

PRODUCTS FOR THE PERSONAL CARE INDUSTRY



PRODUCT PROTECTION

.....
CATALOG 2020



FOREWORD

Dear Customer,

Welcome to Evonik's Product Protection catalog. Building on the reputation of the past, it features Dr. Straetmans as Evonik's future brand for competences and solutions in stabilizing cosmetic formulations against the deteriorating effects of microorganism and oxygen.

Besides a broad range of service offers, it comprises an extensive range of modern preservation systems, innovative actives against a variety of microbiologically caused skin disorders, effective natural antioxidant and chelating agents.

Together with the Evonik specialty ingredients for Personal Care and the Evonik Active Ingredients catalogs, the present catalog provides you access to one of the most comprehensive portfolios of functional and active raw materials in the cosmetic industry.

Evonik invites you to dive into a whole world of ideas, concepts and solutions for your tomorrow's product.

**MORE INFORMATION
ON EVONIK PRODUCTS
CAN BE FOUND IN THE
Active Ingredients Catalog
AND IN THE
Catalog of Products.**

HIGHLIGHTS

PAGE 28

PAGE 12

PAGE 18

TEGODEO® A30 eco

Find out about our latest extension to the **TEGODEO®** range: combining high efficacy in odor absorption and easier processing with natural compliance.

DERMOSOFT® AND VERSTATIL®
RECOMMENDATION SHEET

Find out about your options for alternative antimicrobial protection or economic and convenient preservation.

dermosoft® 250 eco

Our known aromatic alcohol with pH independent, synergistic antimicrobial properties is now available in a natural certification compliant quality!

THE CLOSEST
INSIGHT
intoBeauty®

into beauty.evonik.com

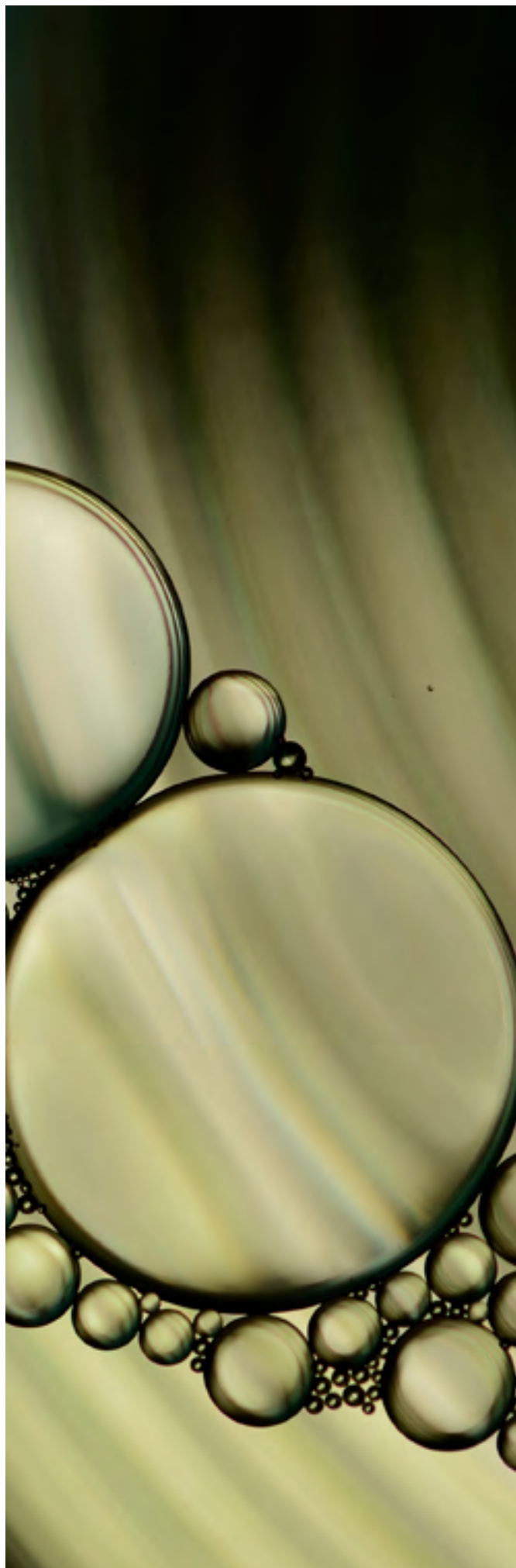
CONTAINS
CAREtain® Toolbox

Explore our products and gain exclusive insights with your direct access.
All the tools to manage the complexity of beauty together in one platform.
Available 24/7 to help you keep the lead and ensure commercial success.



CONTENT

2	Foreword
6	Service
8	Sustainability: Because it's personal
10	MULTIFUNCTIONAL ANTIMICROBIALS & PRESERVATIVES
12	Recommendation Sheet
14, 16, 18	dermosoft® Product Range
20, 22	Verstatil® Product Range
24	ANTIMICROBIAL SKIN ACTIVES & DEODORANTS
26	Antimicrobial Skin Actives
28	Deodorant Actives
30	ANTIOXIDANTS & CHELATORS
32	Chelating Agents & Product Protection Antioxidants
34	Skin Protection Antioxidants
34	Natural Organic Additives
36, 38	Index



SERVICE

High quality raw materials are just one factor to successful product development. Knowledge and support when formulating with them is also key to bring your ideas to market as fast as possible.

Having in-house, proven experts with many years of experience, Evonik Dr. Straetmans offers the complete package of services, to help guarantee your development success.

OUR MICROBIOLOGICAL SERVICES INCLUDE:

Microbiological challenge testing according to Pharm. Eur. 2011, 5.1.3 or any other protocol

- Proof of sufficient preservation according to cosmetic regulation 1223/2009/EC
- Periodic performance updates
- Full reports and interpretation of results

Identification of microbiological contamination by molecular biological method

- Recommendations of preservative measures against specific organisms
- Customer designed challenge testing against specific microorganisms
- Claim substantiation for targeted application

OUR PRODUCT DEVELOPMENT AND QUALITY CARE SERVICES INCLUDE:

Product development

- Detailed formulation advice for all Evonik Dr. Straetmans raw materials
- Prototype formulations with proven stability and claims

Quality care

- Stability testing
- Quality control of production

OUR REGULATORY SERVICES INCLUDE E.G.:

- Formulation guidance according to natural cosmetic guidelines
- Country specific formulation and regulatory advice
- Advice in product registration according to local legislation
- ... and this is just a small part of what we offer. Let us know how we can support your product innovation!

