Berg+Schmidt
Care Ingredients
Our knowledge. Your formulations.

Nature, Passion and Science

Care Ingredients Brochure





Contents

+ Who We Are and What We Do 4
+ Emollients 6
+ Emulsifiers 10
+ Conditioning Agents 12
+ Solubilizers and Surfactants 16
+ Care Ingredients for Beautiful Skin 18
+ Actives and Delivery Systems 22
+ UV Filters 26
+ Butters, Fats and Waxes 28
+ Stabilizing Agents 30

Who We Are and What We Do

Nature, passion, and science are our ingredients for beautiful skin. Berg + Schmidt combines natural ingredients and state of the art raw materials with advanced technologies for a wide range of personal care applications. We supply mild, environment-friendly surfactants, plant-based emulsifiers, natural silicone alternatives, and smart delivery systems. In addition, we provide basic cosmetic ingredients like esters, fatty alcohols, fatty acids, glycerin, and shea butter.

As member of the Stern-Wywiol Gruppe, one of the world's leading food ingredient manufacturers, we capitalize on the synergies of our corporation. In our laboratories at the Stern-Technology Center in Ahrensburg – a science campus of 3,000 m^2 – we develop new and innovative raw materials together with our colleagues from the Food Ingredients Division. With access to modern technologies, we help our international partners and customers improve or test existing formulations and develop new ideas and concepts. The focus of all our activities lies on healthy and vital skin, and we are always passionate about finding new ways to improve skin quality. In our daily business, from raw material sourcing to product development and manufacturing to supply chain excellence, we dedicate ourselves to the highest quality standards, sustainability, and transparent communication with our employees, customers, and suppliers. Our products are manufactured using the latest technologies, and our quality is constantly monitored under our QA systems and by external inspectors.

+ Science

Our brand represents the merging of years of industry knowledge with deep expertise. At Berg + Schmidt Care Ingredients, we offer technical advice on the optimal use of our cosmetic ingredients, providing our customers with unparalleled insight.

+ Nature

The brand reflects our commitment to providing sustainable solutions that adapt to market and environmental changes, ensuring our relevance well into the future. Berg + Schmidt Care Ingredients is your partner in progress.

+ Human

At the heart of our values is our commitment to customer centricity. As we expand globally, our network of qualified partners ensures both international and local market presence. We're creating customized solutions to meet your unique needs.





Your Success Is Our Success

Emollients

Vegetable oils and fats are lipids, whereby glycerin as a trivalent alcohol is esterified with higher fatty acids to form triglycerides. The resulting emollients fulfill a variety of functions in cosmetic formulations, depending on the main fatty acids used. They can be used as solvents for UV filters, pigments, or active ingredients. In skin care products, they are primarily intended to make the skin soft and supple. Depending on the type and concentration used, they have a major influence on the texture, sensory properties, and consistency of a product. Ester oils are used in skin and hair care formulations as well as in decorative cosmetics. For this reason, polarity and spreading behavior play an important role, especially in topical applications.

A distinction is made between fast, slow, and medium spreading variants. Their targeted combination and the differentiation between various spreading cascades are largely responsible for the sensory properties of a product, i.e. the skin feel during and after application, as well as penetration. Other components can modulate the sensorial experience. Emollients and other vegetable or synthetic oils are the basic components in cosmetic products, and are used in larger or smaller proportions depending on the formulations. Quality and origin are therefore of great importance. The **BergaCare** products speak for themselves when it comes to setting market standards.



Product Name	INCI	Use Concentration	Processing	Formulated Textures and Viscosities	Spreadability	Polarity	Description	Form	Certifications
BergaBest MCT Oil 60/40	Caprylic / Capric Triglyceride	5–35 % depending on application			++	+++	Natural medium-spreading emollient suitable for various kinds of skin and hair care formulations. It is medium to high polar and provides the skin with intensive care, and protects it from drying out by means of its natural fatty acid.	Liquid	COSMOS approved ISO 16128: Ino = 1
BergaBest MCT Oil 60/40 Coconut based	Caprylic / Capric Triglyceride	5–35 % depending on application			++	+++	Natural medium-spreading emollient suitable for various kinds of skin and hair care formulations. It is medium to high polar and provides the skin with intensive care, and protects it from drying out by means of its natural fatty acid.	Liquid	COSMOS approved ISO 16128: Ino = 1
BergaBest MCT Oil 70/30	Caprylic / Capric Triglyceride	5–35 % depending on application			++	+++	Natural medium-spreading, medium to high polar emollient suitable for various kinds of skin and hair care formulations.	Liquid	COSMOS approved ISO 16128: Ino = 1
BergaBest PGDE	Propylene Glycol Dicaprylate / Dicaprate				++	+++	Low-viscous and light-weight emollient with excellent skin smoothing and conditioning properties. Can be used in color cosmetics and sun care products due to its ability to dissolve oil-soluble compounds.	Liquid	ISO 16128: Ino = 0.8
BergaCare EM-14	Isopropyl Myristate				+++	++	Emollient with a high gliding effect in beauty products. Moisturizer with medium polar and fast spreading properties used in skin care to improve skin absorption.	Liquid	ISO 16128: Ino = 0.8
BergaCare EM-16	Isopropyl Palmitate	5–35 % depending on application			+++	++	Emollient with excellent UV and pigment dispersions properties. In products it gives a soft feel and enhances moisturizing effects.	Liquid	ISO 16128: Ino = 0.8
BergaCare EM-AB	C12-C15 Alkyl Benzoate				+	++	Emollient ester used in skin care, sun care and color cosmetics to improve feel and softness, and disperse sunscreen agents.	Liquid	ISO 16128: Ino = 0
BergaCare EM-CO	Cetearyl Ethylhexanoate				++	++	An emollient skin care ingredient that helps skin retain moisture. Due to its dry skin feel it can easily be used for dry oil sprays or products with a matte effect.	Liquid	ISO 16128: Ino = 0.7
BergaCare EM-CP	Cetyl Palmitate				n.a.	++	For use as viscosity and consistency enhancer, including better emulsion stability. It also acts as an excellent film former.	Solid	ISO 16128: Ino = 1
BergaCare EM-CSO	Cetearyl Ethylhexanoate				+++	++	A synthetic emollient oil that leaves a soft, non-greasy, non-sticky feel on the skin, absorbs fast and can be emulsified very easily.	Liquid	ISO 16128: Ino = 0.7

