



NATURE, PASSION AND SCIENCE

Cosmetics
Brochure
2023

CONTENTS



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 silicon alternatives and smart delivery systems. In addition, we provide basic cosmetic ingredients like esters, fatty alcohols, fatty acids, glycerine and shea butter.

As member of the Stern-Wywiol Group of Companies, one of the world's leading food ingredient manufacturers, we capitalise on the synergies of our corporation. In our laboratories inside the Stern-Technology Center in Ahrensburg – a science campus of 3,000 m² – we develop together with our colleagues from food ingredients division, new and innovative raw materials. Having access to modern technologies, we can support our international partners and customers on improving or testing existing formulations or developing 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 highest quality standards, sustainability and transparent communication with our employees, customers and suppliers.

Our products are manufactured by using most modern technologies, while our quality is constantly monitored under our QA systems and by external surveyors.



Overview by Product Name



Product Name	INCI/Description	Page
BergaBest MCT Oil 60/40	Caprylic/ Capric Triglyceride	10
BergaBest MCT Oil 60/40 Coconut based	Caprylic/ Capric Triglyceride	10
BergaBest MCT Oil 70/30	Caprylic/ Capric Triglyceride	10
BergaBest PGDE	Propylene Glycol Dicaprylate/Dicaprate	11
BergaBright SmartLipids Glabridin	Aqua, Cymbopogon Flexuosus Oil, Copernicia Cerifera (Carnauba) Wax, Sodium Stearoyl Glutamate, Cera Alba, Glycyrrhiza Glabra Root Extract, Phenoxxyethanol, Ethylhexylglycerin	19
BergaCare 165	PEG-100 Stearate/Glyceryl Stearate	13
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	21
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	21
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	21
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	21
BergaCare EM-14	Isopropyl Myristate	11
BergaCare EM-16	Isopropyl Palmitate	11
BergaCare EM-AB	C12-C15 Alkyl Benzoate	11
BergaCare EM-CO	Cetyl Octanoate	11
BergaCare EM-CP	Cetyl Palmitate	11
BergaCare EM-CSO	Cetearyl Octanoate	11
BergaCare EM-HE 7	PEG-7 Glyceryl Cocoate	13
BergaCare EM-LC	Coco Caprylate/Caprata	11
BergaCare EM-OC	Ethylhexyl Cocoate	11
BergaCare EM-OP	Ethylhexyl Palmitate	11
BergaCare EM-OS	Ethylhexyl Stearate	11
BergaCare EM-SN	Cetearyl Nonanoate	11
BergaCare FG L11	Undecane, Tridecane, Hydrogenated Olive Oil Unsaponifiables, Coco Caprylate/Caprata	11
BergaCare FG M12	Coco Caprylate/Caprata, Dodecane, Citrullus Lanatus Seed Oil	11
BergaCare FG Olive	Hydrogenated Ethylhexyl Oliviate, Hydrogenated Olive Oil Unsaponifiables	11
BergaCare GS 40	Glyceryl Stearate	13
BergaCare GS SE	Glyceryl Stearate, SE	13
BergaCare IN2	Isononyl Isononanoate	11
BergaCare Pearl	Glycol Stearate	15
BergaCare Pearl 2	Glycol Distearate	15
BergaCare SB	Butyrospermum Parkii Butter	25
BergaCare SB S	Butyrospermum Parkii Butter	25
BergaCare SmartLipids Bakuchiol	Aqua, Cetyl Palmitate, Bakuchiol, Pentylene Glycol, Glyceryl Behenate, Caprylic/Capric Triglyceride, Sodium Stearoyl Glutamate	19
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	19
BergaCare SmartLipids Ceramide Plus	Aqua, Caprylic/Capric Triglyceride, Ceramide NP, Sodium Stearoyl Glutamate, Ceramide AP, Pentylene Glycol, Phytosterols, Stearic Acid, Oleic Acid, Palmitic Acid, Caprylyl Glycol, Propanediol, Glyceryl Caprylate	19
BergaCare SmartLipids Q10	Aqua, Cetyl Palmitate, Ubiquinone, Polyglyceryl-3 methylglucose distearate, Caprylic/capric Triglyceride, Phenoxxyethanol, Ethylhexylglycerin	19

Product Name	INCI/Description	Page
BergaCare SmartLipids Retinol	Aqua, Glyceryl Behenate Caprylic/Capric Triglyceride, Retinol, Polysorbate 20, Sodium Cocoamphoacetate, Pentylene Glycol, Pentaerythrityl Tetra-di-t-butyl Hydroxyhydrocinamate	19
BergaCare THX	Triethylhexanoin	10
BergaMuls ET 1	Beta Glucan, Pectin	13
BergaSoft CCG 60	Caprylyl/Capryl Glucoside	15
BergaSoft CCG 65	Caprylyl/Capryl Glucoside	15
BergaSoft CCG 70	Caprylyl/Capryl Glucoside	15
BergaSoft CCG 70 L	Caprylyl/Capryl Glucoside	15
BergaSoft CG 50	Coco Glucoside	15
BergaSoft DG 50	Decyl Glucoside	15
BergaSoft LG 50	Lauryl Glucoside	15
BergaSoft SCG 22	Sodium Cocoyl Glycinate	15
BergaSoft SCI 80	Sodium Cocoyl Isethionate	15
BergaSom Soy 75	Lecithin	23
BergaSom Soy 75H	Hydrogenated Lecithin	13, 23
BergaSom Soy 90	Lecithin	23
BergaSom Soy 90H	Hydrogenated Lecithin	23
BergaSom Sun 75	Lecithin	23
BergaSom Sun 75H	Hydrogenated Lecithin	13, 23
BergaSom Sun 90	Lecithin	23
BergaSom Sun 90H	Hydrogenated Lecithin	23
GlyAcid® 70 HP	Glycolic Acid	27
GlyAcid® 99 HP	Glycolic Acid	27
Glycerin	Glycerin	9
GlySmart®	Glycolic Acid, Arginine	27
Palmac 40-16	Palmitic Acid	9
Palmac 50-16	Palmitic Acid	9
Palmac 50-18	Stearic Acid	9
Palmac 65-16	Palmitic Acid	9
Palmac 750	Oleic Acid	9
Palmac 98-16	Palmitic Acid	9
Palmac 98-18	Stearic Acid	9
Palmac 99-12	Lauric Acid	9
Palmac 99-14	Myristic Acid	9
Sternoil 12-HSA	12-Hydroxystearic acid	9
Sternoil CO 40	PEG-40 Castor Oil	9
Sternoil CP EP		9
Sternoil FSG		9
Sternoil HCO 40	PEG-40 Hydrogenated Castor Oil	9
Sternoil Poly 12-HSA	Poly 12-Hydroxystearic acid	9
Sternoil RA	Ricinoleic Acid	9
Vegarol 1214/Bergarol C1214	Lauryl-Myristyl Alcohol	9
Vegarol 1216/Bergarol C1216	Lauryl-Myristyl Alcohol with Cetyl	9
Vegarol 1218/Bergarol C1218	Lauryl-Myristyl Alcohol with Cetyl & Stearyl	9
Vegarol 1618 TA/Bergarol C1618	Cetostearyl Alcohol	9
Vegarol 1699/Bergarol C1699	Cetyl Alcohol	9
Vegarol 1895/Bergarol C1895	Stearyl Alcohol	9
Vegarol 18-98/Bergarol C1898	Stearyl Alcohol	9
Vegarol 2290/Bergarol C2290	Behenyl Alcohol	9

