

Personal Care

AAK

enhancing
the power
of nature



Lipex IllipeSoft™ & Lipex CocoaSoft™

Tropical butters for elegant and moisturising skin
and lip care formulations

emollients

Lipex CocoaSoft™ and Lipex IllipeSoft™

Tropical butters are popular ingredients in cosmetic formulations due to their consumer appeal and good moisturising properties. Their use in many applications is limited by their particular crystallisation properties, often leading to unstable consistency and “bloom” – white spots appearing on the surfaces. Based on our deep knowledge in crystallisation of lipids, we at AAK have developed two ingredients that combine the beneficial properties of cocoa and illipe butter with good stability against bloom and consistency changes – Lipex CocoaSoft and Lipex IllipeSoft. The use of these improved butters results in elegant formulations that deliver highly desired sensory attributes.

Originating from the rainforests

The cocoa tree is a small tree originating in the rainforests of Central and South America. The fruit was used by the Aztecs and Mayas to prepare xocolatl or kakaw, a drink we today know in the refined form of chocolate. The botanical name is Theobroma cacao; “theobroma” means “food of gods” whilst “cacao” is a Mayan word for the chocolate drink.

The Illipe tree grows on the riverbanks of pristine rainforests in Borneo. The trees are tall and widely dispersed,

making the collection of the seeds a difficult task. The seeds are collected by people living in the rainforest and used for producing “Borneo butter”, an important energy source and nutrient.

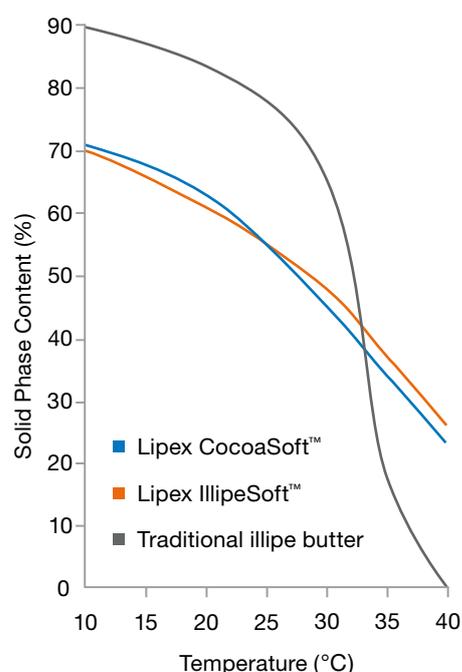
High performance butters for luxurious feel

Lipex CocoaSoft and Lipex IllipeSoft are designed to bring the appreciated moisturising properties of cocoa butter and illipe butter to personal care formulations, without the difficulties often observed when formulating with traditional forms of the butters. They are also more compatible with other commonly used emollients and waxes, compared to the traditional butters. Both Lipex CocoaSoft and Lipex IllipeSoft are characterised by being rather soft at 20 °C, with a flat melting profile leaving some solids also at skin temperature, i.e. 35 – 40 °C.

The high solids content at elevated temperatures gives better heat stability and a less oily skin feel compared to traditional cocoa and illipe butters. Both butters contribute to luxurious and elegant skin feel in many skin and lip care formulations. Use them as emollients and moisturisers at 1–5% in lotions and creams, and up to 15% in body butters. In lip care and colour cosmetics, both butters can be added

as texturisers and moisturisers starting from 1–2%, and in lip balms up to 30%.

Melting profiles for tropical butters



- ◆ Elegant tropical butters for skin care and colour cosmetic formulations
- ◆ High stability and long shelf life
- ◆ Moisturising and conditioning renewable sources

Product name	Lipex CocoaSoft™	Lipex IllipeSoft™
INCI name	Theobroma Cacao Seed Butter (EU) Theobroma Cacao (Cocoa) Seed Butter (US)	Shorea Stenoptera Seed Butter (EU) Shorea Stenoptera (Illipe) Seed Butter (US)
Product group	Performance emollients	Performance emollients
Physical form 20 °C	Semi-solid	Semi-solid
Regulatory status	Cosmetic regulation EC 1223/2009 REACH Exempted (Annex IV, SDA 11)	Cosmetic regulation EC 1223/2009 REACH Exempted (Annex IV, SDA 11)
Approvals	COSMOS (CPAI), NPA	COSMOS (CPAI)
Melting point (°C)	47-49	49-51
Appearance	Off-white semi-solid paste	Off-white semi-solid paste
Unsaponifiables (%)	0.5	0.5
Oxidative stability index (h, 110°C)	45-50	60-75
Iodine Value	35-45	30-40