= Cold-processable = Hot-processable = Spray bottle = Pipette = Tube = Jar

Spreadability and Polarity Scales:
+++ High | ++ Medium | + Low



Product Name	INCI	Use Concentration	Processing	Formulated Textures and Viscosities	Spreadability	Polarity	Description	Form	Certifications
BergaCare EM-LC	Coco Caprylate-Caprate				+++	+++	A naturally-derived, biodegradable cosmetic ingredient certified by Ecocert as a replacement for cyclic silicones in skincare formulations.	Liquid	ISO 16128: Ino = 1
BergaCare EM-OC	Ethylhexyl Cocoate				++/+++	++	An emollient used to soften dry or rough skin and enhance its appearance. It is non-occlusive and can reduce tackiness of the skin.	Liquid	
BergaCare EM-OP	Ethylhexyl Palmitate				++/+++	++	Emollient, texture enhancer, and solvent. It has medium to high spreadability and therefore is used in moisturizing creams. With its rich after-feel, it nourishes the skin.	Liquid	ISO 16128: Ino = 0.7
BergaCare EM-OS	Ethylhexyl Stearate				++/+++	++	Used as an emollient to deliver skin-softening properties and a smooth after-feel. It acts as a lubricant on the skin's surface to help lock in moisture and reduce evaporation (TEWL).	Liquid	ISO 16128: Ino = 0.7
BergaCare EM-SN	Cetearyl Isononanoate				++	++	An emollient that smooths and softens the skin. Suitable for sun care and color cosmetics, as it gives a velvety touch.	Liquid	ISO 16128: Ino = 0.7
BergaCare FG Gel	Hydrogenated Ethylhexyl Olivate, Hydrogenated Castor Oil / Sebacid Acid Copolymer, Hydrogenated Olive Oil Unsaponifiables	1–5 % in creams and lotions 3–20 % in oil-gels ~70 % for high bouncing effects			n.a.	+++	Natural oil thickener for transparent and viscous oil gels, gel-creams and solid jelly textures. The ingredient is cold-processible and can be used in various leave-on and rinse-off formulations for skin or hair care concepts. Solid particles like pigments or mineral UV filters can easily be suspended and give stable results. Due to its good compatibilities with various oil types and its natural thixotropic behavior, it also allows for fancy products with honey-like or playful bouncing texture.	Gel	ISO 16128: Ino = 0.13
BergaCare FG L11	Undecane, Tridecane, Hydrogenated Olive Oil Unsaponifiables, Coco-Caprylate / Caprate	1–35 % in leave-on and rinse-off 5–35 % depending on application	Up to max. 75 °C		+++	+	A functional replacement for highly volatile silicone oils that is readily biodegradeable. It spreads quickly and leads to a dry, luxurious after-feel due to its instant absorption. Excellent skin conditioning properties due to its high olive squalene content. In decorative cosmetic products it is suitable for dispersing pigments or fillers.	Liquid	COSMOS approved
BergaCare FG M12	Coco Caprylate / Caprate, Dodecane, Citrullus Lanatus (Watermelon) Seed Oil	1–35 % in leave-on and rinse-off 5–35 % depending on application	Up to max. 75 °C		++/+++	++	Combines functionality and care to offer a natural and volatile alternative to silicone oils while providing an outstanding skin feel. The Kalahari melon seed oil is very rich in essential fatty acids, and contains further natural antioxidants which leave the skin well conditioned and supple. The unique combination of the dry vegatable oil, alkane and ester oils makes BergaCare FG M12 the ideal choice for skin care applications.	Liquid	COSMOS approved
BergaCare FG Olive	Hydrogenated Ethylhexyl Olivate, Hydrogenated Olive Oil Unsaponifiables	1–35 % in leave-on and rinse-off			++	+++	An emollient blend that combines the conditioning properties of the fatty acid ester ethylhexyl olivate and squalane derived entirely from olive oil. A natural alternative to cyclopentasiloxane, ideal for providing a smooth and silky afterfeel as well as conditioning for hair and skin.	Liquid	COSMOS approved
BergaCare FG Olive Squalane	Squalane	1–35 % in leave-on and rinse-off			+++	++	An outstanding natural emollient that is 100 % olive based, non-GMO and up-cycled, providing excellent skin conditioning properties with quick absorption for a conditioned finish after application. In contrast to other oils it is non-comedogenic, prevents moisture loss, and consequently prevents dryness lines, for a younger appearance of the skin.	Liquid	COSMOS approved ISO 16128: Ino = 1
BergaCare IN2	Isononyl Isononanoate				+++	++	Emollient with a rich and creamy but non-greasy feel. Excellent solubility and compatibility in a variety of ingredients such as esters, volatile silicones, mineral, and vegetable oils.	Liquid	ISO 16128: Ino = 0
BergaCare THX	Triethylhexanoin				+++	++	Emollient with a very soft and light skin feel. Perfect in sun care and decorative formulations due to its high spreadibility and solvent activity.	Liquid	ISO 16128: Ino = 0

= Cold-processable = Hot-processable = Spray bottle = Pipette = Tube = Jar

Spreadability and Polarity Scales:
+++ High | ++ Medium | + Low

Emulsifiers

Emulsions are among the most frequently used systems in the cosmetic world for combining oil components with other aqueous and partially moisturizing components. The great advantage of emulsions is that they provide the skin with both lipids and moisture, and can therefore offer good care for a healthy skin. Consistency and texture largely determine the form in which the emulsion is presented, i.e. whether it is a milky lotion or a rich cream, how stable it is, and what it looks like. To produce stable emulsions, depending on the formulation suitable emulsifiers and possibly co-emulsifiers with amphiphilic properties are required, whose interactions also influence the texture and sensory properties of the system. The choice and composition of the lipophilic phase are likewise important.

Oil-in-water emulsions are the most common types of emulsion, in contrast to water-in-oil emulsions. The latter typically provide a very rich feeling on the skin.



"Emulsifier-free" products are becoming increasingly popular for reasons of better skin compatibility and the desire for novelties to present to consumers. Solid particles such as fibers are suitable for "Pickering emulsions" in order to live up to this claim and still be able to produce stable systems from the two phases of water and oil. They contain insoluble fiber and water-soluble colloids. The BergaMuls product range includes different raw material concepts and formulation ideas based on vegetable and natural fibers.

Product Name	INCI	Use Concentration	Processing	Formulated Textures and Viscosities	Description	HLB	Form	Certifications
BergaCare 165	PEG-100 Stearate / Glyceryl Stearate	1–5 %			Non-ionic o/w emulsifier.	11	Solid	
BergaCare EM-HE 7	PEG-7 Glyceryl Cocoate	0.5–7 %			Non-ionic surface agent with emulsifying properties. Soluble in water and ethanol, acts as an emollient with good conditioning properties on the skin.	12	Liquid	ISO 16128: Ino = 1
BergaCare GS 40	Glyceryl Stearate				Natural o/w co-emulsifier for broad application purposes. Can also be used as a viscosity enhancer or stabilizing agent in water in oil emulsions.	4	Solid	COSMOS approved ISO 16128: Ino = 1
BergaCare GS SE	Glyceryl Stearate, Self-emulsifying	2–5 %			Anionic, self-emulsifying o/w emulsifier. Can be used as main emulsifier with a higher pH level in the finished product or as co-emulsifier within the 5-6 pH range.	6	Solid	ISO 16128: Ino = 1
BergaMuls ET 1	Beta Glucan, Pectin	1–5 % as emulsifier or thickener Up to 8 % as thickener in face masks			Synergistic blend of soluble and insoluble fibers to create stable pickering emulsions, which are known to be especially mild and friendly to the skin. Additional stabilization is provided by the hydrocollodial network in the external o/w emulsion phase.	n.a.	Solid	COSMOS approved, NaTrue approved ISO 16128: Ino = 1
BergaMuls ET 2	Cellulose, Cyamopsis Tetragonoloba (Guar) Gum, Beta-Glucan	1–3 % as emulsifier			Fiber blend with synergistic effects. When used as an o/w emulsifier it creates systems ranging from light cream-gels with smaller oil phase to classic cream textures when combined with further stabilizing agents.	n.a.	Solid	ISO 16128: Ino = 1
BergaSom Sun 75 H	Hydrogenated Lecithin	1–3 %			Sunflower-based hydrogenated phosphatidylcholine fractions for restoring skin barrier function and providing co-emulsifying properties, for sophisticated sensory qualities and an improved skin feel.	10–12	Powder	COSMOS approved, ISO 16128: Ino = 1
BergaSom Sun 90 H	Hydrogenated Lecithin	1–3 %			Sunflower-based hydrogenated phosphatidylcholine fractions for restoring skin barrier function and providing co-emulsifying properties, for sophisticated sensory qualities and an improved skin feel.	10–12	Powder	COSMOS approved, ISO 16128: Ino = 1
BergaSom Soy 75 H	Hydrogenated Lecithin	1–3 %			Soy-based hydrogenated phosphatidylcholine fractions for restoring skin barrier function and providing co-emulsifying properties, for sophisticated sensory qualities and an improved skin feel.	10–12	Powder	ISO 16128: Ino = 1
BergaSom Soy 90 H	Hydrogenated Lecithin	1–3 %			Soy-based hydrogenated phosphatidylcholine fractions for restoring skin barrier function and providing co-emulsifying properties, for sophisticated sensory qualities and an improved skin feel.	10–12	Powder	ISO 16128: Ino = 1