Overview by INCI Name



INCI/Description	Product Name	Page
12-Hydroxystearic acid	Sternoil 12-HSA	9
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	BergaCare AquaLipids Cassis BR	21
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	BergaCare AquaLipids Punica PS	21
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	BergaCare SmartLipids Ceramide Light	19
Aqua, Caprylic/Capric Triglyceride, Ceramide NP, Sodium Stearoyl Glutamate, Ceramide AP, Pentylene Glycol, Phytosterols, Stearic Acid, Oleic Acid, Palmitic Acid, Caprylyl Glycol, Propanediol, Glyceryl Caprylate	BergaCare SmartLipids Ceramide Plus	19
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	BergaCare AquaLipids Melon BK	21
Aqua, Cetyl Palmitate, Bakuchiol, Pentylene Glycol, Glyceryl Behenate, Caprylic/Capric Triglyceride, Sodium Stearoyl Glutamate	BergaCare SmartLipids Bakuchiol	19
Aqua, Cetyl Palmitate, Ubiquinone, Polyglyceryl-3 Methylglucose Distearate, Caprylic/Capric Triglyceride, Phenoxyethanol Ethylhexylglycerin	BergaCare SmartLipids Q10	19
Aqua, Cymbopogon Flexuosus Oil, Copernicia Cerifera (Carnauba) Wax, Sodium Stearoyl Glutamate, Cera Alba, Glycyrrhiza Glabra Root Extract, Phenoxyethanol, Ethylhexylglycerin	BergaBright SmartLipids Glabridin	19
Aqua, Glyceryl Behenate Caprylic/Capric Triglyceride, Retinol, Polysorbate 20, Sodium Cocoamphoacetate, Pentylene Glycol, Pentaerythrityl Tetra-di-t-butyl Hydroxyhydrocinnamate	BergaCare SmartLipids Retinol	19
Aqua, Oryza Sativa Bran Oil, Glycerin, Cetyl Palmitate, Glyceryl Behenate, Bisabolol, Pentylene Glycol, Phytosterols, Sodium Stearoyl Glutamate, Tocopherol, Helianthus Annuus Seed Oil	BergaCare AquaLipids Bisabolol AR	21
Behenyl Alcohol	Vegarol 2290/Bergarol C2290	9
Beta Glucan, Pectin	BergaMuls ET 1	13
Butyrospermum Parkii Butter	BergaCare SB	25
Butyrospermum Parkii Butter	BergaCare SB S	25
C12-C15 Alkyl Benzoate	BergaCare EM-AB	11
Caprylic/ Capric Triglyceride	BergaBest MCT Oil 60/40	10
Caprylic/ Capric Triglyceride	BergaBest MCT Oil 70/30	10
Caprylic/ Capric Triglyceride, coconut-based	BergaBest MCT Oil 60/40 Coconut-based	10
Caprylyl/Capryl Glucoside	BergaSoft CCG 60	15
Caprylyl/Capryl Glucoside	BergaSoft CCG 65	15
Caprylyl/Capryl Glucoside	BergaSoft CCG 70	15
Caprylyl/Capryl Glucoside	BergaSoft CCG 70 L	15
Castor Oil "First Special Grade"	Sternoil FSG	9
Cetearyl Nonanoate	BergaCare EM-SN	11
Cetearyl Octanoate	BergaCare EM-CSO	11
Cetostearyl Alcohol	Vegarol 1618 TA/Bergarol C1618	9
Cetyl Alcohol	Vegarol 1699/Bergarol C1699	9
Cetyl Octanoate	BergaCare EM-CO	11
Cetyl Palmitate	BergaCare EM-CP	11
Coco Caprylate/ Caprate (and) Dodecane (and) Citrullus Lanatus Seed Oil	BergaCare FG M12	11

