

OVERVIEW | OUR PRODUCT SERIES



| plastic series



| plastic recycling series



| polish series



| coating series



| biobased series



| cosmetic + pharma series

AT A GLANCE –
FIND YOUR SUITABLE WAX ADDITIVE

OVERVIEW

When desires turn into solutions

True to the motto "to make ideas work", we do everything to improve and optimise our customers' products and processes. We design special wax that are precisely tailored to their requirements. We have served as a reliable partner and developed individual solutions for many branches in recent decades.

More than 100 years in the special wax business speak for themselves when it comes to our company's ability to be innovative. Originally focused only on the production of montan waxes, our company has developed very successful business areas over the past few decades. We have also developed into an internationally esteemed company in the tanning agent manufacturing segment.

Völpker Spezialprodukte GmbH combines all of the characteristics of a successful medium-sized, family-owned company: a solid know-how base thanks to stability in our orientation, a high degree of flexibility in fulfilling our customers' requirements and a very cooperative and pleasant work environment.

"to make ideas work" is both our vision and our reality - we want to shape changes on the market for and with our customers as best as we can.

CEVO®

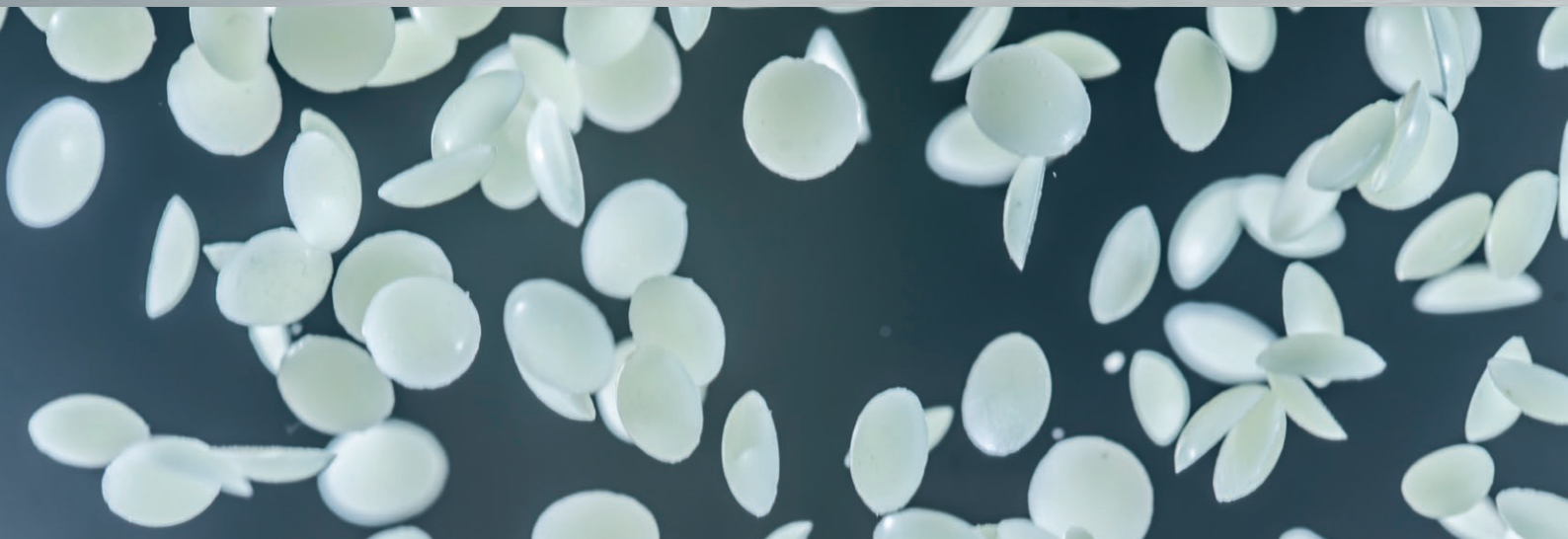
Under the CEVO® brand, we have summarised products that were specially developed by VOELPKER for certain applications or application areas. This includes a range of waxes, wax-like compounds and blends, which we are constantly expanding in cooperation with and for customers. We are thus taking account of the technical advancement in many areas of industry, which is becoming increasingly dynamic and complex. These products are often the key to solving issues concerning processing and applications. Important applications can be found both in the consumer and industrial environment.