= Cold-processable = Hot-processable = Spray bottle = Pipette = Tube = Jar

Conditioning Agents

Conditioning agents are auxiliary substances in cosmetic formulations and are mainly used in hair care products. They are intended to ensure that the hair can be combed well after washing, both wet and dry, as well as providing shine and a healthy appearance to the hair. Conditioning polymers, other cationic substances, or silicone oils are often used. Although these adsorb well onto the hair, they can weigh it down or result in a build-up effect, especially on fine hair. In addition, they are sometimes classified as bio-accumulative.

Modern emollients and blends of different conditioning esters such as **BergaCare** products offer good alternatives to traditional conditioners.



Product Name	INCI	Use Concentration	Processing	Formulated Textures and Viscosities	Description	HLB	Form	Certifications
BergaBest MCT Oil 60/40	Caprylic / Capric Triglyceride	5–35 % depending on application			Natural medium-spreading emollient suitable for various kinds of skin and hair care formulations. It is medium to high polar and provides the skin with intensive care, protecting it from drying out by means of its natural fatty acid.	n.a.	Liquid	COSMOS approved ISO 16128: Ino = 1
BergaBest MCT Oil 70/30	Caprylic / Capric Triglyceride	5–35 % depending on application			Natural medium-spreading emollient suitable for various kinds of skin and hair care formulations. It is medium to high polar and provides the skin with intensive care, protecting it from drying out by means of its natural fatty acid.	n.a.	Liquid	COSMOS approved ISO 16128: Ino = 1
BergaBest MCT Oil 60/40 Coconut based	Caprylic / Capric Triglyceride, Coconut based	5–35 % depending on application			Natural medium-spreading, medium to high polar emollient suitable for various kinds of skin and hair care formulations.	n.a.	Liquid	COSMOS approved ISO 16128: Ino = 1
BergaCare EM-14	Isopropyl Myristate				An emollient with a high gliding effect in beauty products. It is a moisturizer with medium polar and fast spreading properties that is used in skin care to improve skin absorption.	n.a.	Liquid	COSMOS approved ISO 16128: Ino = 0.8
BergaCare EM-16	Isopropyl Palmitate	5–35 % depending on application			An emollient with excellent UV and pigment dispersions properties. In products it gives a soft feel and enhances their moisturizing effect.	n.a.	Liquid	COSMOS approved ISO 16128: Ino = 0.8
BergaCare EM-AB	C12–C15 Alkyl Benzoate				An emollient ester used in skin care, sun care and color cosmetics to improve feel, softness, and disperse sunscreen agents.	n.a.	Liquid	ISO 16128: Ino = 0
BergaCare EM-SN	Cetearyl Nonanoate				An emollient that smooths and softens the skin. Suitable for sun care and color cosmetics, as it gives a velvety touch.	n.a.	Liquid	ISO 16128: Ino = 0.7

= Cold-processable = Hot-processable = Spray bottle = Pipette = Tube = Jar



Product Name	INCI	Use Concentration	Processing	Formulated Textures and Viscosities	Description	HLB	Form	Certifications
BergaCare FG Olive	Hydrogenated Ethylhexyl Olivate, Hydrogenated Olive Oil Unsaponifiables	1–35 % in leave-on and rinse-off			Emollient blend combining the conditioning properties of ethylhexyl olivate fatty acid ester and squalane derived entirely from olive oil. A natural alternative to cyclopentasiloxane, and an ideal component for providing a smooth and silky after-feel as well as conditioning for hair and skin.	n.a.	Liquid	COSMOS approved ISO 16128: Ino = 1
BergaCare FG M12	Coco Caprylate / Caprate, Dodecane, Citrullus Lanatus (Watermelon) Seed Oil	1–35 % in leave-on and rinse-off	Up to max. 75 °C		Combines functionality and care to offer a natural and volatile alternative to silicone oils while providing an outstanding skin feel. The Kalahari melon seed oil is very rich in essential fatty acids and also contains further natural anti-oxidants which leave the skin well cared-for and supple. The unique combination of dry vegetable oil, alkane and ester oils makes BergaCare FG M12 the ideal choice for skin care applications.	n.a.	Liquid	COSMOS approved ISO 16128: Ino = 1
BergaCare FG L11	Undecane, Tridecane, Hydrogenated Olive Oil Unsaponifiables, Coco Caprylate / Caprate	1–35 % in leave-on and rinse-off	Up to max. 75 °C		A functional replacement for highly volatile silicone oils, yet readily biodegradeable. It spreads quickly and gives a dry luxury after-feel due to its instant absorption. It has excellent skin conditioning properties due to its high olive squalene content. In decorative cosmetic products it is suitable for dispersing pigments or fillers.	n.a.	Liquid	COSMOS approved ISO 16128: Ino = 1
BergaCare FG Olive Squalane	Squalane	1–35 % in leave-on and rinse-off			An outstanding natural emollient. 100 % olive-based, non-GMO and up-cycled, providing excellent skin conditioning properties with quick absorption for a conditioning finish after application. In contrast to other oils it is non-comedogenic and prevents moisture loss, and consequently prevents dryness lines, for a younger appearance of the skin.	n.a.	Liquid	COSMOS approved ISO 16128: Ino = 1
BergaCare THX	Triethylhexanoin				An emollient with a very soft and light skin feel. Perfect in sun care and decorative formulations due to its high spreadability and solvent activity.	n.a.	Liquid	ISO 16128: Ino = 0,2
BergaMuls ET 1	Beta Glucan, Pectin	1–5 % as emulsifier or thickener Up to 8 % as thickener in face masks			Synergistic blend of soluble and insoluble fibers to create stable pickering emulsions, which are known to be especially mild and friendly to the skin. Additional stabilization is provided by the hydrocollodial network in the external o/w emulsion phase.	n.a.	Solid	COSMOS approved, NaTrue approved ISO 16128: Ino = 1
BergaMuls ET 2	Cellulose, Cyamopsis Tetragonoloba (Guar) Gum, Beta-Glucan	1–3 % as emulsifier			Fiber blend with synergistic effects. When used as o/w emulsifier it creates systems ranging from light cream-gels with smaller oil phase to classic cream textures when combined with further stabilizing agents.	n.a.	Solid	COSMOS approved, NaTrue approvable ISO 16128: Ino = 1
BergaSom Sun 75 H	Hydrogenated Lecithin	1–3 %			Sunflower-based hydrogenated phosphatidylcholine fractions for restoring skin barrier function and providing co-emulsifying properties, for sophisticated sensory qualities and improved skin feel.	10–12	Powder	COSMOS approved, ISO 16128: Ino = 1
BergaSom Sun 90 H	Hydrogenated Lecithin	1–3 %			Sunflower-based hydrogenated phosphatidylcholine fractions for restoring skin barrier function and providing co-emulsifying properties, for sophisticated sensory qualities and improved skin feel.	10–12	Powder	COSMOS approved, ISO 16128: Ino = 1
BergaSom Soy 75 H	Hydrogenated Lecithin	1–3 %			Soy-based hydrogenated phosphatidylcholine fractions for restoring skin barrier function and providing co-emulsifying properties, for sophisticated sensory qualities and improved skin feel.	10–12	Powder	ISO 16128: Ino = 1
BergaSom Soy 90 H	Hydrogenated Lecithin	1–3 %			Soy-based hydrogenated phosphatidylcholine fractions for restoring skin barrier function and providing co-emulsifying properties, for sophisticated sensory qualities and improved skin feel.	10–12	Powder	ISO 16128: Ino = 1