INCI/Description	Product Name	Page
Coco Caprylate-Caprate	BergaCare EM-LC	11
Coco Glucoside	BergaSoft CG 50	15
Cold-pressed Castor Oil (EP-certified)	Sternoil CP EP	9
Decyl Glucoside	BergaSoft DG 50	15
Ethylhexyl Cocoate	BergaCare EM-OC	11
Ethylhexyl Palmitate	BergaCare EM-OP	11
Ethylhexyl Stearate	BergaCare EM-OS	11
Glyceryl Stearate	BergaCare GS 40	13
Glyceryl Stearate SE	BergaCare GS SE	13
Glycol Distearate	BergaCare Pearl 2	15
Glycol Stearate	BergaCare Pearl	15
Glycolic Acid	GlyAcid® 70 HP	27
Glycolic Acid	GlyAcid® 99 HP	27
Glycolic Acid, Arginine	GlySmart®	27
Glycerine	Glycerine	9
Hydrogenated Ethylhexyl Olivatate, Hydrogenated Olive Oil Unsaponifiables	BergaCare FG Olive	11
Hydrogenated Lecithin	BergaSom Soy 75H	13, 23
Hydrogenated Lecithin	BergaSom Sun 75H	13, 23
Hydrogenated Lecithin	BergaSom Sun 90H	23
Hydrogenated Lecithin	BergaSom Soy 90H	23
Isononyl Isononanoate	BergaCare IN2	11
Isopropyl Myristate	BergaCare EM-14	11
Isopropyl Palmitate	BergaCare EM-16	11
Lauric Acid	Palmac 99-12	9
Lauryl Glucoside	BergaSoft LG 50	15
Lauryl-Myristyl Alcohol	Vegarol 1214/Bergarol C1214	9
Lauryl-Myristyl Alcohol with Cetyl	Vegarol 1216/Bergarol C1216	9
Lauryl-Myristyl Alcohol with Cetyl & Stearyl	Vegarol 1218/Bergarol C1218	9
Lecithin	BergaSom Sun 75	23
Lecithin	BergaSom Sun 90	23
Lecithin	BergaSom Soy 75	23
Lecithin	BergaSom Soy 90	23
Myristic Acid	Palmac 99-14	9
Oleic Acid	Palmac 750	9
Palmitic Acid	Palmac 98-16	9
Palmitic Acid	Palmac 65-16	9
Palmitic Acid	Palmac 50-16	9
Palmitic Acid	Palmac 40-16	9
PEG-100 Stearate/Glyceryl Stearate	BergaCare 165	13
PEG-40 Castor Oil	Sternoil CO 40	9
PEG-40 Hydrogenated Castor Oil	Sternoil HCO 40	9
PEG-7 Glyceryl Cocoate	BergaCare EM-HE 7	13
Poly 12-Hydroxystearic acid	Sternoil Poly 12-HSA	9
Propylene Glycol Dicaprylate/ Dicaprate	BergaBest PGDE	11
Ricinoleic Acid	Sternoil RA	9
Sodium Cocoyl Glycinate	BergaSoft SCG 22	15
Sodium Cocoyl Isethionate	BergaSoft SCI 80	15
Stearic Acid	Palmac 50-18	9
Stearic Acid	Palmac 98-18	9
Stearyl alcohol	Vegarol 18-98/Bergarol C1898	9
Stearyl alcohol	Vegarol 1895/Bergarol C1895	9
Triethylhexanoin	BergaCare THX	10
Undecane (and) Tridecane (and) Hydrogenated Olive Oil Unsaponifiables (and) Coco-Caprylate/ Caprate	BergaCare FG L11	11

Oleochemicals

Oleochemicals such as fatty acids, fatty alcohols, castor oil derivatives and glycerine are derived from vegetable oils and fats. With more than 60 years of experience, bulk storages in Europe, repacking capabilities and distribution hubs all over the world, Berg+Schmidt emerged to a global player in oleochemicals for the personal care industry.

Fatty Acids

PRODUCT NAME	INCI	CARBON CHAIN LENGTH	APPEARANCE	MELTING RANGE	PACK SIZES
Palmac 99-12	Lauric Acid	C12 min. 99 %	White flakes / liquid	42-44 °C	25 kg bags, bulk, IBC, drum
Palmac 99-14	Myristic Acid	C14 min. 99 %	White flakes	52-54 °C	25 kg bags
Palmac 98-16	Palmitic Acid	C16 min. 98 %	White flakes / liquid	61-63 °C	25 kg bags, bulk, IBC, drum
Palmac 65-16	Palmitic Acid	C16 min. 65 %	White flakes	55-63 °C	25 kg bags
Palmac 50-16	Palmitic Acid	C16 min. 50 %	White flakes / liquid	55-58°C	25 kg bags
Palmac 40-16	Palmitic Acid	C16 > 40 %		not specified	25 kg bags
Palmac 50-18	Stearic Acid	C18 = 50 %	White flakes / liquid	67-69 °C	25 kg bags
Palmac 98-18	Stearic Acid	C18 min. 98 %	White flakes	67-69 °C	25 kg bags
Palmac 750	Oleic Acid	C18:1 = 72 %	Liquid		bulk, IBC, drum

Fatty Alcohols

PRODUCT NAME	INCI	CARBON CHAIN LENGTH	APPEARANCE	MELTING RANGE	PACK SIZES
Vegarol 1214/Bergarol C1214	Lauryl Alcohol	C12-C14	White pastilles	17-23 °C	25 kg bags
Vegarol 1216/Bergarol C1216	Lauryl Alcohol	C12-C16	White pastilles	18-25 °C	25 kg bags
Vegarol 1218/Bergarol C1218	Lauryl Alcohol	C12-C18	White pastilles	18-28 °C	25 kg bags
Vegarol 1699/Bergarol C1699	Cetyl Alcohol	C16	White pastilles	47-50 °C	25 kg bags
Vegarol 18-98/Bergarol C1898	Stearyl Alcohol	C18 > 98%	White pastilles	55-58 °C	25 kg bags
Vegarol 1895/Bergarol C1895	Stearyl Alcohol	C18 min. 95% min	White pastilles	55-59 °C	25 kg bags
Vegarol 1618 TA/Bergarol C1618	Cetostearyl Alcohol	C16-C18	White pastilles	48-52 °C	25 kg bags
Vegarol 2290/Bergarol C2290	Behenyl Alcohol	C22	White pastilles	not specified	25 kg bags