WORKSHOP TRAINING SERVICE:

- For customers and partners
- Enhance the knowledge transfer
- Present new applications technology
- Tailor-made customer sessions
- Skin Care workshops

FOR FURTHER
INFORMATION PLEASE
CONTACT:
SALES-DRS@EVONIK.COM



SUSTAINABILITY: BECAUSE IT'S PERSONAL

OUR ATTITUDE TOWARDS SUSTAINABILITY

Our products are extremely personal – consumers quite literally put them on their skin – which means the ingredients are of the greatest importance. We're always striving to come up with better, more beneficial and nourishing formulas – so that consumers can fully experience and maintain their natural beauty. And it's this same attitude that we bring to the environment: to respect, nourish, preserve and enhance. Consumers, too, are clearly concerned about issues such as biodiversity loss, ocean littering and the over-exploitation of natural resources. No longer an abstract future scenario, this is a tangible reality even today, and for each and every one of us. Consumers today know their choices make a difference for the protection and beauty of both their skin and the natural world. At Evonik, we dedicate our research and development to indirectly enabling consumers to make a positive impact – for their personal wellbeing and that of the planet.

As a company, we're fully conscious of the impact our activities have on the environment and society. Sustainability aspects are involved within all business decisions and there's always scope for innovative new solutions.

CARE Solutions clearly aims for:

- Carbon neutral processes
- Fair and ethical business practices
- Products for environmental friendly cosmetics

This is why we've been working to move sustainability concerns to the core of our business activities – and to reconcile them with our business objectives. When it comes to our business processes, product portfolio and the raw materials we use, we're convinced that adopting a proactive rather than reactive stance to sustainability will benefit consumers just as much as society and the planet.

THE CAREtain® TOOLBOX OFFERS FULL TRANSPARENCY

Our most important objective – and greatest challenge – is to create and maintain transparency. Only transparency allows us to identify non-sustainable areas in the value chain and improve them effectively. While our efforts may not necessarily be visible to end consumers, we do our part to create differentiation options for cosmetics manufacturers, and the choices these manufacturers make are ultimately passed down to consumers.

Our **CAREtain® Toolbox** is a dynamic, ever-growing information system which has allowed us to quantify, qualify and make tangible our sustainability attitude – for our clients and us as a company. The toolbox currently maps the most important sustainability aspects with impact on sourcing, processing and application for our cosmetics ingredients. It includes such categories as RSPO-certified, biodegradability, COSMOS status, vegan and origin.

With the **CAREtain® Toolbox**, Evonik aims to create transparency as well as a sustainable edge regarding its products and raw materials – and to provide its clients with an instrument for developing their own eco-optimized products.

For further information, please visit us on:
www.evonik.com/caretain

MULTIFUNCTIONAL ANTIMICROBIALS & PRESERVATIVES



INNOVATIVE RAW MATERIALS FOR ALTERNATIVE AND ECONOMIC PRESERVATION

Since many years, preservatives are subject to intense marketing and safety discussions. As a result, several standard preserving systems are facing public depreciation, legal restrictions or even prohibition. Consequently, for formulators the number of approved systems to cope with the legal demand of bringing microbiologically stable products to the market is declining steadily.

While several years ago, alternative strategies such as the use of multifunctional antimicrobials have only been curiosities or interesting options, today, the use of these components as integral part of a preservation concept has become indispensable.

Under the trade name **dermosoft®**, Evonik Dr. Straetmans has developed a range of multifunctional antimicrobial additives which became a synonym for pioneering inventions that are meanwhile established market standards. The antimicrobial activity of these multifunctional ingredients can be used as a secondary benefit to complement and support the preservation of cosmetic products.

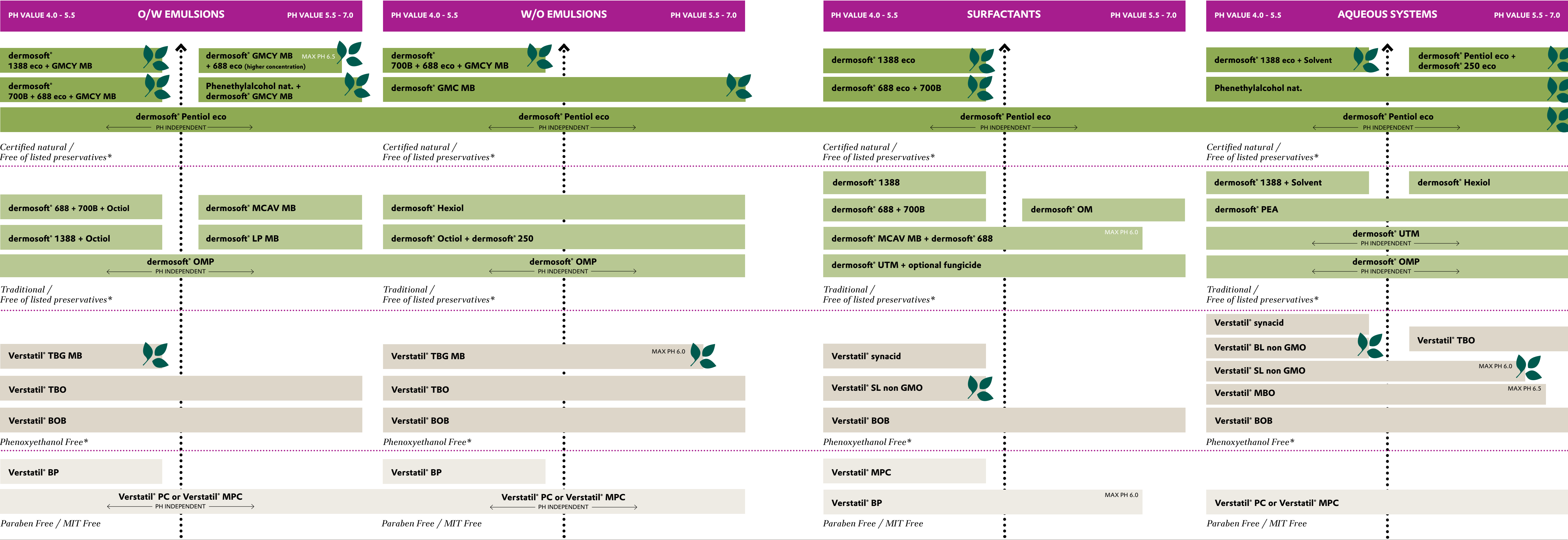
With our **Verstail®** products, we added a carefully chosen line of traditional preservatives to our portfolio. Balancing out the different marketing and budget demands, with the requirement to keep efficacy and safety at the highest level, is the main focus of the **Verstail®** range. We are constantly developing this product line and are offering tailor-made solutions also for more specific applications and preservation challenges.

Both, the **dermosoft®** and **Verstail®** product line, alone or in combination, have proven their effectiveness as reliable preserving systems in thousands of challenge tests. With our web tool (<https://www.dr-straetmans.de/en/pcpg>) we guide you through an extended range of publicly accepted antimicrobials and provide you with valuable preserving options for your individual formulation type and marketing concept. Establishing the effectiveness of these options in microbiological challenge tests is part of our customer service.

Please also refer to the formulation database on our homepage www.dr-straetmans.de in which you will find numerous formulations of proven antimicrobial stability.










LET US SHOW YOU THE MANIFOLD OPPORTUNITIES OF OUR ANTIMICROBIAL ADDITIVES.