= Cold-processable = Hot-processable = Spray bottle = Pipette = Tube = Jar

Solubilizers and Surfactants

Surfactants play a special role in the field of skin and body care. In the case of emulsions, surfactants such as emulsifiers are responsible for kinetically stably combining two immiscible components such as water and oil for a limited period of time. However, if a surfactant is used for cleaning purposes, such as in shower gels, liquid soaps, bubble baths, or cleansing milk, different properties are required. **BergaSoft** surfactants are characterized by their good skin compatibility and ready biodegradability, which is why they are also used in natural cosmetic products.

Their alkyl polyglucosides are particularly gentle to the skin while still providing good cleansing performance. Furthermore, due to their structure as non-ionic surfactants, they are well suited as co-surfactants or solubilizers for the incorporation of small amounts of lipophilic substances.



Product Name	INCI	Use Concentration	Processing	Formulated Textures and Viscosities	Description	Active matter	Form	Certifications
BergaCare Pearl	Glycol Stearate	1-5 %			BergaCare Pearl is a monoster mixture of glycerin and stearic acid. It is used as an emollient, surfactant, and emulsifier, as a pearling agent in shampoos, liquid soaps, bath and shower gels.	n.a.	Solid	
BergaCare Pearl 2	Glycol Distearate	1-5 %			BergaCare Pearl 2 is a diester mixture of glycerin and stearic acid used as an emollient, surfactant, and emulsifier. It may also be used to impart a pearlescent appearance to formulas like shampoos or shower creams, as it gives products a brilliant and remarkable pearling effect.	n.a.	Solid	
BergaSoft CCG 60	Caprylyl / Capryl Glucoside	1-20 % as main or co-surfactant			Very mild and natural non-ionic surfactant, readily biodegradable and compatible with other surfactant types that do not adversely affect skin or hair quality. Caprylyl / capryl glucoside can also act as a solubilizer or co-emulsifier in leave-on and rinse-off products, to create low-viscosity yet stable o/w emulsions like milks, lotions, and creamy cleansers.	≥ 60	Liquid	COSMOS approved ISO 16128: Ino = 1
BergaSoft CCG 65	Caprylyl / Capryl Glucoside	1-20 % as main or co-surfactant			Very mild and natural non-ionic surfactant, readily biodegradable and compatible with other surfactant types that do not adversely affect skin or hair quality. Caprylyl / capryl glucoside can also act as a solubilizer or co-emulsifier in leave-on and rinse-off products, to create low-viscosity yet stable o/w emulsions like milks, lotions, and creamy cleansers.	62-65	Liquid	COSMOS approved ISO 16128: Ino = 1
BergaSoft CCG 70	Caprylyl / Capryl Glucoside	1-20 % as main or co-surfactant			Very mild and natural non-ionic surfactant, readily biodegradable and compatible with other surfactant types that do not adversely affect skin or hair quality. Caprylyl / capryl glucoside can also act as a solubilizer or co-emulsifier in leave-on and rinse-off products, to create low-viscosity yet stable o/w emulsions like milks, lotions, and creamy cleansers.	≥ 70	Liquid	COSMOS approved ISO 16128: Ino = 1
BergaSoft CCG 70 L	Caprylyl / Capryl Glucoside	1-20 % as main or co-surfactant			Very mild and natural non-ionic surfactant, readily biodegradable and compatible with other surfactant types that do not adversely affect skin or hair quality. Caprylyl / capryl glucoside can also act as a solubilizer or co-emulsifier in leave-on and rinse-off products, to create low-viscosity yet stable o/w emulsi-ons like milks, lotions, and creamy cleansers. The light version is especially suitable for transparent systems.	≥ 70	Liquid	COSMOS approved ISO 16128: Ino = 1
BergaSoft CG 50	Coco Glucoside	1-20 % as main or co-surfactant			Very mild and natural non-ionic surfactant, readily biodegradable and compatible with other surfactant types that do not adversely affect skin or hair quality. Coco glucoside ranges between lauryl and decyl glucoside in terms of viscosity foam building and stability.	≥ 50	Liquid	COSMOS approved ISO 16128: Ino = 1
BergaSoft DG 50	Decyl Glucoside	1-20 % as main or co-surfactant			Very mild and natural non-ionic surfactant, readily biodegradable and compatible with other surfactant types that do not adversely affect skin or hair quality. Decyl glucoside quickly provides good foaming while being relatively low-viscous and therefore easily pumpable.	≥ 50	Liquid	COSMOS approved ISO 16128: Ino = 1
BergaSoft LG 50	Lauryl Glucoside	2-20 % as main or co-surfactant			Very mild and natural non-ionic surfactant, readily biodegradable and compatible with other surfactant types that do not adversely affect skin or hair quality. Lauryl glucoside supports viscosity and provides stable and rich foams.	≥ 50	Liquid	COSMOS approved ISO 16128: Ino = 2
BergaSoft SCI 80	Sodium Cocoyl Isethionate	1-60 % as main or co-surfactant			Anionic and mild surfactant which good skin compatibility that creates very rich, stable, creamy foams. Sodium cocoyl istehionate acts as a suitable replacement for sulfates in liquid rinse-off formulations, with the advantage of easy thickening.	≥ 80	Needles, granules, powder	ISO 16128: Ino = 0.83