WARADUR®

Bleached montan waxes are among the most versatile waxes. The special derivatives are used all over the world as multifunctional high-performance additives in various industries, and all fulfil very different functions. Important applications can be found in the plastics industry, in the coatings industry and in the cosmetics and pharma industry.

Montan waxes are easily emulsifiable hard waxes. Depending on the individual requirements, they can be processed in formulations as various kind of dispersions.





VOELPKER | plastic series

Improve your plastic production – VOELPKER Plastic Series

The use of products from the VOELPKER® Plastic Series allows the user to create compounds with significantly better characteristic value profiles, which would otherwise not have been

possible in the absence of our wax additives. The unique multifunctionality of WARADUR® + CEVO®* additives allows the resolution of different problems: it ensures improved surface quality, increased flow properties and a reduction of friction peaks.

VOELPKER | plastic recycling series

Wax additives for recyclates processing – VOELPKER Plastic Recycling Series

The products of the VOELPKER® Plastic Recycling Series are adapted to the processing conditions of recyclates. These conditions are dependent on the base polymer involved. The unique

multifunctionality of montan waxes on the one hand and the synergies of other additives such as stabilisers and lubricants on the other hand can be used to produce compounds with property profiles that are very close to those of new products.

VOELPKER | coating series

Wax additives for coatings – VOELPKER Coating Series

The VOELPKER® Coating Series comprises special waxes for functional surface coatings for a wide range of materials as, for example, wood, paper, cardboard, textiles, leather, metal and plastics. These applications can be found in consumer-orienta-

ted and industrial settings. The products can be processed to water or solvent-based liquid, gel-like or solid dispersions, or they are applied directly as melts.

VOELPKER | polish series

Wax additives for household & car care – VOELPKER Polish Series

The VOELPKER® Polish Series comprises special waxes for applications in consumer-near and similar applications. Examples: floor-, furniture- and leather care, shoe- and car polish and leather finishing. The main focus of these application areas is the

care, protection, feel and appearance of materials and surfaces. Depending on the individual requirements, the products can be processed in formulations to water- or solvent-based liquid, gel-like or solid dispersions.

VOELPKER | biobased series

Biobased wax additives – VOELPKER Biobased Series

The VOELPKER® Biobased Series comprises highly effective waxes for a wide variety of applications, made completely or predominantly from vegetable raw materials. This reflects the fact that the demand for materials from renewable raw materials has increased significantly in recent years.

VOELPKER | cosmetic + pharma series

Wax additives for better care products – VOELPKER Cosmetic + Pharma Series

The products from the VOELPKER® Cosmetic + Pharma Series include the INCI-listed montan waxes, which are widely used in cosmetic formulations. They are used, for example, to influence the hardness and strength of decorative cosmetics. Montan waxes also have an oil-binding effect, can increase the stability

of formulations and improve skin protection. Due to the properties mentioned, WARADUR® and CEVO®-cos waxes* can be used to reformulate formulations based on candelilla wax or carnauba wax.

VOELPKER | montan wax series

Bleached montan waxes are among the most versatile waxes and are used in every industrial sector summarised in the series in this brochure. The special derivatives are used all over the world as multifunctional high-performance additives in various industries, and all fulfil very different functions.