Castor Oil Derivatives

PRODUCT NAME	DESCRIPTION	APPEARANCE	PACK SIZES
Sternoil FSG	Castor Oil "First Special Grade"	Liquid	bulk, IBC, drum
Sternoil CP EP	Cold pressed Castor Oil (EP certified)	Liquid	bulk, IBC, drum
Sternoil 12-HSA	12-Hydroxystearic Acid	Flakes or powder	std. pack. 25kg bag, multiple big bags
Sternoil Poly 12-HSA	Poly 12-Hydroxystearic Acid	Liquid	bulk, IBC, drum
Sternoil RA	Ricinoleic Acid	Clear, viscous liquid	bulk, IBC, drum
Sternoil CO 40	PEG-40 Castor Oil	Liquid	bulk, IBC, drum
Sternoil HCO 40	PEG-40 Hydrogenated Castor Oil	Pasty	

Glycerine

PRODUCT NAME	INCI	CARBON CHAIN LENGTH	PACK SIZE
Glycerine	Glycerine	99.5% min. EP/USP	bulk, IBC, drum

Emollients

Sustainable ingredients, derived from vegetable oils, which offer manifold possibilities for the optimization of cosmetic formulations. The emollient and emulsifying properties of our multifunctional ester range provide performance to formulators and safety to consumers. We give our customers knowledgeable advice on developing and optimizing recipes and custom formulations.

The texture of a product is extremely important for consumers because it influences their sense of wellbeing and attractiveness. More and more, the trend in the market is to natural silicone alternatives. The BergaCare FG range offers a valuable selection of different emollient blends based on highly functional ester oils, natural hydrocarbons from olive and alkanes as well as valuable vegetable oils. The synergistic blends provide outstanding sensorial experiences like high spreading or silky afterfeels in skin care formulations and good conditioning effects in various hair care products. This combination of ingredients contributes to a gentle skin feeling and penetrates quickly.



PRODUCT NAME	INCI	FORM	DESCRIPTION	SPREADABILITY	POLARITY	NATURALITY	ISO 16128 IN INO IO IOO
BergaBest MCT Oil 60/40	Caprylic/ Capric Triglyceride	Liquid	Natural medium spreading emollient suitable for various kinds of skin and hair care formulations. +D4;D2o	Medium	High	COSMOS-approved	o 1 o o
BergaBest MCT Oil 70/30	Caprylic/ Capric Triglyceride	Liquid	Natural medium spreading emollient suitable for various kinds of skin and hair care formulations.	Medium	High	COSMOS-approved	o 1 o o
BergaBest MCT Oil 60/40 Coconut based	Caprylic/ Capric Triglyceride, coconut based	Liquid	Natural medium spreading emollient suitable for various kinds of skin and hair care formulations.	Medium	High	COSMOS-approved	o 1 o o
BergaCare THX	Triethylhexanoin	Liquid	Emollient that makes the skin nice and smooth, aka emollient providing a pleasant non-sticky, non-greasy feel to it, gives formulas smooth application properties and also helps moisture retention.	High	Medium	-	o o.2 o o

PRODUCT NAME	INCI	FORM	DESCRIPTION	SPREADABILITY	POLARITY	NATURALITY	ISO 16128 IN INO IO IOO
BergaBest PGDE	Propylene Glycol Dicaprylate/ Dicaprate	Liquid	Low-viscous and light-weight emollient with excellent skin smoothing and conditioning properties.	Medium	High	-	o o.8 o o
BergaCare EM-14	Isopropyl Myristate	Liquid	Perfect emollient, thickener, and lubricant in beauty products as well as moisturizer with polar characteristics used in cosmetics and topical medical preparations to ameliorate skin absorption.	High	Medium	-	o o.8 o o
BergaCare EM-16	Isopropyl Palmitate	Liquid	Emollient, moisturizer, thickening agent, and anti-static agent. It helps products feel soft and it strengthens their moisturizing effect.	High	Medium	-	o o.8 o o
BergaCare EM-OC	Ethylhexyl Cocoate	Liquid	Acts as an emollient, to soften dry or rough skin and enhance its appearance.	Medium - High	Medium	-	-
BergaCare EM-OP	Ethylhexyl Palmitate	Liquid	Functions in cosmetics products as an emollient, texture enhancer, and solvent.	Medium - High	Medium	-	o o.7 o o
BergaCare EM-OS	Ethylhexyl Stearate	Liquid	Commonly used as an emollient to deliver skin-softening properties and a smooth after feel. It acts as a lubricant on skin's surface to help lock in moisture.	Medium - High	Medium	-	o o.7 o o
BergaCare EM-CO	Cetyl Octanoate	Liquid	An emollient skin care ingredient that helps skin retain moisture	Medium	Medium	-	o o.7 o o
BergaCare EM-CP	Cetyl Palmitate	Solid	Used as occlusive and masking ingredient. Enhances emulsion stability. Excellent film former. Reduces greasy feel of oil systems.		Medium	-	o 1 o o
BergaCare EM-CSO	Cetearyl Octanoate	Liquid	A synthetic emollient oil that leaves a soft non-greasy, non-sticky feel on the skin, absorbs fast and can be emulsified very easily.	High	Medium	-	o o.7 o o
BergaCare EM-SN	Cetearyl Nonanoate	Liquid	Emollient which smooths and softens the skin, and hair conditioner which leaves hair easy to comb, soft and shiny. It also confers volume.	Medium	Medium	-	o o.7 o o
BergaCare EM-LC	Coco Caprylate-Caprate	Liquid	A naturally-derived, biodegradable cosmetic ingredient certified by Ecocert as a replacement for cyclic silicones in skincare formulations.	High	High	-	o 1 o o
BergaCare IN2	Isononyl Isononanoate	Liquid	Emollient ester 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.	High	Medium	-	o o o o
BergaCare EM-AB	C12-C15 Alkyl Benzoate	Liquid	Emollient ester used in skin care, sun care and colour cosmetics to improve feel, softness, disperse sunscreen agents.	Low	Medium	-	o o o o

