PRODUCT INFORMATION

CEVO®-cos K-4418

Product Description

CEVO®-cos K-4418 is a patented long-chain organic ester wax, based on renewable plant waxes.

General Advantages

- Stabilising and oil-binding/oil-regulating
- Improves water resistance in sun protective formulations
- Texture optimisation
- Dispersing aid for pigments in decorative cosmetics (eye shadow, mascara, eye liner)

In cosmetic formulations, CEVO®-cos K-4418 can support the stability and improves the skin protection. CEVO®-cos K-4418 can trigger an occlusion effect, which reduces skin moisture evaporation and proved the skin with a protective, breathable film. This property can also improve the cold protection of cosmetic formulations at low temperatures resp. strong wind. In w/o emulsions this functionalised wax acts stabilising and oil-binding. In concentrations over 1 % CEVO®-cos K-4418 can improve the long-term stability and provides a soft skin sensation.

On the basis of its a.m. properties CEVO®-cos K-4418 can be used to reformulate Candelilla wax-based composition. Technical support available upon request.

Examples of Use

CEVO®-cos K-4418 can be used to manufacture cosmetics as, for example, in mascara, hair wax, deodorant sticks as consistence-giving and oil-binding wax. Further possible uses: skin protection products, all-purpose creams, sun protective formulations, stick formulations, eye liner.

Delivery Specifications *

Characteristics	Unit	Target value	Method
Acid value *	mg KOH/g	12 – 25	ISO 2114
Drop point *	°C	83 – 90	ASTM 3954
Colour	–	pale yellow	AA 3.2.1.505

Packaging and Handling

Physical form	Flakes or powder
Packaging	Paper bag or Big Bag
Storage	Store at ambient temperature on a dry place. Protect from heat/overheating and direct sunlight. The maximum shelf life is 5 years after production. Thereafter, tests of the chemical characteristics are recommended. After delivery, a minimum remaining shelf life at the customer of 1.5 years is warranted.

Safety

CEVO®-cos K-4418
- is made from a renewable biological source
- reached the criteria for inherent biodegradability (OECD Guideline 301 D, Closed Bottle Test)
- is not classified as carcinogenic, mutagenic or reprotoxic; no health or environmental hazards are known, provided it is applied in industrial and professional settings

Delivery Time and Availability

Standard delivery time: 2 – 3 weeks. Preconditions can be met for achieving shorter delivery times on standard products when demanded by the market.

Remark: Voelpker's R&D department is permanently developing new special wax blends. Please contact us for your individual requirements.

Legislation

Food contact legislation:
- Product for technical applications

Other legislation:
- DIN certified as bio-based (> 85 %)
- REACH, RoHS and CONEG compliant

For further information, please contact application@voelpker.com.

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