

Natural
Vegetable
Functional

The Lipid Expert!

Lipex® Cocoasoft

- Innovative soft natural cocoa butter
- Optimised for demanding skin care and decorative cosmetics
- Exotic emollient with optimised stability and functionality
- Improved consistency and softness

Product name

Lipex® Cocoasoft

INCI name

INCI: Theobroma cacao (EU),
Theobroma cacao (Cocoa)
Seed Butter (U.S.)

Physical form/Consistency at 20 °C

Triglycerides, Solid (mp 48 °C)

Regulatory Status

CTFA, JSIC

Recommended use levels

Emulsions 1-20%
Anhydrous products 1-10%

Packaging

Carton 25 kg

Product Data Sheet/Article number

8602

Formulations

JT-04-14, Shea Cocoa Body Cream
JT-05-06, Cocoa Body Spray

August 2008

Functionality and benefits

Cocoa butter has a long-standing tradition as an appreciated emollient and moisturiser for cosmetics and personal care. Due to its inherent complex crystallisation properties, however, its applications have mainly been limited to low contents in emulsions and anhydrous systems. Well known among formulators are problems with grainy emulsion structures or greyish formations, "bloom", on the surface of finished products whenever high contents of native cocoa butter are incorporated in the formulation.

Lipex® Cocoasoft is characterised by simplified crystallisation properties and improved temperature stability.

Quick crystallisation into a stable crystal form facilitates the formation of homogenous and stable formulations. The good temperature stability offers robust systems less affected by temperature fluctuations. At room temperature, Lipex® Cocoasoft adds structure and stable consistency to the formulation. When applied on the skin it melts smoothly and results in a nice and soft after-feel.

Improved consistency and softness

Typical melting characteristics of Lipex® Cocoasoft in comparison with Lipex® Cocoa Butter are illustrated by Figure 1. Lipex® Cocoasoft is recognised by its very broad melting range: about 65% of solid triglycerides at 20°C and still about 35% at 35°C, which results in a nice, soft skin-feel.

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Native cocoa butter is harder at room temperature, 70-80% of solids at 20°C, and typically melts very quickly on skin contact. The characteristic, slow-melting behaviour of Lipex® Cocoasoft is useful whenever you wish to build consistency and soften a formulation without increasing the liquid phase level at elevated temperatures. Sharp-melting fats at high contents might result in a slightly oily after-feel on the skin and may as well cause sweating and bloom problems in the final formulation.

Applications

Lipex® Cocoasoft is recommended for both emulsions and anhydrous systems. It is a natural choice for caring formulations addressing dry and sensitive skin, as well as in applications with moisturising, conditioning and softening claims. We recommend a content of 1-20% of Lipex® Cocoasoft in emulsions, a proportion suitable for lotions, creams as well as for body butters.

In anhydrous systems Lipex® Cocoasoft is recommended at a 1–10% level, which brings good caring, structuring and sensory properties to the final formulation. Typical formulations might be lipsticks, deosticks, pencils and lip balms. In the body butter type of formulations, Lipex® Cocoasoft can be used typically up to 50%.

AarhusKarlshamn sample formulations utilise the beneficial skin-caring, sensory and structuring properties of Lipex® Cocoasoft. Combined natural lipids lend caring, good moisturising and high stability properties to the formulation.

Lipex® Cocoasoft is purified to a high and even quality. It offers low colour, no odour and high stability, all of which makes it a safe ingredient for high quality cosmetic formulations. Forced crystallisation to some 20 °C is recommended to facilitate the formation of uniform fat crystals and the best sensory properties in anhydrous systems.

Melting profile

Figure 1