THERE ISN'T AN EASY
WAY FOR ALTERNATIVE
PRESERVATION, BUT THERE IS THE
EVONIK DR. STRAETMANS WAY.

MULTIFUNCTIONALS -
DERMOSOFT® PRODUCT RANGE

PRODUCT	INCI	CHARACTERISTICS	APPLICATION PROPERTIES				COSMETIC PROPERTIES	ANTIMICROBIAL EFFICACY*			
			form	dosage	pH-range	natural compliance		gram+	gram-	yeast	mold
ORGANIC ACIDS											
dermosoft® 688	p-Anisic Acid	Mild and skin friendly organic acid with fungicidal activity. Optimum pH < 5.5. Combination with antimicrobial surface active substance (e.g. dermosoft® Octiol or dermosoft® GMCY MB) is recommended to improve the performance of the product even at higher pH.	powder	0.05 - 0.5%	4.0 - 6.5		Masking, pH regulating	✔		✔	✔✔
dermosoft® 688 eco											
dermosoft® anisate	Sodium Anisate	Easy to use water soluble salt of an organic acid with an excellent fungicidal activity. Optimum pH < 5.5. Can be added to the cold water or hot water phase at any step of the process. Combination with antimicrobial surface active substance (e.g. dermosoft® Octiol or dermosoft® GMCY MB) is recommended to improve the performance of the product even at higher pH.	powder	0.05 - 0.5%	4.0 - 6.5		Masking	✔		✔	✔✔
dermosoft® anisate eco						 organic certified					
dermosoft® 700B	Levulinic Acid; Sodium Levulinate; Glycerin; Aqua	Mild and skin friendly plant derived organic acid formulation with bactericidal activity. Optimum pH < 5.5. Easy to handle, water soluble.	liquid	0.5 - 1.0%	4.0 - 6.0		Perfume, skin conditioning, pH regulating	✔✔	✔✔	✔	
dermorganics® 700B						 organic certified					
dermosoft® 1388	Glycerin; Aqua; Sodium Levulinate; Sodium Anisate	Convenient blend of organic acids with broad antimicrobial activity. pH dependent efficacy. Combination with antimicrobial surface active substance (e.g. dermosoft® GMCY MB) is recommended to improve the performance of the product.	liquid	2.0 - 4.0%	4.0 - 5.5		Masking, skin conditioning, pH regulating	✔✔	✔✔	✔✔	✔✔
dermosoft® 1388 eco											
dermorganics® 1388						 organic certified					
dermosoft® 1388 NaL	Glycerin; Aqua; Sodium Levulinate; p-Anisic Acid, Sodium Hydroxide	Convenient blend of organic acids with broad antimicrobial activity. pH dependent efficacy. Combination with antimicrobial surface active substance (e.g. dermosoft® GMCY MB) is recommended to improve the performance of the product. Suitable for the commercialization to China.	liquid	2.0 - 4.0%	4.0 - 5.5		Masking, skin conditioning, pH regulating	✔✔	✔✔	✔✔	✔✔
dermosoft® 1388 eco NaL											
Legend: ✔ = good, but needs a co-active ✔✔ = very good alone											
* the given performance data is only for orientation. Results are depending on the specific formulation. For individual recommendations contact us for support.											
detailed information concerning products, natural regulations, regulatory status and formulations are available on request											


MULTIFUNCTIONALS -
DERMOSOFT® PRODUCT RANGE

PRODUCT	INCI	CHARACTERISTICS	APPLICATION PROPERTIES				COSMETIC PROPERTIES	ANTIMICROBIAL EFFICACY*			
			form	dosage	pH-range	natural compliance		gram+	gram-	yeast	mold
WETTING AGENTS / SURFACTANTS											
dermosoft® Octiol	Caprylyl Glycol	Universal wetting agent with strong antimicrobial properties. pH independent activity and stability. May reduce the viscosity of emulsions at higher concentrations. Synergistic combination with organic acids. Boosting effect on antimicrobials and preservatives.	waxy solid	0.3 - 1.0%	unlimited		Wetting	✓	✓✓	✓✓	✓
dermosoft® Hexiol	1,2-Hexanediol	Multifunctional additive with solving and wetting properties. Really good water solubility and good antimicrobial activity. Can be combined with organic acids or used alone.	liquid	1.0 - 3.0%	unlimited		Wetting, solvent	✓	✓✓	✓✓	✓
dermosoft® Pentiol eco	Pentylene Glycol	A sustainable and natural compliant quality of Pentylene Glycol. Liquid, water soluble, multifunctional additive with pH independent activity and low impact on emulsion stability. Combination with co-active or higher concentrations improve the antimicrobial efficacy.	liquid	1.0 - 5.0%	unlimited		Skin conditioning, solvent	✓✓	✓✓	✓✓	✓
dermosoft® GMCY MB	Glyceryl Caprylate	Vegetable based wetting agent with strong activity against bacteria and yeast. Suitable as co-emulsifier at low concentrations to improve emulsification.	waxy solid	0.3 - 1.0%	4.0 - 7.0		Wetting, refatting, co-emulsifier	✓✓	✓	✓✓	
dermosoft® GMC MB	Glyceryl Caprate	Vegetable based wetting agent with selective antimicrobial activity over a wide pH range. Suitable for W/O emulsions.	waxy solid	0.4 - 0.8%	4.0 - 7.0		Wetting, refatting	✓✓	✓	✓	
dermosoft® EHG	Ethylhexylglycerin	Versatile and multifunctional additive with antimicrobial efficacy. Boosting effect on antimicrobials and preservatives. Easy to handle, pH independent.	liquid	0.3 - 1.0%	unlimited		Emollient, wetting, humectant	✓	✓✓	✓✓	✓
dermosoft® UTM	Undecylenamidopropyl-trimonium Methosulfate; Aqua; Propylene Glycol	Cationic surfactant with antimicrobial efficacy. Easy to handle and clear soluble in water-based mixtures even at higher pH.	liquid	1.0 - 3.0%	unlimited		Wetting, conditioning, moisturizing	✓✓	✓✓	✓	

Legend: ✓ = good, but needs a co-active | ✓✓ = very good alone
* the given performance data is only for orientation. Results are depending on the specific formulation.
For individual recommendations contact us for support.

detailed information concerning products, natural regulations, regulatory status and formulations are available on request



