properties, ECOFIL B110 has good soft focus potential, which helps to reduce skin imperfections, like freckles or small wrinkles, and to boost a healthy and natural skin appearance: an ideal property for skin care products.

Furthermore thanks to its particle shape, ECOFIL B110 can be used as a mattifier or to fine tune subtle properties of formulations, like application behavior, skin feel or hiding optical imperfections on the skin.

#### Benefits at a glance:

Characteristic	Your Benefit
<b>Biodegradable filler</b>	No microplastic issue
<b>Very white color</b>	Enables clean looking formulations
<b>Spherical wax particles</b>	Pleasant skin feel and good spreadability
<b>Soft Focus potential</b>	Minimizes skin imperfections: immediate anti-aging effect, boosts natural and healthy skin appearance
<b>Homogeneous mattifying effect</b>	ideal for nail polishes, etc.
<b>Easy to disperse</b>	fast development and cost control in production

For more detailed information please contact our technical service department at [TechnicalServiceCosmetics.ECKART@Altana.com](mailto:TechnicalServiceCosmetics.ECKART@Altana.com).



ECKART GmbH  
Guentersthal 4  
91235 Hartenstein, Germany  
Tel +49 9152 77-0  
Fax +49 9152 77-7008  
info.eckart@altana.com  
www.eckart.net

With compliments

ECKART America Corporation  
830 East Erie Street  
Painesville, Ohio 44077, USA  
Tel +1440 954-7600  
Fax +1440 354-6224  
Toll-free: 800-556-1111  
info.eckart.america.oh@altana.com  
www.eckart.net

ECKART Asia Ltd.  
Unit 3706-08, 37/F, Sunlight Tower  
248 Queen's Road East, Wan Chai  
Hong Kong  
Tel +852 3102 7200  
Fax +852 2882 5366  
info.eckart.asia@altana.com  
www.eckart.net

1/March2019.0 COS  
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