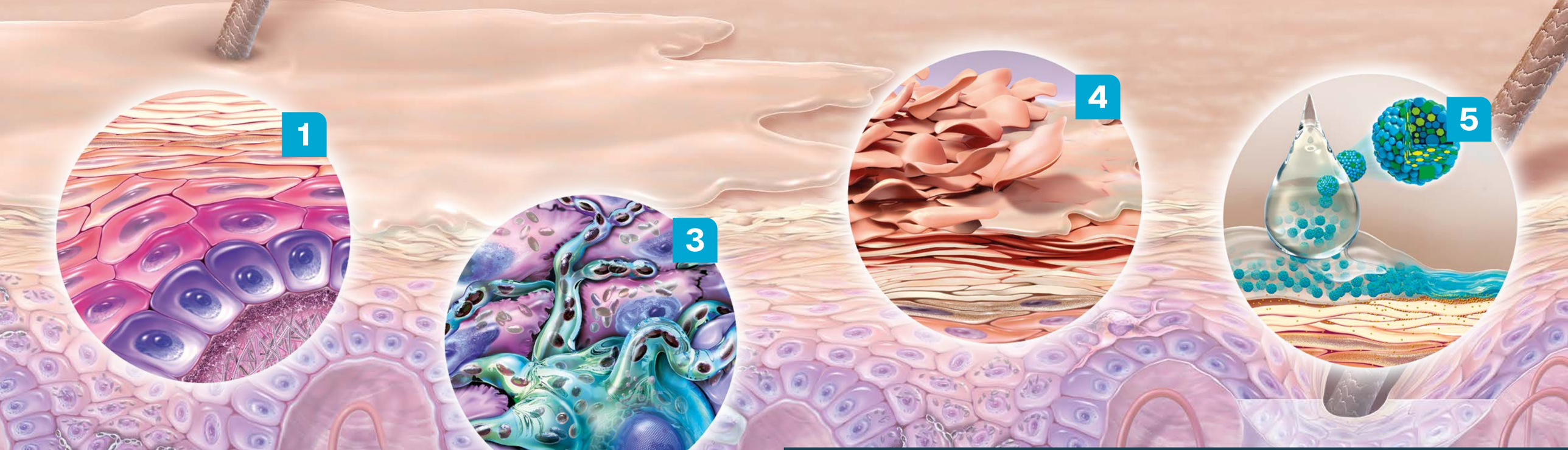
= Cold-processable = Hot-processable = Spray bottle = Pipette = Tube = Jar

Care Ingredients for Beautiful Skin

The epidermis is the outermost of the three layers that comprise the skin. It consists of skin cells arranged in layers, mostly keratinocytes. From proliferating cells at the bottom layer (stratum basale) to the terminally differentiated dead cells of the uppermost layer (stratum corneum), over several weeks they undergo a transformation called keratinization. The epidermis performs the essential role of protective barrier for the body against the outside world. Most active ingredients are unable to pass the epidermis or even the stratum corneum to reach their target due to many physiochemical hurdles.

Modern care ingredients help the skin to remain in a healthy state, or support the natural renewal process.





Healthy Skin Is Beautiful Skin

1 Improved Active Penetration

BergaCare SmartLipids are tiny solid “droplets” (< 1 µm in size), composed of many solid and liquid lipids, with active ingredients encapsulated within. They adhere perfectly to the skin surface and reinforce the natural skin barrier, while giving a controlled and prolonged release. Penetration of the active ingredients is further enhanced by the formation of a semi-occlusive patch in combination with the skin temperature. **BergaSom** enhances the penetration of actives thanks to its high affinity to skin lipids.

2 Whitening Through Reduction of Melanocyte Activity

Bakuchiol is a plant-derived functional analog of retinol that is known for its anti-aging efficacy. Furthermore, it can reduce dark spots and hyperpigmentation. A good and versatile delivery system can improve its solubility and penetration into the skin. The **BergaCare SmartLipids** carrier systems help bakuchiol penetrate the skin much better. It can reach the stratum basale to act on the melanocytes and inhibit melanin synthesis by blocking tyrosinase, a key enzyme in melanin biosynthesis.

3 Anti-Wrinkle Effect Through Maintenance of the ECM

Improving the quality of the extracellular matrix (ECM), a network of mainly collagen and elastin fibers, leads to more youthful skin and reduced wrinkles. **BergaCare SmartLipids Retinol, BergaCare SmartLipids Bakuchiol** and **BergaSom** are able (among many other beneficial effects) to positively influence the quality of the ECM via different biochemical pathways, including the inhibition of matrix metalloproteinases, which in turn inhibits the degradation of the ECM.

4 Promotion of Desquamation and Cell Turnover

The longer UVA rays penetrate deeper into the skin and lead to premature skin aging and contribute to the development of skin cancer. Desquamation and cell turnover are not able to function properly. BergaSun products protect against UV radiation and prevent skin cancer. To care for sunburned skin, the BergaCare FG range of natural, fast-absorbing silicone alternatives is the ideal choice.

5 Skin Barrier Protection

The skin barrier is of great importance for healthy skin. It protects the skin from outer aggressions and from losing too much moisture. **BergaCare SmartLipids Ceramide** provide valuable building blocks identical to those in the skin – ceramides, phyto-cholesterol and fatty acids – that make up the natural skin barrier. **BergaSom H** are high-tech phospholipids able to form 2D lamellar structures that strongly resemble the intercellular barrier lipids. **BergaMuls ET 1** is the ideal O/W emulsifier based on fruit and cereal fibre, and does not affect the skin barrier negatively like other common emulsifiers.

Actives and Delivery Systems

Active ingredients are used in cosmetic formulations to maintain or improve the physiology of the skin or hair. They can strengthen the skin barrier and thus the protective function of the skin, as ceramides do, for example, or penetrate further into the skin through the top layer to take on a metabolism-supporting function. The desired effect may be visible on the surface of the skin only later, for example when a whitening active ingredient takes effect. However, for active ingredients to reach their destination and develop their full effect, suitable carrier or delivery systems are often required. In addition to enhanced bioavailability, it is often also a question of improved skin tolerance, as in the case of retinol, or easier incorporation, as in the case of ceramides.

Liposomes are among the best-known and well-established carrier systems. These are small, spherical vesicles that can carry both lipophilic and hydrophilic active substances and make them available in the skin. The main building block of liposomes is phosphatidyl-choline, which can be obtained from soy or sunflower, such as the non-hydrogenated **BergaSom** products.

Other nano-disperse carrier systems, like the third generation of SmartLipids solid lipid nanoparticles, have become increasingly important over the past decade. In contrast to liposomes, they give improved bioavailability of active ingredients in the various skin layers and are highly stable, making them increasingly attractive to formulators and developers of cosmetic formulations. **BergaCare SmartLipids** can also carry higher concentrations of active ingredients. The focus here is more on the advantages of functional solutions for known and new active ingredients.