PRODUCT NAME	INCI	FORM	DESCRIPTION	SPREADABILITY	POLARITY	NATURALITY	ISO 16128 IN INO IO IOO
BergaCare FG Olive	Hydrogenated Ethylhexyl Oliviate, Hydrogenated Olive Oil Unsaponifiables	liquid	A natural D5 silicone replacement which is 100% from olive origin. This vegan, light weight emollient gives a smooth and silky after-feel and excellent conditioning properties for hair and skin.	Medium	High	COSMOS-approved	o 1 o o
BergaCare FG M12	Coco Caprylate/ Caprate, Dodecane, Citrullus Lanatus Seed Oil	liquid	A medium volatile and caring silicone alternative that offers special skin benefits due its rich antioxidant linoleic acid source, Kalahari Melon Seed Oil.	Medium - High	Medium	COSMOS-approved	o 1 o o
BergaCare FG L11	Undecane, Tridecane, Hydrogenated Olive Oil Unsaponifiables, Coco Caprylate/Caprate	liquid	A highly volatile, natural emollient. It spreads quickly and leads to a dry luxury after-feel due to its instant absorption. It offers excellent skin conditioning properties due its olive Squalane content.	High	Low	COSMOS-approved	o 1 o o

Emulsifiers

Vegetable fibres, lecithin fractions and esters



Besides physical and chemical properties, modern emulsifiers must also meet other demands, like biodegradability, natural origin and environment-friendly manufacture. To address all these requirements, Berg+Schmidt has developed a multifunctional vegetable solution. BergaMuls ET 1 is based on vegetable fibres that simulta-

neously emulsify, thicken and moisturize. It is easy to process, and is all-natural. It can be used in all formulations where you want to make an oil-in-water emulsion without the need for a co-emulsifier.

PRODUCT NAME	INCI	FORM	DESCRIPTION	MELTING RANGE	HLB VALUE	NATURALITY	ISO 16128 IN INO IO IOO
BergaCare GS 40	Glyceryl Stearate	Solid	Natural o/w emulsifier for broad application choices.	57-63 °C	~ 4	COSMOS-approved	0 1 0 0
BergaCare GS SE	Glyceryl Stearate Self-emulsifying	Solid	Self-emulsifying o/w emulsifier.	57-59 °C	~ 6	-	0 1 0 0
BergaCare 165	PEG-100 Stearate/ Glyceryl Stearate	Solid	Non-ionic o/w emulsifier.	~52 °C	~ 11	-	-
BergaCare EM-HE 7	PEG-7 Glyceryl Cocoate	Liquid	Non-ionic o/w emulsifying agent with good skin conditioning properties.	n.a.	~ 12	-	0 0.5 0 0

PRODUCT NAME	INCI	FORM	DESCRIPTION	HLB VALUE	NATURALITY	ISO 16128 IN INO IO IOO
BergaMuls ET 1	Beta Glucan, Pectin	Powder	A plant-based solution for a variety of functions including emulsifying, thickening, moisturizing and sensory enhancement.	n.a.	COSMOS and NaTrue-approved	1 1 0 0
BergaSom Sun 75H	Hydrogenated Lecithin	Powder	Hydrogenated phosphatidylcholine fractions to restore the skin barrier function provides emulsifying and co-emulsifying properties with sophisticated sensory properties.	~ 12	COSMOS-approved	0 1 0 0
BergaSom Soy 75H	Hydrogenated Lecithin	Powder	Hydrogenated phosphatidylcholine fractions to restore the skin barrier function provides emulsifying and co-emulsifying properties with sophisticated sensory properties.	~ 12	-	0 1 0 0



Mild surfactants and pearling agents

BergaSoft and BergaCare Pearl



Today's consumers are looking for eco-friendly cosmetics compatible with their sense of responsibility for themselves and the planet. Sulphate-free remains a growing trend, and there is a demand among cosmetics manufacturers for green ingredients with a high level of efficacy that are gentle

to the skin and hair. In addition to those market requirements, modern surfactants must offer good washing and high foaming performance, and they should allow easy processing in quality formulations. We offer the ideal answer with our BergaSoft range of surfactants.

Nonionic Surfactants

PRODUCT NAME	INCI	FORM	DESCRIPTION	NATURALITY	ISO 16128 IN INO IO I00
BergaSoft CG 50	Coco Glucoside	Liquid		COSMOS and NaTrue- approved	0 1 0 0
BergaSoft DG 50	Decyl Glucoside	Liquid	Extremely mild and natural nonionic surfactant with excellent foaming properties for clear formulations.	COSMOS and NaTrue- approved	0 1 0 0
BergaSoft LG 50	Lauryl Glucoside	Liquid		COSMOS and NaTrue- approved	0 1 0 0
BergaSoft CCG 60	Caprylyl/Capryl Glucoside	Liquid		COSMOS-approved	0 1 0 0
BergaSoft CCG 65	Caprylyl/Capryl Glucoside	Liquid	Extremely mild and natural nonionic surfactant with solubilizing properties.	COSMOS-approved	0 1 0 0
BergaSoft CCG 70	Caprylyl/Capryl Glucoside	Liquid		-	0 1 0 0
BergaSoft CCG 70 L	Caprylyl/Capryl Glucoside	Liquid		COSMOS approved	0 1 0 0

Also available in RSP0 Mass Balance.

Anionic Surfactants

PRODUCT NAME	INCI	FORM	DESCRIPTION
BergaSoft SCI 80	Sodium Cocoyl Isethionate	Solid	Mild surfactant for solid or liquid formulations with rich and luxurious foams. Needles, granules and powder form available.
BergaSoft SCG 22	Sodium Cocoyl Glycinate	Liquid	Transparent to pale yellowish liquid with 22% active matter.