MULTIFUNCTIONALS -
DERMOSOFT® PRODUCT RANGE

PRODUCT	INCI	CHARACTERISTICS	APPLICATION PROPERTIES				COSMETIC PROPERTIES	ANTIMICROBIAL EFFICACY*			
			form	dosage	pH-range	natural compliance		gram+	gram-	yeast	mold
AROMATIC ALCOHOLS											
dermosoft® 250	Phenylpropanol	Fragrance ingredient with antimicrobial activity.	liquid	0.05 - 0.4%	unlimited		Perfume	✓	✓✓	✓	✓✓
NEW dermosoft® 250 eco		Synergistic effect with wetting agents (e.g. dermosoft® Octiol). Easy application, pH independent. Now also available in natural derived quality.									
dermosoft® PEA	Phenethyl Alcohol	Water soluble masking agent with rose like scent and good antimicrobial activity. Easy to handle, pH independent.	liquid	0.7 - 1.0%	unlimited		Masking	✓	✓✓	✓	✓✓
Phenethylalcohol nat.	Phenethyl Alcohol	Plant derived water soluble masking agent with rose like scent and good antimicrobial activity. Easy to handle, pH independent.	liquid	0.7 - 1.0%	unlimited		Masking	✓	✓✓	✓	✓✓
CONVENIENCE BLENDS											
dermosoft® OM	Methylpropanediol; Caprylyl Glycol	Odorless, boosted blend. Due to combination of raw materials the load of wetting agents can be reduced while still achieving an excellent activity against germs, regardless of the pH of the formulation.	liquid	3.0 - 4.0 %	unlimited		Wetting, refatting, moisturizing	✓✓	✓✓	✓✓	✓
dermosoft® OMP	Methylpropanediol; Caprylyl Glycol; Phenylpropanol	Synergistic mixture of surface active ingredients with excellent pH independent antimicrobial activity. Low influence on stability and viscosity of emulsions.Ideal replacement for traditional preservative blends (e.g. parabenes).	liquid	2.5 - 4.0%	unlimited		Wetting, refatting, moisturizing	✓✓	✓✓	✓✓	✓✓
dermosoft® LP MB	Caprylyl Glycol; Glycerin; Glyceryl Caprylate; Phenylpropanol; Aqua	Synergistic mixture of surface active ingredients with excellent broad antimicrobial activity. Ideal replacement for traditional preservative blends. Low use concentration over wide pH range.	liquid	0.8 - 1.5%	4.0 - 7.0		Wetting, refatting, moisturizing	✓✓	✓✓	✓✓	✓✓
dermosoft® MCAV MB	Caprylyl Glycol; Dipropylene Glycol; Glyceryl Caprylate	Blend with good antimicrobial properties for perfume-free product concepts. Easy handling with low use concentration.	liquid	0.5 - 1.0%	4.0 - 7.0		Wetting, refatting, moisturizing	✓✓	✓✓	✓✓	✓

Legend: ✓ = good, but needs a co-active | ✓✓ = very good alone
* the given performance data is only for orientation. Results are depending on the specific formulation.
For individual recommendations contact us for support.

detailed information concerning products, natural regulations, regulatory status and formulations are available on request

PRESERVATIVES -
VERSTATIL® PRODUCT RANGE

PRODUCT	INCI	CHARACTERISTICS	APPLICATION PROPERTIES				COSMETIC PROPERTIES	ANTIMICROBIAL EFFICACY*			
			form	dosage	pH-range	natural compliance		gram+	gram-	yeast	mold
Verstatil® PC	Phenoxyethanol; Caprylyl Glycol	Optimized economic blend for reliable preservation of skin care products. Water soluble, chemically stable system with low impact on the stability of the product. pH independent.	liquid	0.8 - 1.0%	unlimited		Preservative, wetting, humectant	✓✓	✓✓	✓✓	✓✓
Verstatil® MPC	Methylpropanediol; Phenoxyethanol; Caprylyl Glycol	Preservative blend of a known preservative, a wetting agent and an activity booster. Enables economic and safe preservation with a low level of phenoxyethanol. Easy to handle and applicable in all kinds of product concepts, with a good water solubility.	liquid	1.0 - 3.0%	unlimited		Preservative, wetting, humectant	✓✓	✓✓	✓✓	✓✓
Verstatil® PE	Phenoxyethanol; Ethylhexylglycerin	Synergistic blend of phenoxyethanol and ethylhexylglycerin with a broad-spectrum antimicrobial efficacy. pH independent.	liquid	0.8 - 1.0%	unlimited		Preservative, humectant	✓✓	✓✓	✓✓	✓
Verstatil® BP	Phenoxyethanol; Benzoic Acid	Synergistic blend of phenoxyethanol and benzoic acid. No discoloration of the product. Optimum pH range between 4.0 - 6.0.	liquid	0.5 - 1.0%	4.0 - 6.0		Preservative	✓✓	✓✓	✓✓	✓✓
Verstatil® BOB	Benzyl Alcohol; Caprylyl Glycol; Benzoic Acid	Optimized blend of multifunctional additives and preservatives with excellent broad antimicrobial activity. Suitable for all types of cosmetic products. Allows the formulator to work without criticized preservatives.	liquid	0.8 - 2.0%	4.0 - 7.0		Preservative, perfuming, wetting	✓✓	✓✓	✓✓	✓✓
Verstatil® TBO	Triethyl Citrate; Caprylyl Glycol; Benzoic Acid	Innovative economic blend for preservation. Easy to use in emulsions, tonics and hydrogels. Clear and odorless product, with a strong antimicrobial activity.	liquid	1.0 - 1.5%	4.0 - 7.0		Preservative, wetting	✓✓	✓✓	✓✓	✓✓
Verstatil® TBG MB	Triethyl Citrate; Glyceryl Caprylate; Benzoic Acid	Innovative economic blend for reliable preservation of certified natural cosmetic products. Perfectly suitable for emulsions, tonics and hydrogels. Easy to use. For paraben-, MIT- and phenoxyethanol-free product concepts.	liquid	1.0 - 1.5%	4.0 - 6.0		Preservative, solvent, masking, wetting	✓✓	✓✓	✓✓	✓
Verstatil® SL	Aqua; Sodium Levulinate; Potassium Sorbate	Mix of potassium sorbate in a liquid blend with the skin conditioning agent levulinic acid for optimized skin compatibility. Easy handling. Combination with antimicrobial surface active substance (e.g. dermosoft® Octiol, dermosoft® GMCY MB) is recommended to improve the performance of the product.	liquid	1.5 - 2.0%	4.0 - 6.0		Preservative, masking	✓✓	✓✓	✓	✓
Verstatil® SL non GMO											

Legend: ✓ = good, but needs a co-active | ✓✓ = very good alone
* the given performance data is only for orientation. Results are depending on the specific formulation.
For individual recommendations contact us for support.

detailed information concerning products, natural regulations, regulatory status and formulations are available on request