Product Name	INCI	Use Concentration	Processing	Formulated Textures and Viscosities	Description	Active matter (%)	Form	Certifications
BergaCare SmartLipids Bakuchiol	Aqua, Cetyl Palmitate, Bakuchiol, Pentylene Glycol, Glyceryl Behenate, Caprylic / Capric Triglyceride, Sodium Stearoyl Glutamate	1–10 % in leave-on products	Up to max. 40 °C Admix after cooling down		A water-dispersible suspension of encapsulated Bakuchiol. Bakuchiol is known to be a natural alternative to retinol which reduces fine lines and wrinkles, boosts skin elasticity and firmness, prevents lipid peroxidation, fights oxidative stress, reduces dark spots and hyper-pigmentation, and improves skin radiance. In-vivo proven efficacy.	4.75–5.25	Off-white to yellowish, aqueous suspesnion	ISO 16128: Ino = 1
BergaCare SmartLipids Ceramide Light	Aqua, Caprylic / Capric Triglyceride, Pentylene Glycol, Ceramide NP, Sodium Stearoyl Glutamate, Phytosterols, Ceramide AP, Stearic Acid, Oleic Acid, Palmitic Acid, Caprylyl Glycol, Propanediol, Glyceryl Caprylate	1–10 % in leave-on products	Up to max. 40 °C Admix after cooling down		Lipid encapsulated skin-identical molecules with submicron techno-logy that restores the natural skin barrier. Can be formulated in a variety of leave-on products like lotions, creams or serums. With ceramides being the number one ingredient to protect and strengthen the skin barrier, this ready-to-use carrier system permits working solely in cold-process, reduces formulation time and costs, and prevents the risk of re-crystalization.	2.75–3.25	White aqueous suspension	COSMOS approvable ISO 16128: Ino = 1
BergaCare SmartLipids Ceramide Plus	Aqua, Cetyl Palmitate, Bakuchiol, Pentylene Glycol, Glyceryl Behenate, Caprylic / Capric Triglyceride, Sodium Stearoyl Glutamate	1–10 % in leave-on products	Up to max. 40 °C Admix after cooling down		Lipid encapsulated ceramide AP and NP with a concentration of up to 7 % that restore and mimic the natural skin barrier. With ceramides being the number one ingredient to protect and strengthen the skin barrier, this ready-to-use carrier system permits working solely in cold-process, reduces formulation time and costs, and prevents the risk of re-crystalization.	6.5–7.5	White aqueous suspension	COSMOS approvable ISO 16128: Ino = 1

= Cold-processable = Hot-processable = Spray bottle = Pipette = Tube = Jar



Product Name	INCI	Use Concentration	Processing	Formulated Textures and Viscosities	Description	Active matter (%)	Form	Certifications
BergaCare SmartLipids Q10	Aqua, Cetyl Palmitate, Coenzyme Q10, Polyglyceryl-3 methylglucose Distearate, Caprylic / Capric Triglyceride, Phenoxyethanol / Ethylhexylglycerin	1–10 % in leave-on products	Up to max. 40 °C Admix after cooling down		Combines the well-known anti-aging active coenzyme Q10 (Ubichinon-10) and SmartLipids encapsualtion technology. The body‘s own coenzyme Q10 plays an essential role in cell supply and in the cell membranes. It acts as a biocatalyst in the body's cells and is a vital component of functioning metabolic processes. Bioavailability can be improved due to the lipid carrier system building a semi-occlusive film on the skin.	4.0–5.5	Yellow aqueous suspension	ISO 16128: Ino = 1
BergaCare SmartLipids Retinol	Aqua, Glyceryl Behenate Caprylic / Capric Triglyceride, Retinol, Polysorbate 20, Sodium Cocoamphoacetate, Pentylene Glycol, Pentaerythrityl Tetra-Di-T-Butyl Hydroxyhydrocinnamate	1–3 % in leave-on products	Up to max. 40 °C Admix after cooling down		The number one anti-aging and antioxidant active, with improved chemical stability due to the lipidic matrix, for reducing fine lines and wrinkles and enhancing pore refinement. The lipid encapsulation and with it the time-retarded and prolonged release of the active protect against skin redness and discomfort.	1.8–2.5	Yellow aqueous suspension	ISO 16128: Ino = 1
BergaCare AquaLipids Bisabolol AR	Aqua, Oryza Sativa (Rice) Bran Oil, Glycerin, Cetyl Palmitate, Glyceryl Behenate, Bisabolol, Pentylene Glycol, Phytosterols, Sodium Stearoyl Glutamate, Tocopherol, Helianthus Annuus (Sunflower) Seed Oil	1–10 % in leave-on products	Up to max. 40 °C Admix after cooling down		Contains alpha-bisabolol and rice bran oil. Bisabolol is known from chamomile for its anti-inflammatory effect, and promotes healing of the skin. Rice bran oil and phytosterols from sunflower provide additional soothing, especially on barrier-damaged skin.	15 % rice bran oil and alpha-bisabolol	White to off-white, aqueous suspension	COSMOS approvable ISO 16128: Ino = 1
BergaCare AquaLipids Cassis BR	Aqua, Glycerin, Cetyl Palmitate, Ribes Nigrum (Black Currant) Seed Oil, Rosa Moschata Seed Oil, Pentylene Glycol, Glyceryl Behenate, Hydrogenated Vegetable Oil, Sodium Stearoyl Glutamate, Tocopherol, Helianthus Annuus (Sunflower) Seed Oil	1–10 % in leave-on products	Up to max. 40 °C Admix after cooling down		Contains black currant seed oil and rosehip seed oil. Both contain especially high concentrations of alpha- and gamma-linolenic acids as well as linoleic acid. They readily penetrate the skin to strengthen its protective barrier and rebalance sebum production, making this the ideal combination for oily skin.	10 % black currant seed oil and rosehip seed oil	Off-white to greenish, aqueous suspension	COSMOS approvable ISO 16128: Ino = 1
BergaCare AquaLipids Melon BK	Aqua, Citrullus Lanatus (Watermelon) Seed Oil, Glycerin, Bulbine Frutescens Leaf Juice, Cetyl Palmitate, Glyceryl Behenate, Pentylene Glycol, Copernicia Cerifera Cera, Sodium Stearoyl Glutamate, Tocopherol, Helianthus Annuus (Sunflower) Seed Oil, Citric Acid	1–10 % in leave-on products	Up to max. 40 °C Admix after cooling down		Contains Kalahari melon seed oil and bulbine frutescens leaf juice. Kalahari melon seed oil contains a high proportion of linoleic acid, which helps the skin maintain its hydration, while bulbine frutescens leaf juice boosts collagen synthesis and has wound healing properties. Both ingredients are derived from very robust plants that can be found in the deserts of Southern Africa.	25 % Kalahari melon seed oil and bulbine frutescens leaf juice	White to off-white, aqueous suspension	COSMOS approvable ISO 16128: Ino = 1
BergaCare AquaLipids Punica PS	Aqua, Glycerin, Punica Granatum Seed Oil, Cetyl Palmitate, Pentylene Glycol, Glyceryl Behenate, Hippophae Rhamnoides Fruit Oil, Rhus Verniciflua Peel Cera, Sodium Stearoyl Glutamate, Tocopherol, Helianthus Annuus (Sunflower) Seed Oil	1–10 % in leave-on products	Up to max. 40 °C Admix after cooling down		Contains pomegranate and sea buckthorn seed oil. Pomegranate seed oil contains the highly beneficial punicic acid, which has a powerful antioxidant effect and thus helps counteract saging in mature skin. Sea buckthorn oil is rich in palmitoleic acid that acts regeneratively in aged skin.	10 % pomegranate seed oil and sea buckthorn oil	White to off-white, aqueous suspension	COSMOS approvable ISO 16128: Ino = 1
BergaSom Soy 75	Lecithin	1–3 %			Soy-based phosphatidylcholine fractions for penetration enhancement and cell renewal support. Also acts as a skin strengthening agent and improves the sebum quality of acne-prone skin.	≥ 70	Yellowish to brownish paste	ISO 16128: Ino = 1
BergaSom Soy 90	Lecithin	1–3 %			Soy-based phosphatidylcholine fractions for penetration enhancement and cell renewal support. Also acts as a skin strengthening agent and improves the sebum quality of acne-prone skin.	≥ 93	Yellowish paste	ISO 16128: Ino = 1
BergaSom Sun 75	Lecithin	1–3 %			Sunflower-based phosphatidylcholine fractions for penetration enhancement and cell renewal support. Also acts as a skin strengthening agent, and improves the sebum quality of acne-prone skin.	≥ 70	Brownish paste	COSMOS approved ISO 16128: Ino = 1
BergaSom Sun 90	Lecithin	1–3 %			Sunflower-based phosphatidylcholine fractions for penetration enhancement and cell renewal support. Also acts as a skin strengthening agent, and improves the sebum quality of acne-prone skin.	≥ 90	Yellowish paste	COSMOS approved ISO 16128: Ino = 1

= Cold-processable = Hot-processable = Spray bottle = Pipette = Tube = Jar

UV Filters

Healthy skin is beautiful skin. And these days, sunscreens are indispensable for protecting the health of the skin. Frequent and prolonged exposure of the skin to UV rays hugely accelerates the skin's aging process, and can cause skin cancer. UV radiation promotes the breakdown of collagen in the skin, which can lead to the formation of wrinkles or hyperpigmentation. Today, most skin care products contain UV filters that offer protection against UVA and UVB rays.