Pearling Agents

PRODUCT NAME	INCI	FORM	DESCRIPTION	MELTING RANGE	HLB VALUE
BergaCare Pearl	Glycol Stearate	Solid	Monoster mixture of glycerin and stearic acid used as an emollient, surfactant, and emulsifier. May also be used to impart a pearlescent appearance to a formula.	52-63 °C	~ 5
BergaCare Pearl 2	Glycol Distearate	Solid	Diester mixture of glycerin and stearic acid used as an emollient, surfactant, and emulsifier. May also be used to impart a pearlescent appearance to a formula.	60-65 °C	~ 3

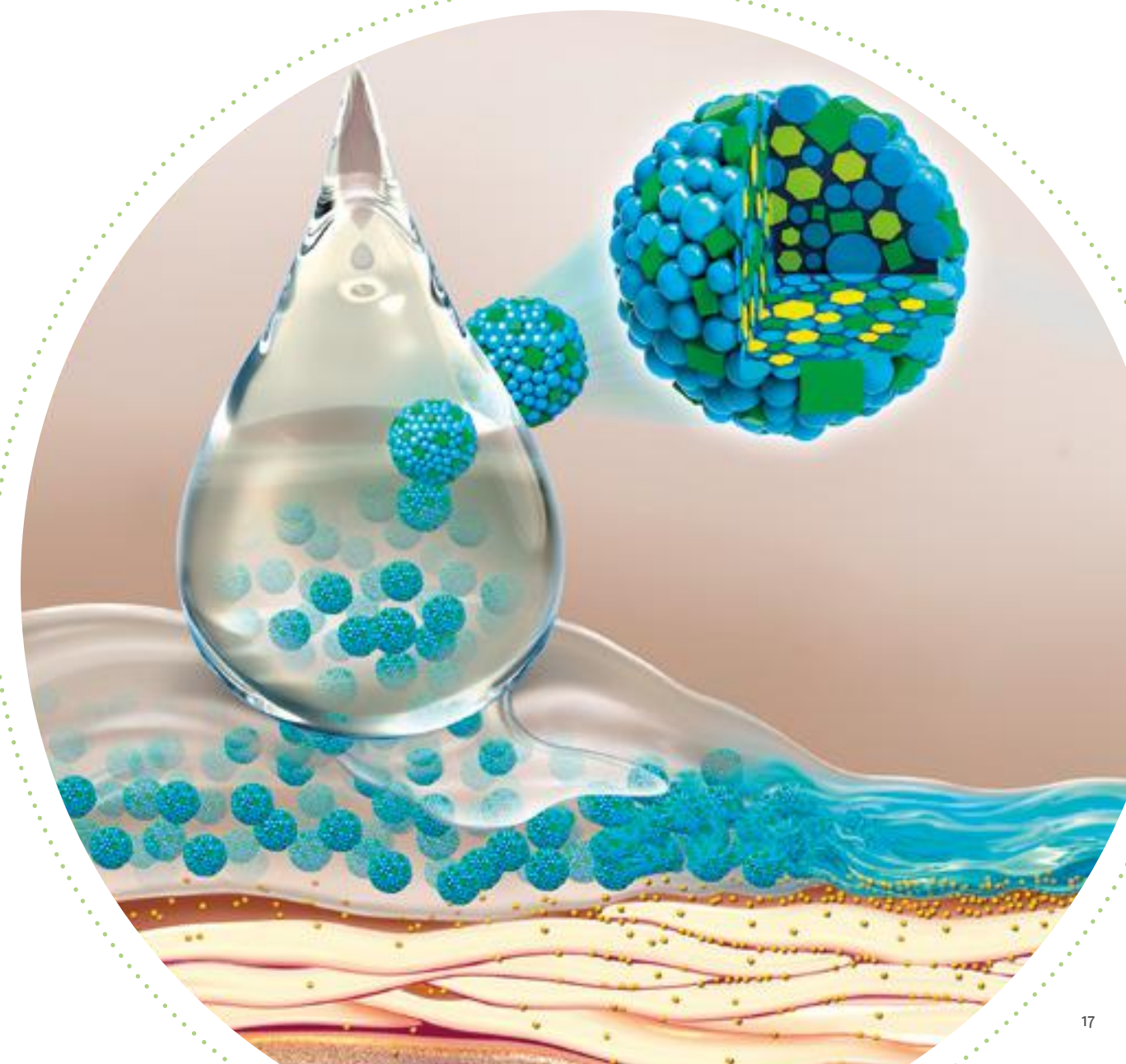
Delivery Systems

BergaCare SmartLipids



SmartLipids are submicron particles consisting of a complex mix of solid and liquid fat compounds. They are carefully selected to give an imperfect crystal structure, so that lipophilic actives can be encapsulated and protected within them. Their melting point is higher than skin temperature, providing a high level of protection of your sensitive actives and their targeted and sustained release. SmartLipids can support and restore the natural skin barrier, and enhance the penetration and bio-availability of your dermally active raw materials. Due to their small submicron size and lipophilic nature, they adhere well to the skin and ensure prolonged release of the encapsulated active. BergaCare SmartLipids range includes well-known anti-aging compounds with enhanced efficacy (retinol and coenzyme Q10) and various skin bar-

rier building blocks (ceramides), while BergaBright SmartLipids consist of an encapsulated whitening agent (glabridin with lemongrass oil). We are continuously enlarging our SmartLipids portfolio. BergaCare SmartLipids/BergaBright SmartLipids adhere well to the skin due to their small submicron size, extending the release of the active, enhancing penetration through their occlusive effect, and helping restore the damaged skin barrier. The active is able to diffuse into the skin with the help of the concentration gradient and occlusivity as a driving force. After diffusing into the skin layers, the active can deploy its full biological effect and is metabolized at the same time, thus maintaining the concentration gradient. In this manner, each submicron particle gradually releases its active reservoir.