PRESERVATIVES -
VERSTATIL® PRODUCT RANGE

PRODUCT	INCI	CHARACTERISTICS	APPLICATION PROPERTIES				COSMETIC PROPERTIES	ANTIMICROBIAL EFFICACY*			
			form	dosage	pH-range	natural compliance		gram+	gram-	yeast	mold
Verstatil® BL	Aqua; Sodium Levulinate; Sodium Benzoate	Combines sodium benzoate and the skin conditioning agent levulinic acid, derived from non-GMO sources. Ideal for natural rinse off products and tonics. Suitable for emulsions, in combination with boosting agent.	liquid	1.5 - 2.5%	4.0 - 6.0		Preservative, perfuming	✓✓	✓✓	✓	✓
Verstatil® BL non GMO											
Verstatil® synacid	Aqua; Glycerin; Sodium Levulinate; Sodium Salicylate; Sodium Anisate	Synergistic blend of multifunctional organic acids and salicylic acid with broad antimicrobial activity and performance against special germs. Ideal for surfactant based and aqueous product concepts. Combination with booster for emulsions recommended.	liquid	2.0 - 3.0 %	4.0 - 6.0		Preservative, perfuming, masking	✓✓	✓✓	✓✓	✓
Verstatil® MBO	Methylpropanediol; Caprylyl Glycol; Benzoic Acid	The tailor-made raw material blend for efficient preservation of wet wipes. Liquid, easy to use blend for the economic formulation of wet wipe solutions. For application in emulsion or water based products.	liquid	0.8 - 1.2%	4.0 - 6.5		Preservative, wetting	✓✓	✓✓	✓✓	✓✓

NATURAL ORGANIC ACIDS

PRODUCT	INCI	CHARACTERISTICS	APPLICATION PROPERTIES				COSMETIC PROPERTIES	ANTIMICROBIAL EFFICACY*			
			form	dosage	pH-range	natural compliance		gram+	gram-	yeast	mold
Benzoic acid nat.	Benzoic Acid	This natural quality of benzoic acid is derived from cassia oil. It is ideal for 100% plant derived cosmetics. The known organic acid is efficient for the preservation of various product concepts with good activity against yeast and mold. It is recommended to combine with other antimicrobial substances for broadband protection.	powder	0.2 - 1.0 %	4.0 - 6.0		Preservative	✓	✓	✓✓	✓✓
Salicylic acid nat.	Salicylic Acid	This salicylic acid is derived from 100% natural wintergreen oil. The organic acid is known for its preservation efficacy. The activity against yeast and mold is very good. Recommended to combine with other organic acids for full antimicrobial protection.	powder	0.1 - 0.5 %	4.0 - 6.0		Preservative	✓	✓	✓✓	✓✓

Legend: ✓ = good, but needs a co-active | ✓✓ = very good
* the given performance data is only for orientation. Results are depending on the specific formulation.
For individual recommendations contact us for support.

detailed information concerning products, natural regulations, regulatory status and formulations are available on request

ANTIMICROBIAL SKIN ACTIVES & DEODORANTS



ANTIMICROBIAL EFFICACY BEYOND PRODUCT PROTECTION

Raw materials under the **drstraetmans** brand aim to protect and stabilize cosmetic formulations. Within the portfolio, the **dermosoft®** line is known for targeting the prevention of microbiological spoilage.






After years of experience working with our **dermosoft®** line for the protection of cosmetic formulations, we can proudly say that these products can do more. Some of the **dermosoft®** products show selected activity against specific microorganisms, which can cause skin disorders. This makes them valuable natural alternatives to control e.g. dandruff or athlete's foot, with comparable or even superior efficacy.

The combination with potent plant extracts allows us to expand the functionality of the products of this product line even more and to offer solutions for undesired body odor, impure and blemish prone skin.

The perfect partnership for **dermosoft®** regarding the control of body odor was found in the **TEGODEO®** and **TEGO® Cosmo** line. With the latest extension to the **TEGODEO®** range, the new **TEGODEO® A30 eco**, we offer a highly efficient odor absorber that is fully naturally derived and that can be introduced in water based systems under a cold process.








ANTIMICROBIAL SKIN
ACTIVES & DEODORANTS

PRODUCT	INCI	CHARACTERISTICS	APPLICATION PROPERTIES			APPLICATION*		
			form	dosage	natural compliance	blemished skin	foot care	scalp care
ANTIMICROBIAL SKIN ACTIVES								
dermosoft® decalact MB	Sodium Caproyl/Lauroyl Lactylate	Natural agent with antimicrobial properties. Highly effective against microorganisms causing skin disorders like dandruff, blemished skin and athlete's foot. Natural and mild replacement for triclosan and climbazole.	viscous liquid	0.5 - 2.0 %		+	++	++
dermosoft® decalact liquid MB	Sodium Caproyl/Lauroyl Lactylate; Triethyl Citrate	Low viscous convenience blend based on dermosoft® decalact MB for easy handling with analogous antimicrobial properties.	liquid	0.7 - 1.2%		+	++	++
dermosoft® decalact sebum MB	Polyglyceryl-10 Laurate; Sodium Caproyl/Lauroyl Lactylate; Glycerin; Serenoa Serrulata Fruit Extract; Juniperus Communis Fruit Extract	Multitalented natural active ingredient blend fighting the signs of blemish prone skin. In-vivo proven efficacy for reduction of sebum production, redness and pimples at a low dosage. Suitable for certified natural cosmetics.	viscous liquid	2.0%		++		
dermosoft® GMC MB	Glyceryl Caprate	Selective efficacy against gram+ bacteria. Suitable for perfume-free concepts.	waxy solid	0.4 - 1.0%		+		
dermosoft® DGMC MB	Polyglyceryl-2 Caprate	Selective efficacy against gram+ bacteria. Suitable for perfume-free concepts. Mild and skin friendly vegetable refatting agent. Sensory modifier and texturizer in emulsions. Viscosity regulating effect in surfactant based formulations, depending on surfactant base.	viscous liquid	0.3 - 0.5 %		+		

Legend: + = good | ++ = very good
* the given performance data is only for orientation. Results are depending on the specific formulation.
For individual recommendations contact us for support.

detailed information concerning products, natural regulations, regulatory status and formulations are available on request