Sun protection is essential and should be part of the daily skincare routine. However, aesthetic aspects such as the appearance, smell, and sensory properties of cosmetic formulations with a sun protection factor also play an important role in consumer acceptance. Because well-being starts on the skin. **BergaSun** products offer an initial starting point for the development of modern formulations with sun protection.



Product Name	INCI	Use Concentration	Formulated Textures and Viscosities	Description	Active matter (%)	Form
BergaSun BEMT	Bis-Ethylhexyloxyphenol Methoxyphenyl Triazine	Up to 10 %		Effective, oil-soluble UVA and UVB broad spectrum filter. Very photostable, useful in stabilizing other less stable sunscreen agents.	≥ 95 %	Liquid
BergaSun DHHB	Diethylamino Hydroxybenzoyl Hexyl Benzoate	Up to 10 %		Oil-soluble, chemical UVA filter. Enables broadband protection when combined with effective UVB filters and can also contribute to SPF. Very photostable, good solubility, excellent formula flexibility.	≥ 98 %	Solid
BergaSun EHS	Ethylhexyl Salicylate	Up to 10 %		Effective, oil-soluble UVB filter. Easy integration into the oil phase of an emulsion or sunscreen formulation. Provides a pleasant, non-oily skin feel.	≥ 95 %	Liquid
BergaSun EHT	Ethylhexyl Triazone	Up to 5 %		Effective, oil-soluble UVB filter. High synergistic effects in combination with other UV filters.	≥ 95 %	Liquid

= Spray bottle = Tube = Jar

Butters, Fats & Waxes

Butter and waxes are mainly used in cosmetic formulations, together with an emulsifier and other oils and fats in the oil phase, to create caring emulsion products. They give consistency, stabilize, define the sensory properties of the product on the skin, and provide other fatty acids that nourish and soften the skin. **BergaCare SB** shea butter is one well-known example.



Product Name	INCI	Use Concentration	Processing	Formulated Textures and Viscosities	Description	Melting Point	Form	Certifications
BergaCare SB	Butyrospermum Parkii (Shea) Butter	1–20 % in leave-on and rinse-off			Shea trees grow naturally in the sub-sahelian vegetation belt in Africa. Shea nuts are sometimes called women's gold, as their collection is almost the only reliable source of income for local women. This natural emollient with its high unsaponifiable matter content brings many advantages to cosmetic products for skin and hair care, due to its valuable composition of fatty acids, natural tocopherols, allantoin, and beta-carotene, which is a precursor of vitamin A (retinol). BergaCare SB is produced by mechanical extraction and is therefore suitable for natural certified formulations.	30–34 °C	Solid paste	COSMOS approved ISO 16128: Ino = 1
BergaCare SB S	Butyrospermum Parkii (Shea) Butter	1–20 % in leave-on and rinse-off			Shea trees grow naturally in the sub-sahelian vegetation belt in Africa. Shea nuts are sometimes called women's gold, as their collection is almost the only reliable source of income for local women. This natural emollient with its high unsaponifiable matter content brings many advantages to cosmetic products for skin and hair care, due to its valuable composition of fatty acids, natural tocopherols, allantoin, and beta-carotene, which is a precursor of vitamin A (retinol).	30–34 °C	Solid paste	ISO 16128: Ino = 1

= Cold-processable = Hot-processable = Spray bottle = Pipette = Tube = Jar

Stabilizing Agents

To produce stable cosmetic formulations and products, formulators often require other stabilizing agents or consistency agents in addition to emulsifiers. **Fatty acids** such as stearic acid are particularly suitable here.

However, other substances such as fats or waxes can also increase the viscosity of the oil phase and thus help to stabilize the emulsion.



Product Name	INCI	Description	Form	Certifications
BergaCare FG Gel	Hydrogenated Ethylhexyl Olivate, Hydrogenated Castor Oil / Sebacid Acid Copolymer, Hydrogenated Olive Oil Unsaponifiables	Natural oil thickener for transparent and viscous oil gels, gel-creams and solid jelly textures. The ingredient is cold-processible and can be used in various leave-on and rinse-off formulations for skin or hair care concepts. Solid particles like pigments or mineral UV filters can easily be suspended and give stable results. Due to its good compatibilities with various oil types and its natural thixotropic behavior, it also allows for creating fancy products with honey-like or playful bouncing texture.	Gel	ISO 16128: Ino = 1 COSMOS approvable
BergaCare GS 40	Glyceryl Stearate	Natural o/w co-emulsifier for broad application choices. Can also be used as a viscosity enhancer or stabilizing agent in water in oil emulsions.	Solid	COSMOS approved ISO 16128: Ino = 1
BergaCare GS SE	Glyceryl Stearate Self-Emulsifying	Anionic, self-emulsifying o/w emulsifier. Can be used as the main emulsifier with a higher pH level in the finished product or as a co-emulsifier within the 5-6 pH range.	Solid	ISO 16128: Ino = 1
BergaCare AquaLipids Bisabolol AR	Aqua, Oryza Sativa Bran Oil, Glycerin, Cetyl Palmitate, Glyceryl Behenate, Bisabolol, Pentylene Glycol, Phytosterols, Sodium Stearoyl Glutamate, Tocopherol, Helianthus Annuus Seed Oil	Contains alpha-bisabolol and rice bran oil. Bisabolol is known from chamomile for its anti-inflammatory effect, and promotes healing of the skin. Rice bran oil and phytosterols from sunflower are additionally soothing, especially on barrier-damaged skin.	Liquid suspension	COSMOS approvable ISO 16128: Ino = 1
BergaCare AquaLipids Cassis BR	Aqua, Glycerin, Cetyl Palmitate, Ribes Nigrum Seed Oil, Rosa Moschata Seed Oil, Pentylene Glycol, Glyceryl Behenate, Hydrogenated Vegetable Oil, Sodium Stearoyl Glutamate, Tocopherol, Helianthus Annuus Seed Oil	Contains black currant seed oil and rosehip seed oil. Both have especially high concentrations of alpha- and gamma-linolenic acids as well as linoleic acid. They readily penetrate the skin to strengthen its protective barrier and rebalance sebum production, making this an ideal combination for oily skin.	Liquid suspension	COSMOS approvable ISO 16128: Ino = 1
BergaCare AquaLipids Melon BK	Aqua, Citrullus Lanatus Seed Oil, Bulbine Frutescens Leaf Juice, Glycerin, Cetyl Palmitate, Glyceryl Behenate, Pentylene Glycol, Copernicia Cerifera Cera, Sodium Stearoyl Glutamate, Tocopherol, Helianthus Annuus Seed Oil, Citric Acid	Contains Kalahari melon seed oil and bulbine frutescens leaf juice. Kalahari melon seed oil contains a high proportion of linoleic acid, which helps the skin maintain its hydration, while bulbine frutescens leaf juice boosts collagen synthesis and has wound healing properties. Both ingredients are derived from very robust plants that can be found in the deserts of Southern Africa.	Liquid suspension	COSMOS approvable ISO 16128: Ino = 1