Efficacy and Performance

BergaCare SmartLipids



PRODUCT NAME	INCI	FORM	DESCRIPTION	NATURALITY	ISO 16128 IN INO IO IOO
BergaCare SmartLipids Bakuchiol	Aqua, Cetyl Palmitate, Bakuchiol, Pentylene Glycol, Glyceryl Behenate, Caprylic/Capric Triglyceride, Sodium Stearoyl Glutamate	Liquid suspension	Water-dispersible suspension of encapsulated Bakuchiol. Bakuchiol reduces fine lines and wrinkles, boosts elasticity and firmness, prevents lipid peroxidation, fights oxidative stress, reduces dark spots/ hyperpigmentation, and improves skin radiance.	/	0 1 0 0 Ino 99%
BergaCare SmartLipids Retinol	Aqua, Glyceryl Behenate, Caprylic/Capric Triglyceride, Retinol, Polysorbate 20, Sodium Cocoamphoacetate, Pentylene Glycol, Pentaerythrityl Tetra-di-t-butyl Hydroxyhydrocinnamate	Liquid suspension	Number 1 anti-aging and antioxidant active to reduce fine lines and wrinkles, enhances pore refinement. Improved chemical stability and tolerability through lipid encapsulation.	/	0 1 0 0 Ino 93%
BergaCare SmartLipids Ceramide Plus	Aqua, Caprylic/Capric triglyceride, Ceramide NP, Sodium Stearoyl Glutamate, Ceramide AP, Pentylene Glycol, Phytosterols, Stearic Acid, Oleic Acid, Palmitic Acid, Caprylyl Glycol, Propanediol, Glyceryl Caprylate	Liquid suspension	Lipid encapsulated skin-identical molecules with submicron technology that restore the natural skin barrier. Higher loading of Ceramides than BergaCare SmartLipids Ceramide Light.	COSMOS*	0 1 0 0
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	Liquid suspension	Lipid encapsulated skin-identical molecules with submicron technology that restore the natural skin barrier.	/	0 1 0 0 Ino 99,94%
BergaCare SmartLipids Q10	Aqua, Cetyl Palmitate, Ubiquinone, Polyglyceryl-3 Methylglucose Distearate, Caprylic/Capric Triglyceride, Phenoxyethanol, Ethylhexylglycerin	Liquid suspension	Well-known anti-aging and anti-oxidant active with improved bioavailability and stability by the use of encapsulation technology.	/	0 1 0 0 Ino 99%
BergaBright SmartLipids Glabridin	Aqua, Cymbopogon Flexuosus Oil, Copernicia Cerifera (Carnauba) Wax, Sodium Stearoyl Glutamate, Cera Alba, Glycyrrhiza Glabra Root Extract, Phenoxyethanol, Ethylhexylglycerin	Liquid suspension	Natural, powerful and well-known whitening active from licorice extract with increased skin penetration, enhanced bioavailability and improved solubility within formulation.	/	0 1 0 0 Ino 99%

*in progress



A new era of functionality

BergaCare AquaLipids



In contrast to base oils, active oils are characterized by high proportions of vitamins, antioxidants and polyunsaturated fatty acids for enhanced regenerative and cosmetic effects. BergaCare AquaLipids are technically advanced for ease of use of the valuable but sensitive active ingredients. As they are water-dispersible, new formulations can be designed quickly and therefore cost-effectively, or simply added to existing formulations for added functional benefits. The active oils of BergaCare AquaLipids are not chemically modified and all are of natural origin. Moreover, they readily mix with water without the need for solubilizers, thus enhancing skin compatibility and reducing the foaming sensation during application.

BergaCare AquaLipids Cassis BR contains a combination of blackcurrant and rosehip seed oil, resulting in a high content of polyunsaturated fatty acids, e.g. gamma, alpha-linolenic and linoleic acids. This special composition promises improvement in the regulation of sebum production and anti-inflammatory effects, along with a pleasant skin feel and fast absorption. This product can also be used for oily skin products.

Pomegranate seed oil contains the highly beneficial punonic acid, which has a powerful antioxidant effect and thus helps counteract skin aging in mature skin. It also contains numerous skin regenerating substances such as phytosterols, polyphenols and flavonoids. This valuable oil is processed into **BergaCare AquaLipids Punica PS** along with skin-regenerating sea buckthorn oil.

BergaCare AquaLipids Bisabolol AR is designed for sensitive skin, and has anti-inflammatory and anti-bacterial properties. Key ingredients are an oily extract with a high concentration of alpha-bisabolol, a chamomile-derived molecule, and soothing rice bran oil.

BergaCare AquaLipids Melon BK contains the valuable oil of the Kalahari melon. With its extremely high linoleic acid content, it provides valuable building blocks for the development of the skin barrier and supports epidermal moisturization and hydration. The second key ingredient in this new product is bulbine frutescens leaf juice, which supports elasticity and collagen production, making it ideal for dry, thirsty skin.

PRODUCT NAME	INCI	FORM	DESCRIPTION	NATURALITY
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	Liquid suspension	Blackcurrant 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 it the ideal combination for oily skin.	in progress
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	Liquid suspension	Pomegranate seed oil contains the highly beneficial punonic acid, which has a powerful antioxidant effect and thus helps counteract skin ageing in mature skin. It also contains numerous skin regenerating substances such as phytosterols, polyphenols and flavonoids. Sea buckthorn oil is rich in palmitoleic acid that acts regenerative in aged skin.	in progress
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	Liquid suspension	Bisabolol is known from chamomile for its anti-inflammatory effect and also promotes the healing of skin. Rice bran oil and phytosterols from sunflower act additionally soothing, especially on barrier-damaged skin.	in progress
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	Liquid suspension	While Kalahari Melon Seed Oil contains a high proportion of linoleic acid, which helps the skin maintain its hydration, 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.	in progress

Purified Phosphatidylcholine

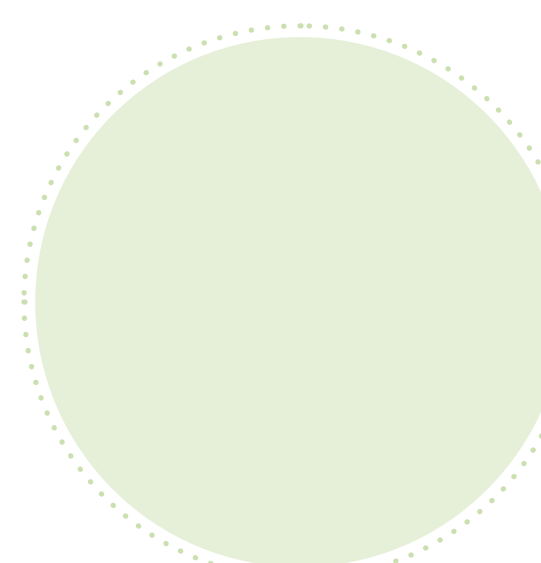
BergaSom



Phosphatidylcholine is a valuable phospholipid type derived from lecithin. As an important building block for biological membranes, it is involved in many biological processes and can provide beneficial effects, especially on the skin when used in cosmetic formulations. Depending on the type and grade, this versatile ingredient can act as

emulsifier, co-emulsifier, delivery system or active ingredient. It is rich in essential fatty acids, which are important elements for the treatment of acne-prone skin or as a precursor for the production of the skin's own ceramides to ensure a natural and well-functioning skin barrier.