ANTIMICROBIAL SKIN
ACTIVES & DEODORANTS

PRODUCT	INCI	CHARACTERISTICS	APPLICATION PROPERTIES		DEODORANT ACTIVITY*			
			form	dosage	natural compliance	odor inhibitor	antimicrobial	odor absorption
DEODORANT ACTIVES								
dermosoft® decalact deo MB	Sodium Caproyl/Lauroyl Lactylate; Triethyl Citrate; Salvia Officinalis (Sage) Oil	Natural deo active blend with antimicrobial properties. Highly effective against microorganisms causing body odor. In-vivo proven immediate and 24h deodorant activity. Easy to use.	liquid	0.3 - 1.0%		✓	✓	
TEGO® Cosmo P 813 MB	Polyglyceryl-3 Caprylate	A mild, vegetable based multifunctional co-emulsifier developed for use in deodorant formulations. Shows "intelligent" deodorant activity with extended 24 hours efficacy "on demand". Mild to the skin and easy to formulate.	liquid	0.2 - 2.0%		✓	✓	
TEGODEO® PY 88 G	Zinc Ricinoleate	Highly effective natural compliant deodorant active based on the odor absorption efficacy of the zinc salt of ricinoleic acid. Does not inhibit natural transpiration. Especially suitable for any emulsion type of deodorant formulations.	pellets	0.5 - 1.5%				✓
NEW TEGODEO® A30 eco	Aqua; Zinc Ricinoleate; Propylene Glycol; Arginine; Citric Acid	Deodorant active blend with natural compliance. Highly effective thanks to the zinc salt of ricinoleic acid. Especially suitable for aqueous and hydro alcoholic products. Proven efficacy in deodorant applications. Does not inhibit natural transpiration.	liquid	1.0 - 4.0%				✓
TEGODEO® CW 90 E	Zinc Ricinoleate; Tetrahydroxypropyl Ethylenediamine; Laureth-3; Propylene Glycol	Easy-to-use deodorant active blend. Especially suitable for formulations with higher water content e.g. in pump sprays (up to 60% water) but also deo sticks and deo roll-on formulations. Highly effective blend based on the odor absorption efficacy of zinc ricinoleate.	liquid	1.5 - 3.0%				✓
TEGODEO® HY 77	Zinc Ricinoleate; Triethanolamine; Dipropylene Glycol; Lactic Acid	Highly effective convenient deodorant active blend based on the zinc salt of ricinoleic acid. For deodorant formulations with a high alcohol content. Can be formulated into clear deo sprays (up to 30% water content), deo-sticks and roll-ons.	liquid	1.5 - 3.0%				✓
dermofeel® TEC eco	Triethyl Citrate	Natural colourless and odorless oily liquid for use in deodorant formulations. Inhibits esterase based metabolism of sweat components causing malodor. Does not affect the natural skin flora.	liquid	1.0 - 5.0%		✓		

Legend: ✓ = suitable for this type of application
* the given performance data is only for orientation. Results are depending on the specific formulation.
For individual recommendations contact us for support.

detailed information concerning products, natural regulations, regulatory status and formulations are available on request

ANTIOXIDANTS & CHELATORS



ANTIOXIDANT PROTECTION OF SKIN AND COSMETIC PRODUCTS

Besides antimicrobial protection, cosmetic formulations also need protection against oxidation.

Particularly natural ingredients require an adequate antioxidant system.







Within our **dermofeel®** product line, we offer cosmetic additives able to effectively protect ingredients against oxidation. Using combinations of our natural mixed tocopherols and our natural chelating agents, a formulator can achieve the desired protection of his formulation.

Our extended range of natural tocopherols offers solutions for all applications, from targeted efficacy to multifunctional broadband by utilizing various non-GMO plant sources providing different tocopherol compositions.

Expanding the term "protection", our **dermofeel®** line also comprises antioxidants and Vitamin C ester for use in active skin care products as radical scavengers for the skin.





ANTIOXIDANTS & CHELATORS

PRODUCT	INCI	CHARACTERISTICS	APPLICATION PROPERTIES			
			form	assay	dosage	natural compliance
CHELATING AGENTS						
dermofeel® PA	Phytic Acid; Aqua	Natural chelating agent. Synergistic in combination with cosmetic antioxidants. Natural EDTA replacement.	liquid	50%	0.05 - 0.2%	
dermofeel® PA-3	Sodium Phytate; Aqua; Alcohol	Natural chelating agent. Synergistic in combination with cosmetic antioxidants. Natural EDTA replacement.	liquid	50%	0.05 - 0.2%	
dermofeel® PA-12	Sodium Phytate	Natural chelating agent. Synergistic in combination with cosmetic antioxidants. Natural EDTA replacement.	powder	>64%	0.05 - 0.5%	
PRODUCT PROTECTION ANTIOXIDANTS						
dermofeel® Toco 50 non GMO	Tocopherol; Helianthus Annuus (Sunflower) Seed Oil	Antioxidant for cosmetic formulations. Natural composition of mixed tocopherols from certified non-GMO sources. Effective protection of oxidizable ingredients.	liquid	50%	0.05 - 1.0%	
dermofeel® Toco 70 non GMO	Tocopherol; Helianthus Annuus (Sunflower) Seed Oil	Antioxidant for cosmetic formulations. Natural composition of mixed tocopherols from certified non-GMO sources. Effective protection of oxidizable ingredients.	liquid	70%	0.05 - 1.0%	
dermofeel® TocoBalance	Tocopherol; Helianthus Annuus (Sunflower) Seed Oil	Rapeseed based natural antioxidant with a balanced content of mixed tocopheroles from non-GMO sources. Effective protection of oxidizable ingredients with the added benefit of antioxidative activity for the skin.	liquid	70%	0.05 - 1.5%	


* the given performance data is only for orientation. Results are depending on the specific formulation.
For individual recommendations contact us for support.

detailed information concerning products, natural regulations, regulatory status and formulations are available on request

ANTIOXIDANTS & CHELATORS

PRODUCT	INCI	CHARACTERISTICS	APPLICATION PROPERTIES			
			form	assay	dosage	natural compliance
SKIN PROTECTION ANTIOXIDANTS						
dermofeel® TocoSkin	Tocopherol, Helianthus Annuus (Sunflower) Seed Oil	Sunflower based antioxidant with a high content of alpha-Tocopherol (vitamin E), suitable for certified natural cosmetics. Prevents the skin from damage caused by free radicals. With anti-inflammatory effect.	liquid	70%	0.05 - 1.0%	
dermofeel® E 74 A non GMO	Tocopheryl Acetate, Helianthus Annuus (Sunflower) Seed Oil	Stable vitamin E ester. Antioxidant - prevents the skin from damage caused by free radicals. With anti-inflammatory effect. Widely used as anti-aging active.	liquid	74%	0.5 - 2.0%	
dermofeel® E 67 non GMO	Tocopherol, Helianthus Annuus (Sunflower) Seed Oil	Plant derived alpha-Tocopherol (vitamin E). Antioxidant and radical scavenger in human skin.	liquid	67%	0.05 - 1.0%	
dermofeel® AP MB	Ascorbyl Palmitate	Vitamin C ester for use in highly active skin care products. Antioxidant - protects skin cells and extracellular matrix and stimulates collagen synthesis. Skin lightening by inhibition of melanin formation.	powder	>98%	0.1 - 1.0%	

























NATURAL ORGANIC ADDITIVES

PRODUCT	INCI	CHARACTERISTICS	APPLICATION PROPERTIES			
			form	assay	dosage	natural compliance
dermorganics® Glycerin	Glycerin	Humectant and moisturizer derived from natural organic sources. Dosage depends on product concept and application.	liquid	98%	Leave on up to 80% Rinse off up to 100%	 organic certified

* the given performance data is only for orientation. Results are depending on the specific formulation.
For individual recommendations contact us for support.

















detailed information concerning products, natural regulations, regulatory status and formulations are available on request





















