

DYNASAN® GBE

For surprising comfortable & stable textures

Natural solid lipid providing heat stability
with soft, comfortable sensory



IOI OLEOCHEMICAL



IOI Oleo GmbH
personalcare@ioioleo.de
www.ioioleo.de

V2.0



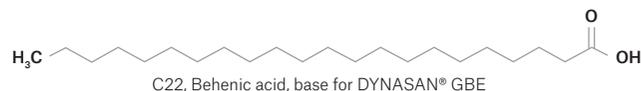
DYNASAN® GBE

For surprising comfortable & stable textures



ABOUT...

- Solid lipid with high melting range (69 - 74 °C)
- Provides heat stability
- Distributes pigments homogenously
- Increases viscosity in emulsions



The secret behind its functionality lies in the structure of DYNASAN® GBE. Its long chain (C22) leads to a higher melting point. This leads to faster hardening, resulting in a smaller and more homogenous strong crystal structure. A small & strong structure shows higher oil-binding properties.

...SENSORIAL...

- Balms
 - Allows melting soft textures
 - Improves pick-up and pay-off
 - Increases film-forming and oiliness
 - Adds comfort & richness
- Emulsions
 - Adds stickiness (ideal for e.g. primer)
 - Prolongs play time (penetration time)
 - Non-soaping, non-dragging feel

...EMOTIONS

- 100 % natural (ISO 16128, Cosmos, NaTrue)
- Vegan compatible
- Renewable sourcing (rapeseed)
- Readily biodegradable
- Skin compatible, mild profile

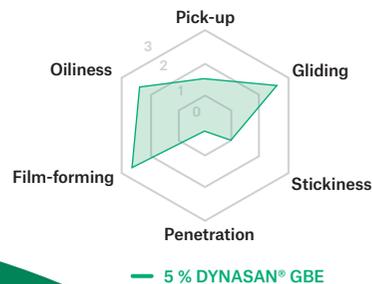
Adds comfort, maintains stability



DYNASAN® GBE offers a high penetration depth, resulting in softer balms with higher pick-up, while maintaining stability. Additionally, balms with DYNASAN® GBE exhibit an improved stability, even at elevated temperatures, as the crystal structure gets denser and smaller (data not shown).

Micropenetration test with a simple balm formula containing waxes, DYNASAN® GBE and MCT.

Offers good pick-up, gliding and film-formation



Balms with DYNASAN® GBE offer a good pick-up, high gliding, low penetration and high film-forming. This leads to a pleasant, melting-on-skin soft sensation with non-waxy after-feel.

Soft Skin Barrier Balm tested by 10 volunteers.

INCI

Glyceryl Behenate

DESCRIPTION

Docosanoic acid ester (behenate) with 1,2,3-propanetriol, variation of mono-, di- and tribehenate, with a dominance of dibehenate

APPEARANCE, COLOR & ODOR

White flakes with faint odor

MELTING RANGE

69 - 74 °C

RECOMMENDED CONCENTRATION

1 - 25 % depending on application

BENEFITS FOR...



...FORMULATOR

- Balance of stability & softness
- Batch-to-batch consistency
- No influence on final color



...PRODUCTION

- High supply security
- High purity
- Efficient cost-in-use



...BRAND

- Well-known INCI
- Pleasant texture and sensory
- Perfect fit for water-free balms



...CONSUMER

- Sustainable sourcing
- Mild profile
- Renewable materials



Discover more online