Product	Applications	Properties	Chemical Base	Polymers																Functions											
				PA	PE	PP	PBT	PU/TPU	PET	PC	PS	ABS	PVC	TPE	POM	Styrenics	Thermosets	PLA	Others	Dispersion	Lubricant	Lubricant, extern	Lubricant, intern	Release agent	Gloss booster	Surface improver	Viscosity regulator	Flow improvement	Stabilisation	Nucleating agents	
WARADUR® E	Lubricants, process auxiliaries	Lubricants, mould release agents, dispersing agents, process auxiliaries, 3D printing	Montan wax esters	•		•	•	•	•	•			•	•			•	•	•	•	•	•	•	•	•	•	•				
WARADUR® GE	Lubricants, process auxiliaries	Lubricants, mould release agents, dispersing agents, process auxiliaries	Montan wax esters	•			•	•	•	•			•				•	•		•						•	•				
WARADUR® OP	Lubricants, process auxiliaries	Lubricants, mould release agents, dispersing agents, process auxiliaries	Partially saponified montan wax esters	•		•	•	•	•	•			•	•			•	•	•	•	•	•	•	•	•	•	•				
WARADUR® S	Lubricants, process auxiliaries	Lubricants, mould release agents, dispersing agents, process auxiliaries	Montanic acid										•					•			•	•									
CEVO®-process A-3110	Process auxiliaries	Lubricants, mould release agents, dispersing agents, process auxiliaries	Synergistic mixture of fatty acid esters and stabilisers	•																	•	•	•	•	•	•	•	•	•		
CEVO®-process B-3205	Process auxiliaries	Lubricants, mould release agents, dispersing agents, process auxiliaries	Synergistic mixture of montan wax esters and stabilisers		•	•															•	•	•		•			•			
CEVO®-stab A-5100	Process auxiliaries, process stabilisation	Lubricants, mould release agents, dispersing agents, process stabilisation	Synergistic mixture of montan wax esters, fatty acid esters and stabilisers	•																	•	•	•	•	•	•	•	•	•		
CEVO®-stab A-5105	Process auxiliaries, cycle time reduction	Lubricants, cycle time reduction	Synergistic mixture of montan wax esters, fatty acid esters, stabilisers and nucleating agents	•																	•	•	•	•	•	•	•	•	•	•	
CEVO®-stab B-5200	Heat stabiliser, process auxiliaries	Improves the homogeneity of the filler distribution, reduces degradation by friction peaks, leads to an improved surface quality and increases the thermo-oxidative stability of produced compounds	One pack that includes a synergistic combination of different lubricating and dispersing agents, as well as a balanced mixture of diverse stabilisers and co-stabilisers		•	•															•	•	•	•	•	•	•	•	•		
CEVO®-stab B-5205	Heat stabiliser, process auxiliaries	Base stabiliser, process auxiliaries	Synergistic mixture of different stabilisers and fatty acids		•	•															•	•								•	
CEVO®-stab D-5300	Heat stabiliser, process auxiliaries	Process stabilisation, surface gloss	Synergistic mixture of montan wax esters and stabilisers																		•	•	•	•	•	•	•	•	•	•	
CEVO®-stab E-5400	Heat stabiliser, process auxiliaries	Process stabilisation, formaldehyde scavenger, surface gloss	Synergistic mixture of montan wax esters and stabilisers																		•	•	•	•	•	•	•	•	•	•	
CEVO®-stab F-5500	Process auxiliaries, formaldehyde scavenger	Process stabilisation, formaldehyde scavenger, surface gloss	Synergistic mixture of montan wax esters, fatty acid esters and stabilisers																		•	•								•	
CEVO®-stab G-5600	Process auxiliaries, process stabilisation	Process stabilisation, better release properties, improved surfaces	Synergistic mixture of montan wax esters and stabilisers						•												•	•	•	•	•	•	•	•	•	•	