INDEX OF PRODUCTS BY TRADE NAMES

TRADENAME	INCI NAME	PAGE	
Benzoic acid nat.	Benzoic Acid	22	
dermofeel® AP MB	Ascorbyl Palmitate	34	
dermofeel® E 67 non GMO	Tocopherol; Helianthus Annuus (Sunflower) Seed Oil	34	
dermofeel® E 74 A non GMO	Tocopherol; Helianthus Annuus (Sunflower) Seed Oil	34	
dermofeel® PA	Phytic Acid; Aqua	32	
dermofeel® PA-12	Sodium Phytate	32	
dermofeel® PA-3	Sodium Phytate; Aqua; Alcohol	32	
dermofeel® TEC eco	Triethyl Citrate	28	
dermofeel® Toco 50 non GMO	Tocopherol; Helianthus Annuus (Sunflower) Seed Oil	32	
dermofeel® Toco 70 non GMO	Tocopherol; Helianthus Annuus (Sunflower) Seed Oil	32	
dermofeel® TocoBalance	Tocopherol; Helianthus Annuus (Sunflower) Seed Oil	32	
dermofeel® TocoSkin	Tocopherol, Helianthus Annuus (Sunflower) Seed Oil	34	
dermorganics® 1388	Glycerin; Aqua; Sodium Levulinate; Sodium Anisate	14	
dermorganics® 700B	Levulinic Acid; Sodium Levulinate; Glycerin; Aqua	14	
dermorganics® Glycerin	Glycerin	34	
dermosoft® 1388	Glycerin; Aqua, Sodium Levulinate; Sodium Anisate	12, 14	
dermosoft® 1388 eco	Glycerin; Aqua, Sodium Levulinate; Sodium Anisate	12, 14	
dermosoft® 1388 eco NaL	Glycerin; Aqua; Sodium Levulinate; p-Anisic Acid, Sodium Hydroxide	14	
dermosoft® 1388 NaL	Glycerin; Aqua; Sodium Levulinate; p-Anisic Acid, Sodium Hydroxide	14	
dermosoft® 250	Phenylpropanol	18	
NEW dermosoft® 250 eco	Phenylpropanol	12, 18	
dermosoft® 688	p-Anisic Acid	12, 14	
dermosoft® 688 eco	p-Anisic Acid	12, 14	
dermosoft® 700 B	Levulinic Acid; Sodium Levulinate; Glycerin; Aqua	12, 14	
dermosoft® anisate	Sodium Anisate	14	
dermosoft® anisate eco	Sodium Anisate	14	
dermosoft® decalact MB	Sodium Caproyl/Lauroyl Lactylate	26	
dermosoft® decalact deo MB	Sodium Caproyl/Lauroyl Lactylate; Triethyl Citrate; Salvia Officinalis (Sage) Oil	28	
dermosoft® decalact liquid MB	Sodium Caproyl/Lauroyl Lactylate; Triethyl Citrate	26	
dermosoft® decalact sebum MB	Polyglyceryl-10 Laurate; Sodium Caproyl/Lauroyl Lactylate; Glycerin, Serenoa Serrulata Fruit Extract; Juniperus Communis Fruit Extract	26	
dermosoft® D GMC MB	Polyglyceryl-2 Caprate	26	
dermosoft® EHG	Ethylhexylglycerin	16	

TRADENAME	INCI NAME	PAGE	
dermosoft® GMC MB	Glyceryl Caprate	12, 16	
dermosoft® GMCY MB	Glyceryl Caprylate	12, 16	
dermosoft® Hexiol	1,2-Hexanediol	12, 16	
dermosoft® LP MB	Caprylyl Glycol; Glycerin; Glyceryl Caprylate; Phenylpropanol; Aqua	12, 18	
dermosoft® MCAV MB	Caprylyl Glycol; Glyceryl Caprylate; Dipropylene Glycol	12, 18	
dermosoft® Octiol	Caprylyl Glycol	12, 16	
dermosoft® OM	Methylpropanediol; Caprylyl Glycol	12, 18	
dermosoft® OMP	Methylpropanediol; Caprylyl Glycol; Phenylpropanol	12, 18	
dermosoft® PEA	Phenethyl Alcohol	12, 18	
dermosoft® Pentiol eco	Pentylene Glycol	12, 16	
dermosoft® UTM	Undecylenamidopropyltrimonium methosulfate; Aqua; Propylene Glycol	12, 16	
Phenethylalcohol nat.	Phenethyl Alcohol	12, 18	
Salicylic acid nat.	Salicylic Acid	22	
TEGO® Cosmo P 813 MB	Polyglyceryl-3 Caprylate	28	
NEW TEGODEO® A30 eco	Aqua; Zinc Ricinoleate; Propylene Glycol; Arginine; Citric Acid	28	
TEGODEO® CW 90 E	Zinc Ricinoleate; Tetrahydroxypropyl Ethylenediamine; Laureth-3; Propylene Glycol	28	
TEGODEO® HY 77	Zinc Ricinoleate; Triethanolamine; Dipropylene Glycol; Lactic Acid	28	
TEGODEO® PY 88 G	Zinc Ricinoleate	28	
Verstatil® BL	Aqua; Sodium Levulinate; Sodium Benzoate	12, 22	
Verstatil® BL non GMO	Aqua; Sodium Levulinate; Sodium Benzoate	12, 22	
Verstatil® BOB	Benzyl Alcohol; Caprylyl Glycol; Benzoic Acid	12, 20	
Verstatil® BP	Phenoxyethanol; Benzoic Acid	12, 20	
Verstatil® MBO	Methylpropanediol, Caprylyl Glycol, Benzoic Acid	12, 22	
Verstatil® MPC	Methylpropanediol; Phenoxyethanol; Caprylyl Glycol	12, 20	
Verstatil® PC	Phenoxyethanol, Caprylyl Glycol	12, 20	
Verstatil® PE	Phenoxyethanol; Ethylhexylglycerin	20	
Verstatil® SL	Aqua; Sodium Levulinate; Potassium Sorbate	12, 20	
Verstatil® SL non GMO	Aqua; Sodium Levulinate; Potassium Sorbate	12, 20	
Verstatil® synacid	Aqua; Glycerin; Sodium Levulinate; Sodium Salicylate; Sodium Anisate	12, 22	
Verstatil® TBG MB	Triethyl Citrate; Glyceryl Caprylate; Benzoic Acid	12, 20	
Verstatil® TBO	Triethyl Citrate; Caprylyl Glycol; Benzoic Acid	12, 20	