= Cold-processable = Hot-processable

Product Name	INCI	Description	Form	Certifications
BergaCare AquaLipids Punica PS	Aqua, Glycerin, Punica Granatum Seed Oil, Cetyl Palmitate, Pentylene Glycol, Glyceryl Behenate, Hippophae Rhamnoides Fruit Oil, Rhus Verniciflua Peel Cera, Sodium Stearoyl Glutamate, Tocopherol, Helianthus Annuus Seed Oil	Contains pomegranate and sea buckthorn seed oil. Pomegranate seed oil contains the highly beneficial punicic acid, which has a powerful antioxidant effect and thus helps counteract skin ageing in mature skin. Sea buckthorn oil is rich in palmitoleic acid that acts regeneratively in aged skin.	Liquid suspension	COSMOS approvable ISO 16128: Ino = 1
BergaMuls ET 1	Beta Glucan, Pectin	Synergistic blend of soluble and insoluble fibers for creating stable pickering emulsions, which are known to be especially mild and friendly to the skin. Additional stabilization is provided by the hydrocollodial network in the external o/w emulsion phase.	Solid	COSMOS approved, NaTrue approved ISO 16128: Ino = 1
BergaMuls ET 2	Cellulose, Cyamopsis Tetragonoloba (Guar) Gum, Beta-Glucan	Fiber blend with synergistic effects. When used as an o/w emulsifier, it creates systems ranging from light cream-gels with smaller oil phase to classic cream textures when combined with further stabilizing agents.	Solid	ISO 16128: Ino = 1
BergaSom Soy 75 H	Hydrogenated Lecithin	Soy-based hydrogenated phosphatidylcholine fractions that restore the skin barrier function and provide co-emulsifying properties, for sophisticated sensory qualities and an improved skin feel.	Powder	ISO 16128: Ino = 1
BergaSom Sun 75 H	Hydrogenated Lecithin	Soy-based hydrogenated phosphatidylcholine fractions that restore the skin barrier function and provide co-emulsifying properties, for sophisticated sensory qualities and an improved skin feel.	Solid	COSMOS approved, ISO 16128: Ino = 1
Palmac 50-18 / Bergazid C1850	Stearic Acid	Used as a raw material in the production of detergents, surfactants, soaps, and cosmetics such as shampoos and shaving cream products.	White flakes / liquid	Kosher, halal RSPO MB available
Palmac 750 / Bergazid OA-1875	Oleic Acid	Serves as a key ingredient in skincare formulations, providing moisturizing and emollient properties that nourish and rejuvenate the skin.	Liquid	Kosher, halal RSPO MB available
Palmac 98-16 / Bergazid C1698	Palmitic Acid	Used in various applications such as hair care, cosmetics, soaps.	White flakes / liquid	Kosher, halal RSPO MB available
Palmac 98-18 / Bergazid C1898	Stearic Acid	Used as a raw material in the production of detergents, surfactants, soaps, and cosmetics such as shampoos and shaving cream products.	White flakes	Kosher, halal RSPO MB available
Palmac 99-12 / Bergazid C1299	Lauric Acid	Serves as a key ingredient in skincare products like creams, lotions, and soaps due to its excellent moisturizing properties.	White flakes / liquid	Kosher, halal RSPO MB available
Palmac 99-14 / Bergazid C1299	Myristic Acid	Used in various industries, including cosmetics, personal care products, and pharmaceuticals.	White flakes	Kosher, halal RSPO MB available
Sternoil 12-HSA	12-Hydroxystearic Acid	A saturated hydroxy fatty acid used as an emulsifier, solubilizer, or surfactant.	Flakes / powder	Kosher
Sternoil FSG	Ricinus Communis Seed Oil	A vegetable oil obtained by crushing and pressing the castor seed. It has good solvent properties and good skin adhesion.	Liquid	Kosher
Sternoil HCO 40	PEG-40 Hydrogenated Castor Oil	Used as an emulsifier, solubilizer or surfactant.	Pasty	Kosher
Sternoil Poly RA	Poly 12-Hydroxystearic Acid	Polymerized ricinoleic acid and used as an emulsifier, solubilizer or surfactant.	Liquid	
Sternoil RA	Ricinoleic Acid	Unsaturated fatty acid derived from castor oil and used as an emulsifier, solubilizer or surfactant.	Liquid	Kosher
Vegarol 1214 / Bergarol C1214	Lauryl Alcohol	Used in the water and oil phases to stabilize emulsions.	Liquid	
Vegarol 1216 / Bergarol C1216	Lauryl Alcohol	Used in the water and oil phases to stabilize emulsions.	Liquid	Halal RSPO MB available
Vegarol 1218 / Bergarol C1218	Lauryl Alcohol	Used in the water and oil phases to stabilize emulsions.	Liquid	
Vegarol 1618 TA / Bergarol C1618 TA	Cetearyl Alcohol	Acts as an opacifier, emollient, emulsion stabilizer, foam booster, and viscosity modifier.	White pastilles	Kosher, halal RSPO MB available
Vegarol 1618 50:50 / Bergarol C1618 50:50	Cetearyl Alcohol	Acts as an opacifier, emollient, emulsion stabilizer, foam booster, and viscosity modifier.	White pastilles	
Vegarol 1618 PS / Bergarol C1618 PS	Cetearyl Alcohol	Acts as an opacifier, emollient, emulsion stabilizer, foam booster, and viscosity modifier.	White pastilles	
Vegarol 16-89 / Bergarol C1689	Cetyl Alcohol	Acts as an opacifier, emollient, viscosity modifier, emulsion stabilizer, foaming- and masking agent. It modifies the consistency of the end product according to its purpose and provides skin conditioning properties.	White pastilles	
Vegarol 18-98 / Bergarol C1898	Stearyl Alcohol	Acts as a viscosity modifier, emulsifier, emollient, opacifier, foam booster, refatting- and masking agent. Possesses skin conditioning properties.	White pastilles	Kosher, halal RSPO MB available
Vegarol 2270 / Bergarol C2270	Behenyl Alcohol	Acts as an emollient, emulsion stabilizer, binding, conditioning and viscosity modifier.	White pastilles	
Vegarol 2280 / Bergarol C2280	Behenyl Alcohol	Acts as an emollient, emulsion stabilizer, binding, conditioning and viscosity modifier.	White pastilles	
Vegarol 2290 / Bergarol C2290	Behenyl Alcohol	Acts as an emollient, emulsion stabilizer, binding, conditioning and viscosity modifier.	White pastilles	Kosher, halal NaTrue approved

Our knowledge.
Your formulations.



Berg+Schmidt
Care Ingredients

Our knowledge. Your formulations.

Follow us on

STERNWYWIOL
Gruppe