PRODUCT NAME	INCI	FORM	DESCRIPTION	NATURALITY	ISO 16128 IN INO IO IOO
BergaSom Sun 75	Lecithin	Paste	Sunflower-based phosphatidylcholine fractions for penetration enhancement and a supported cell renewal. It also acts as skin strengthening agent and improves the sebum quality of acne-prone skin	COSMOS approved	1 1 0 0
BergaSom Sun 90	Lecithin	Paste		COSMOS approved	1 1 0 0
BergaSom Sun 75H	Hydrogenated Lecithin	Powder	Sunflower-based hydrogenated phosphatidylcholine fractions to restore the skin barrier function and to provide co-emulsifying properties for sophisticated sensory qualities and an improved skin feel.	COSMOS approved	0 1 0 0
BergaSom Sun 90H	Hydrogenated Lecithin	Powder		COSMOS approved	0 1 0 0
BergaSom Soy 75	Lecithin	Paste	Soy-based phosphatidylcholine fractions for penetration enhancement and a supported cell renewal. It also acts as skin strengthening agent and improves the sebum quality of acne-prone skin.	-	1 1 0 0
BergaSom Soy 90	Lecithin	Paste		-	1 1 0 0
BergaSom Soy 75H	Hydrogenated Lecithin	Powder	Soy-based hydrogenated phosphatidylcholine fractions to restore the skin barrier function and to provide co-emulsifying properties for sophisticated sensory qualities and an improved skin feel.	-	0 1 0 0
BergaSom Soy 90H	Hydrogenated Lecithin	Powder		-	0 1 0 0



Shea Butter – timeless beauty ingredient

BergaCare SB



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 women. Berg+Schmidt takes particular care in the selection of raw materials for the manufacture of the BergaCare Shea Butter range. We are present on site in Africa, in

order to ensure an optimal supply in terms of both quality and quantity. The refining of our Shea Butter is carried out in Europe. With our modern storage facility and technically advanced refinery we are able to offer reliable and flexible delivery at competitive prices throughout the world.

PRODUCT NAME	INCI	FORM	DESCRIPTION	NATURALITY	ISO 16128
BergaCare SB	Butyrospermum Parkii Butter	Solid paste	A natural emollient with a high content of unsaponifiable matter. The controlled production guarantees premium quality.	COSMOS-approved	1 1 0 0
BergaCare SB S	Butyrospermum Parkii Butter	Solid paste		-	1 1 0 0



High-purity glycolic acid and new bonding technology

Supplied by CrossChem

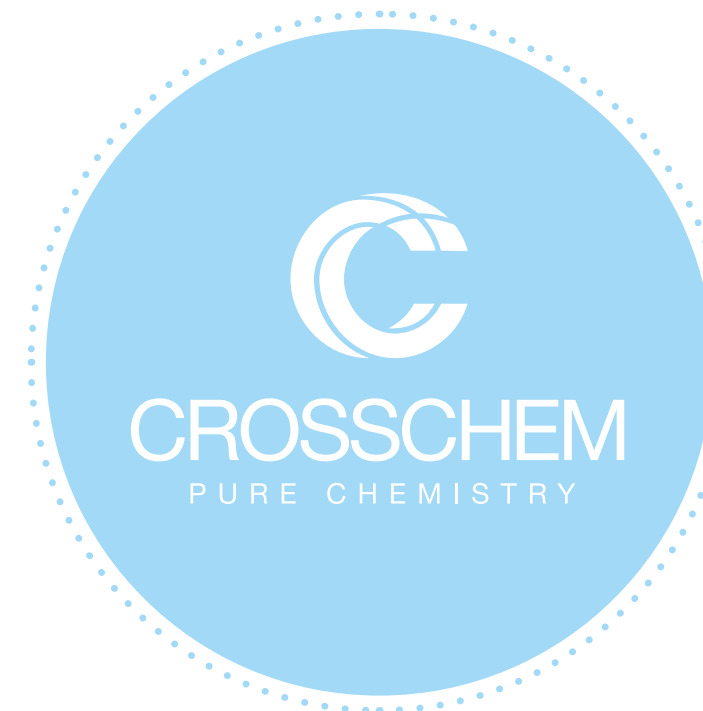


For more than 40 years, glycolic acid has been predominately produced either by the carbonylation of formaldehyde or with glycolonitrile as a starting material. Both processes leave residual traces of formaldehyde in the finished commercial pro-

duct. By contrast, CrossChem's GlyAcid® is produced using a proprietary acid saponification and purification process that does not use formaldehyde, while delivering a high-purity glycolic acid for today's personal care formulations.

PRODUCT NAME	INCI	FORM	DESCRIPTION	ACTIVE MATTER
GlyAcid® 70 HP	Glycolic Acid	Clear liquid	A high purity, formaldehyde-free Glycolic Acid acting as exfoliating agent (AHA), diminishes wrinkles and the appearance of pores, provides outstanding hair care properties.	≥70% in water
GlyAcid® 99 HP	Glycolic Acid	Clear crystals	A high purity, formaldehyde-free Glycolic Acid acting as exfoliating agent (AHA), diminishes wrinkles and the appearance of pores, provides outstanding hair care properties.	≥ 99%

PRODUCT NAME	INCI	FORM	DESCRIPTION	ACTIVE MATTER
GlySmart®	Glycolic Acid, Arginine	Clear liquid	An amphoteric ionic complex containing Glycolic Acid and Arginine for a smarter, gentler exfoliating experience.	64% Glycolic acid, 10% arginine in water





HEADQUATER

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