INDEX OF PRODUCTS BY INCI NAMES

INCI	TRADENAME	PAGE	
1,2-Hexanediol	dermosoft® Hexiol	12, 16	
Aqua; Glycerin; Sodium Levulinate; Sodium Salicylate; Sodium Anisate	Verstatil® synacid	12, 22	
Aqua; Sodium Levulinate; Potassium Sorbate	Verstatil® SL	12, 20	
Aqua; Sodium Levulinate; Potassium Sorbate	Verstatil® SL non GMO	12, 20	
Aqua; Sodium Levulinate; Sodium Benzoate	Verstatil® BL	12, 22	
Aqua; Sodium Levulinate; Sodium Benzoate	Verstatil® BL non GMO	12, 22	
Aqua; Zinc Ricinoleate; Propylene Glycol; Arginine; Citric Acid	NEW TEGODEO® A30 eco	28	
Ascorbyl Palmitate	dermofeel® AP MB	34	
Benzoic Acid	Benzoic acid nat.	22	
Benzyl Alcohol; Caprylyl Glycol; Benzoic Acid	Verstatil® BOB	12, 20	
Caprylyl Glycol	dermosoft® Octiol	12, 16	
Caprylyl Glycol; Glycerin; Glyceryl Caprylate; Phenylpropanol; Aqua	dermosoft® LP MB	18	
Caprylyl Glycol; Glyceryl Caprylate; Dipropylene Glycol	dermosoft® MCAV MB	12, 18	
Ethylhexylglycerin	dermosoft® EHG	16	
Glycerin	dermorganics® Glycerin	34	
Glycerin; Aqua, Sodium Levulinate; Sodium Anisate	dermosoft® 1388	14	
Glycerin; Aqua, Sodium Levulinate; Sodium Anisate"	dermosoft® 1388 eco	12, 14	
Glycerin; Aqua; Sodium Levulinate; p-Anisic Acid, Sodium Hydroxide	dermosoft® 1388 eco NaL	14	
Glycerin; Aqua; Sodium Levulinate; p-Anisic Acid, Sodium Hydroxide	dermosoft® 1388 NaL	14	
Glycerin; Aqua; Sodium Levulinate; Sodium Anisate	dermorganics® 1388	14	
Glyceryl Caprate	dermosoft® GMC MB	12, 16	
Glyceryl Caprylate	dermosoft® GMCY MB	12, 16	
Levulinic Acid; Sodium Levulinate; Glycerin; Aqua	dermosoft® 700 B	12, 14	
Levulinic Acid; Sodium Levulinate; Glycerin; Aqua	dermorganics® 700B	14	
Methylpropanediol, Caprylyl Glycol, Benzoic Acid	Verstatil® MBO	12, 22	
Methylpropanediol; Caprylyl Glycol	dermosoft® OM	12, 18	
Methylpropanediol; Caprylyl Glycol; Phenylpropanol	dermosoft® OMP	12, 18	
Methylpropanediol; Phenoxyethanol; Caprylyl Glycol	Verstatil® MPC	12, 20	
p-Anisic Acid	dermosoft® 688	12, 14	
p-Anisic Acid	dermosoft® 688 eco	12, 14	
Pentylene Glycol	dermosoft® Pentiol eco	12, 16	
Phenethyl Alcohol	dermosoft® PEA	12, 18	
Phenethyl Alcohol	Phenethylalcohol nat.	12, 18	

INCI	TRADENAME	PAGE	
Phenoxyethanol, Caprylyl Glycol	Verstatil® PC	12, 20	
Phenoxyethanol; Benzoic Acid	Verstatil® BP	12, 20	
Phenoxyethanol; Ethylhexylglycerin	Verstatil® PE	20	
Phenylpropanol	dermosoft® 250	18	
Phenylpropanol	NEW dermosoft® 250 eco	12, 18	
Phytic Acid; Aqua	dermofeel® PA	32	
Polyglyceryl-10 Laurate; Sodium Caproyl/Lauroyl Lactylate; Glycerin, Serenoa Serrulata Fruit Extract; Juniperus Communis Fruit Extract	dermosoft® decalact sebum MB	26	
Polyglyceryl-2 Caprate	dermosoft® DGMC MB	26	
Polyglyceryl-3 Caprylate	TEGO® Cosmo P 813 MB	28	
Salicylic Acid	Salicylic acid nat.	22	
Sodium Anisate	dermosoft® anisate	14	
Sodium Anisate	dermosoft® anisate eco	14	
Sodium Caproyl/Lauroyl Lactylate	dermosoft® decalact MB	26	
Sodium Caproyl/Lauroyl Lactylate; Triethyl Citrate	dermosoft® decalact liquid MB	26	
Sodium Caproyl/Lauroyl Lactylate; Triethyl Citrate; Salvia Officinalis (Sage) Oil	dermosoft® decalact deo MB	28	
Sodium Phytate	dermofeel® PA-12	32	
Sodium Phytate; Aqua; Alcohol	dermofeel® PA-3	32	
Tocopherol, Helianthus Annuus (Sunflower) Seed Oil	dermofeel® TocoSkin	34	
Tocopherol; Helianthus Annuus (Sunflower) Seed Oil	dermofeel® TocoBalance	32	
Tocopherol; Helianthus Annuus (Sunflower) Seed Oil	dermofeel® E 67 non GMO	34	
Tocopherol; Helianthus Annuus (Sunflower) Seed Oil	dermofeel® E 74 A non GMO	34	
Tocopherol; Helianthus Annuus (Sunflower) Seed Oil	dermofeel® Toco 50 non GMO	32	
Tocopherol; Helianthus Annuus (Sunflower) Seed Oil	dermofeel® Toco 70 non GMO	32	
Triethyl Citrate	dermofeel® TEC eco	28	
Triethyl Citrate; Caprylyl Glycol; Benzoic Acid	Verstatil® TBO	12, 20	
Triethyl Citrate; Glyceryl Caprylate; Benzoic Acid	Verstatil® TBG MB	12, 20	
Undecylenamidopropyltrimonium methosulfate; Aqua; Propylene Glycol	dermosoft® UTM	12, 16	
Zinc Ricinoleate	TEGODEO® PY 88 G	28	
Zinc Ricinoleate; Tetrahydroxypropyl Ethylenediamine; Laureth-3; Propylene Glycol	TEGODEO® CW 90 E	28	
Zinc Ricinoleate; Triethanolamine; Dipropylene Glycol; Lactic Acid	TEGODEO® HY 77	28	

Disclaimer: This information and any recommendations, technical or otherwise, are presented in good faith and believed to be correct as of the date prepared. Recipients of this information and recommendations must make their own determination as to its suitability for their purposes.

In no event shall Evonik Dr. Straetmans assume liability for damages or losses of any kind or nature that result from the use of or reliance upon this information and recommendations. Evonik Dr. Straetmans expressly disclaims any representations and warranties of any kind, whether express or implied, as to the accuracy, completeness, non-infringement, merchantability and/or fitness for a particular purpose (even if Evonik Dr. Straetmans is aware of such purpose) with respect to any information and recommendations provided. Reference to any trade names used by other companies is neither a recommendation nor an endorsement of the corresponding product, and does not imply that similar products could not be used. Evonik Dr. Straetmans reserves the right to make any changes to the information and/or recommendations at any time, without prior or subsequent notice.

dr.straetmans® 

Evonik Dr. Straetmans GmbH
Merkurring 90
D-22143 Hamburg, Germany
T +49 (0)40-66 93 56-0
F +49 (0)40-66 93 56-310
info-drs@evonik.com
www.dr-straetmans.de