

## 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 proves 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 minimum remaining period is 1.5 years and is defined as the minimum shelf life at the customer. Thereafter, tests of the chemical characteristics are recommended. The maximum shelf life of 5 years is indicated.

## 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](mailto:application@voelpker.com).