



Berg+Schmidt
Functional Lipids

BergaCare FG 5

*The natural alternative
to silicones*

The market trend: quality cosmetics with natural ingredients

In all the wide field of cosmetics, the most important aspect for consumers is care of the skin, with a greater sense of wellbeing and attractiveness. The texture of a product is therefore extremely important, because it has a decisive influence on the consumer's perception of quality.

In view of increasing environmental awareness on the part of the public, more and more manufacturers are replacing synthetic raw materials with natural ingredients.

But without the use of silicone it is no easy task to achieve a texture experienced by consumers as pleasant.

Berg + Schmidt's research and development team has taken up this challenge and developed an outstanding solution:

BergaCare FG 5 – the optimum natural alternative to cyclomethicone.

Applications

- Facial care
- Body care
- Sun care
- Makeup

Benefits of BergaCare FG 5 at a glance

- Biodegradable
- Based on renewable raw materials
- Smooth and silky skin feeling
- Penetrates quickly
- No additives or preservatives
- Transparent, odourless liquid



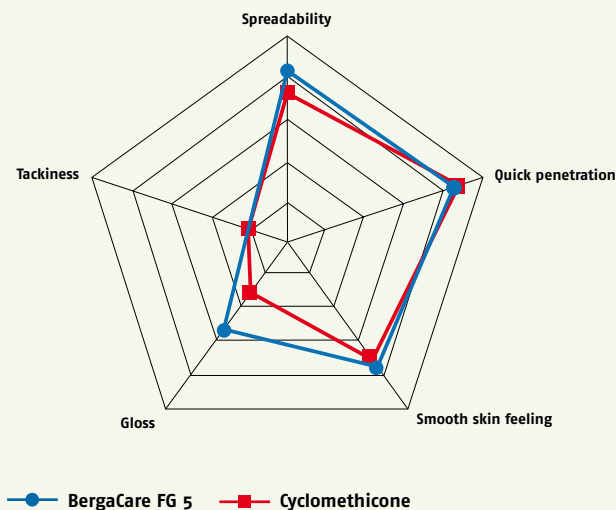
BergaCare FG 5 – the natural alternative to silicones

The innovation: BergaCare FG 5

BergaCare FG 5 is manufactured on the basis of renewable raw materials. It is a low-viscosity, transparent and odourless liquid resulting from a carefully chosen combination of precisely dosed natural ingredients. Thanks to this ideal composition, BergaCare FG 5 has sensory attributes similar to those of cyclomethicone – for a sun protection cream that feels unbelievably gentle to the skin, a light but nevertheless conditioning face cream or a tenderly melting makeup that is easy to apply.

Sensory profile: BergaCare FG 5 versus cyclomethicone

(Panel test with 20 persons)



BergaCare FG 5 is simple to use. It can be worked into the formulation even in a cold state and is compatible with practically all the usual cosmetic ingredients. That makes BergaCare FG 5 universally suitable for use in cosmetic products.

Moreover, BergaCare FG 5 has excellent skin affinity. It helps the skin regenerate and enhances its elasticity.

Specification of BergaCare FG 5

Trade name:	BergaCare FG 5
INCI	Ethylhexyl Palmitate (and) Ethylhexyl Stearate (and) Hydrogenated Olive Oil Unsaponifiables (and) Caprylic Capric Triglyceride
Viscosity:	Approx. 15 mPa.s
Acid value:	≤ 0.5 mgKOH/g
Colour:	≤ 50 Hazen
Moisture:	≤ 0.2 %

Usage levels

1-20 %, depending on the desired result in the formulation.

Example of a formulation: Feel Good Hand Cream*

(Stable for at least 3 months at 40 °C)

Trade name	INCI	Quantity (%)
BergaBest GS 40¹	Glyceryl Stearate	2.5
Glyceryl stearate citrate	Glyceryl Stearate Citrate	1.5
BergaCare SB¹	Butyrospermum Parkii Butter	3.0
BergaCare FG 5¹	Ethylhexyl Palmitate (and) Ethylhexyl Stearate (and) Hydrogenated Olive Oil Unsaponifiables (and) Caprylic Capric Triglyceride	3.1
BergaBest MCT Oil 60/40¹	Caprylic Capric Triglyceride	6.0
BergaCare IN2¹	Isononyl Isononanoate	4.3
Vegarol 1618 TA²	Cetostearyl Alcohol	2.4
Xanthan	Xanthan	0.2
Glycerin, min. 99.5 %	Glycerin	4.0
Water	Aqua	Up to 100
Preservatives	-	q. s.
Fragrances	-	q. s.

¹ by Berg + Schmidt, Hamburg. ² by VVF India.

* We will be pleased to support you in new developments. Further formulations are available on request.

Status at March 2012

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