Product	Applications	Properties	Chemical Base	Functions													
				Anti-block	Slip	Gloss booster	Surface improver	Hydrophobisation	Wood	Corrosion protection	Emulsifier incorporated	Self gloss	Preparation of pastes	Dispersions, solvent-based	Dispersions, water-based	Oil-binding	Depilatory waxes
CEVO®-care P-2013	Dry-bright emulsions, shoe polish	Easy to saponify, easy to emulsify, good self-shine properties, easy to handle, emulsifiable in pressureless vessels	Montan ester waxes and microcrystalline waxes			•	•	•	•			•		•	•	•	
CEVO®-care P-2714	Dry-bright floor polishes and cleaners for household, industrial and institutional use, shoe polish and car care products	APEO-free emulsifier system integrated; easy to emulsify (pressureless vessel)	Montan wax esters, emulsifier			•	•	•	•			•	•		•		
CEVO®-care P-2725	Dry-bright floor polishes and cleaners for household, industrial and institutional use, shoe polishes and car care products, leather industry: improving handle, flexibility, gloss	APEO-free emulsifier system integrated; easy to emulsify (pressureless vessel), suitable for dry-bright emulsions and emulsions that can be buffed to gloss	Montan ester waxes and natural, regrowing waxes and hydrocarbon waxes, proprietary emulsifier mixture (APEO-free) incorporated			•	•	•	•			•	•		•		
CEVO®-care P-2735	Dry-bright floor polishes and cleaners for household, industrial and institutional use, shoe polish and car care products	APEO-free emulsifier system integrated; easy to emulsify (pressureless vessel); hydrophobisation	Special wax blend, based on hydrocarbon waxes, natural regrowing waxes and proprietary emulsifier mixture			•	•	•	•			•	•		•		
CEVO®-care P-4418	Water-based car polishes, shoe polishes: water- and solvent-based pastes, hydrophobic emulsions	"Bio-based"; easy to emulsify; formulations provide self-shine and/or can be buffed to gloss	Plant wax ester; INCI: Glycol Carnaubate			•	•	•	•				•		•	•	
CEVO®-care P-4420	High quality solvent-based pastes for various polish applications (leather/shoe, floor, furniture, etc.)	"Bio-based"; botanical hard wax with a high melting point; acts solvent/oil-binding	Plant wax ester, partially saponified						•				•	•		•	
CEVO®-care P-5622	Solvent-based pastes for various polish applications (leather/shoe, floor, furniture, etc.)	Provides solvent/oil-binding; alternative to WARADUR® OP; gives softer touch of the paste and stronger darkening effect on leather	Special wax blend, based on partially saponified ester waxes						•				•	•		•	
CEVO®-care P-6201	Manufacture of technical emulsions, e.g. for shoe polishes, cleaning and care agents: water-based pastes and liquid dispersions, e.g. for brass and bronze polishes	Special wax for solvent-based liquid and solid dispersions as well as for liquid and solid water-based dispersions	Partially lithium-saponified Fischer-Tropsch wax		•		•	•					•	•	•		
CEVO®-care P-6202	Manufacture of technical emulsions, e.g. for shoe polishes, cleaning and care agents: water-based pastes and liquid dispersions, e.g. for brass and bronze polishes	Special wax for solvent-based liquid and solid dispersions as well as for liquid and solid water-based dispersions	Partially lithium-saponified Fischer-Tropsch wax		•		•	•					•	•	•		
CEVO®-care P-6211	Solvent-based dispersions, liquid floor polish, car polish	Forms very finely divided solvent-based dispersions with low solvent retention when dried; on a surface very dense, buffable films are formed	High-melting special wax blend, based on hard waxes, polymers, hydrocarbon waxes and stearates					•	•	•			•	•			
CEVO®-care P-6328	Preparation of solvent-based pastes for polishes	Price-effective wax blend, provides glossy paste surfaces (pouring temperature ± 50 °C)	Special wax blend, based on hard waxes, polymers, hydrocarbon waxes and stearates										•	•			
CEVO®-care P-6380	Special wax for the preparation of solvent-based pastes	Solvent-based paste formulations with this wax can be adopted for the use in tropic climates	Various hydrocarbon waxes, micro hard waxes and salts of fatty acids										•	•			
CEVO®-care P-6548	Emulsions, creams for shoe polish, floor and furniture care	Emulsifier system integrated; easy to emulsify (pressureless vessel), suitable for dry-bright emulsions and emulsions that can be buffed to gloss	Special wax, consisting of partially saponified polyethylene wax, other hydrocarbon waxes and a proprietary emulsifier composition	•	•							•	•		•		
CEVO®-care P-6628	Formulations for shoe polish, leather finishing	Easy to saponify; formulations with CEVO®-care P-6628 give dark pull-up effects and good hydrophobicity; can also be used as direct leather finishing via heated roller application	Bio-based, botanical wax acids and esters					•							•		
CEVO®-care P-8015	Candelilla wax alternative, it is, for example, suitable for the formulation of shoe polish emulsions	Easy to saponify, easy to emulsify; CEVO®-care P-8015 formulations can be buffed to gloss and provide good hydrophobicity	Special wax blend, consisting of long-chain wax esters and hydrocarbon waxes				•	•							•		•

Product	Applications	Properties	Chemical Base	Functions																
				Anti-block	Anti-static	Dispersion	Surface improver	Viscosity regulator	Flow improvement	Stabilisation	Self gloss	Preparation of pastes	Dispersions, water-based	Opacifying	Emulsifying	Oil-binding	Pharma/DAB	Depilatory waxes	Candelilla substitutes	Anti-caking agents
WARADUR® E	Care products, hair wax, sunscreen formulations, deodorant stick formulations, mascara, eyeliner, peeling formulations	Has an oil-binding effect, can increase the stability of emulsions, optimises the texture, dispersing aid for pigments in decorative cosmetics; INCI: classified as emulsifying, skin-nourishing, opacifying	Montan ester wax; INCI: Glycol Montanate, Montan Cera, Montan Wax			•	•	•			•		•	•	•			•		
WARADUR® GE	Care products, hair wax, sunscreen formulations, mascara, eyeliner; Candelilla wax substitute	Has an oil-binding effect, can increase the stability of emulsions, optimises the texture, dispersing aid for pigments in decorative cosmetics; INCI: classified as emulsifying, anti-static, binding, opacifying, viscosity-regulating	Montan ester wax; INCI: Glyceryl Montanate, Montan Cera, Montan Wax		•	•	•						•	•	•	•			•	
WARADUR® OP	Peeling formulations, natural substitute for microparticles made of polyethylene (WARADUR® OP powder)	Hard wax with a high melting point, available as a powder made of particles with an irregular structure	Montan ester wax; INCI: Butylene Glycol Montanate, Montan Cera, Montan Wax								•	•			•					•
WARADUR® S, L, LS	Emulsions/creams; stabilisation resp. binding of oils and pigments in waxy cosmetic pencil refills	Emulsions: due to its high acid number, WARADUR® S (L, LS) can be easily saponified; INCI: classified as anti-static, binding, viscosity-regulating	Montanic acids; INCI: Montan Acid Wax, Montan Cera, Montan Wax		•			•					•		•					
WARADUR® XE	Tablets, coated tablets	Matrix for pharmaceutical active ingredients, retardants, polishing agents, coating wax; quality according to the German Pharmacopoeia (DAB)	Montan ester wax, DAB: Cera montanglycoli; INCI: Glycol Montanate, Montan Cera, Montan Wax			•	•	•			•		•	•	•	•	•			
WARAMONT CA	Pressed and loose cosmetic powders, peeling formulations, substitute for microparticles made of polyethylene	Acts as an anti-caking agent, allowing the free movement of solid powders; INCI: classified as an anti-caking agent, viscosity-regulating	High-melting hard wax, calcium salts of montanic acids; INCI: Calcium Montanate, Montan Cera, Montan Wax					•	•										•	•
CEVO®-cos K-4418	Care products, hair wax, sunscreen formulations, deodorant stick formulations, mascara, eyeliner, peeling formulations	"Bio-based" certified, has an oil-binding effect, can increase the stability of emulsions, optimises the texture, dispersing aid for pigments in decorative cosmetics; INCI: classified as emulsifying, skin-nourishing, opacifying	Plant wax esters; INCI: Glycol Carnaubate			•	•	•			•		•	•	•	•			•	
CEVO®-cos K-4419	Emulsions/creams; stabilisation resp. binding of oils and pigments in waxy cosmetic pencil refills	"Bio-based"; emulsions: due to its high acid number, CEVO®-cos K-4419 can be easily saponified; INCI: classified as anti-static, binding, viscosity-regulating	Plant wax acids; INCI: Carnauba Acid Wax					•					•		•					
CEVO®-cos K-4420	Peeling formulations; substitute for polyethylene microparticles	"Bio-based"; hard wax with a high melting point; available as a powder made of particles with an irregular structure	Plant wax ester, partially saponified								•	•			•					•
CEVO®-cos K-5130	Pens for decorative cosmetics, deodorant sticks, body butter, hair wax	Candelilla wax substitute	Formulation made of Ceresin, natural ester waxes and resins; all ingredients are listed in INCI and/or in the Ph. Eur.					•							•				•	
CEVO®-cos K-8560	Lipsticks and lip balms, eye shadow, blush and colouring pencils, sunscreen sticks, antiperspirant/deodorant sticks, water/oil emulsion creams, hair styling creams	Used to adjust the hardness and strength of cosmetic products; INCI: classified as skin-conditioning, occlusive, emulsifying	Montan ester wax, plant wax esters; INCI: C18-36 Acid Triglyceride					•							•				•	
CEVO®-cos K-9675	Depilation wax	Flexible, low-viscosity warm wax with a high hair adhesive power, suitable for short hair (3 mm), Brazilian Waxing	INCI: Glyceryl Rosinate, Beeswax, Colophonium, Ethylene/VA Copolymer																•	

VOELPKER

Völpker Spezialprodukte GmbH
Fabrikstraße 1 | 39393 Völpke | Germany
Tel. +49 (0) 39402 962-0
Fax +49 (0) 39402 215
application@voelpker.com
www.voelpker.com

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