



# Product Catalogue 2016 / 1

**drstraetmans**  
intelligence behind beauty

# Foreword.

Dear customer,

Being innovative first of all does not mean looking for answers. It's rather about understanding the question. In cosmetic business asking the right question requires curiosity and persistence, experience and profound knowledge on ingredients, formulations, regulations and trends, short it needs "Intelligence behind beauty".

In the past year we focussed once more on relevant questions related to the topic of preservation. We asked for example: Which germs in reality are causing problems for our customers? And do the recommended standard tests provide a reliable answer on the stability of a cosmetic formulation against these germs? We found out that the latter is not always the case. So we have taken a closer look on more problem causing germs, have included them in our test systems and searched for raw materials closing potential efficacy gaps.

The answer we found is a blend which not only reliably controls the standard germs tested in a challenge test but also microorganisms which often cause problems, like *Burholderia Cepacia*, *Enterobacter Gergoviae*, *Bacillus Subtilis* or different *Lactobacilla*. And because this blend is composed of a synergistic mixture of different organic acids we call it **Verstail®** synacid.

In the legal field cosmetic developers are concerned about a present initiative of EU member states to reduce the permitted use level of phenoxyethanol from 1,0% to 0,4%. These concerns motivated us to address the question: How can we embed phenoxyethanol into

a safe, reliable and economic preservation system which proactively takes potential legal restrictions into account? As an answer we propose our product **Verstail®** MPC. Water soluble and pH independent it offers legal security and reliable preservation in a variety of product forms at the same time.

But we added further safe and meaningful preserving options to our portfolio with the goal to offer more solutions to more challenges. So, developers asking for phenoxyethanol – free options will find answers in our range of **dermosoft®** multifunctional systems and **Verstail®** preservatives.

Finally, in order to guide you through the variety of options we asked: How does a time saving tool which helps cosmetic developers to identify the ideal preserving system for their individual formulation have to look like?

You will find the answer to this and many other intelligent questions in this catalogue and on our new web-based recommendation tool under [www.dr-straetmans.de](http://www.dr-straetmans.de).

We are looking forward to continue serving your needs.

With best regards

*Jan Jänichen*

*Wilfried Petersen*



# New Products:

Page 14

## **symbio**<sup>®</sup> muls WO AF

WO-emulsifier blend balanced for optimum performance and stability, without Aluminium compounds.

Page 28

## **dermosoft**<sup>®</sup> Hexiol

The liquid and water soluble multifunctional booster for organic acids.

Page 32

## **Verstatil**<sup>®</sup> synacid

It is all about the right combination – synergistic blend of organic acids with broad antimicrobial activity and performance against special germs.

Page 32

## **Verstatil**<sup>®</sup> MPC

Blend for economic and safe preservation with a low level of Phenoxyethanol.

# Index:

Foreword .....	2
Service .....	6
Natural Ingredients & Sustainability .....	8
Dr. Straetmans Worldwide .....	44
List of Trade Names .....	46 - 48
List of INCI Names .....	49 - 51

Emulsifiers & Surfactants .....	10
O/W Emulsifiers .....	12
W/O Emulsifiers .....	14
Co-Emulsifiers .....	16
Stabilizers .....	16
Rheological Additives .....	18
Solubilizers & Co-Surfactants .....	18

Oil Components .....	20
Cosmetic Oil - Emollients .....	22

Multifunctional Antimicrobials & Preservatives .....	24
Recommendation Sheet .....	26
<b>dermosoft</b> <sup>®</sup> Product Range .....	28, 30
<b>Verstatil</b> <sup>®</sup> Product Range .....	32

Hair Care Ingredients .....	34
Conditioning Agents .....	36

Other Ingredients .....	38
Active Ingredients .....	40
Additives .....	42

# 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, Dr. Straetmans offers the complete package of services, to help guarantee your development success.

## 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!*

## Our product development and quality care services include:

### *Product development*

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

### *Quality care*

- Stability testing
- Quality control of production

## Workshop training service

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

## Our hair care laboratory offers:

A wide range of basic methods to determine the performance of your hair care product

- Combing force measurements
- Synchron sensory wash testing
- Curl retention analysis

## 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



# Natural and sustainable ingredients.

An important part of earth's green lung and valuable wildlife habitat is sacrificed to the cultivation of palms, in order to serve the growing demand of fatty acids sourced from the oils of this tree. Palm oil and palm kernel oil are among the most commonly used vegetable oils worldwide. This vegetable material has the lowest requirement of arable land per produced kilogram. Around 25% of the worldwide produced palm (kernel) oil is used in detergents and in the personal care industry. That's why we are involved, too.

We are facing this issue in diverse ways: Sourcing fatty acids from locally grown oil plants, like sunflower or rape seed, we continue to develop functional raw materials, which are completely palm-oil free and thereby also avoiding long transport routes. With **dermofeel®** GSC palm oil free we offer a highly versatile emulsifier from locally sourced rape seed oil. For **dermofeel®** viscolid palm oil free we utilize an ancient breed of rape seed to get access to long chain triglycerides for the production of the palm oil free version of our oil thickener **dermofeel®** viscolid.

We have been successful with our palm oil free alternatives, but we know that it is not reasonable to completely waive the use of palm and palm kernel oil. Consequently we are offering more and more of our products in MB (Mass Balance)\* or SG (Segregated)\*\*

quality. All other volumes of palm derived products are covered with B&C certificates to support the production of sustainable palm oil through the *GreenPalm* program\*\*\*. Together with other cross-sectional stakeholders in the palm oil supply chain and non-governmental organisations we raise our voice to further improve the reliability of the Round Table of Sustainable Palm Oil (RSPO) certification system through our membership in the "Forum Nachhaltiges Palmöl" (FONAP).

However, palm oil is just one field of activity. We do more.

We are actively sourcing IP certified non-GMO plant materials thereby respecting natural biodiversity. Last but not least we are continuously looking for more effective and environmentally safe products, as we consider this the best way to preserve resources. As a major supplier for the basic cosmetic ingredients we feel responsible to protect our environment for future generations.

*If you want to learn more about our sustainability strategy please consult our webpage [www.dr-straetmans.de/responsibility](http://www.dr-straetmans.de/responsibility) or contact our sustainability Manager under [sustainability@dr-straetmans.de](mailto:sustainability@dr-straetmans.de)*

**\*Mass Balance (MB):**

Certified sustainable palm oil is mixed in with conventional palm oil but monitored administratively. It is the first step towards substituting part of the used conventional palm oil.

**\*\*Segregated (SG):**

Certified sustainable palm oil from different production areas are mixed, but separated through the supply chain from conventional ingredients; 100% RSPO certified sustainable palm oil

**\*\*\*Book and claim (B&C):**

Tradable certificates of certified sustainable palm oil to be used on the world market, known under the name of *GreenPalm* certificates.

# Emulsifiers & Surfactants

Naturality meets  
functionality  
and technical  
performance.

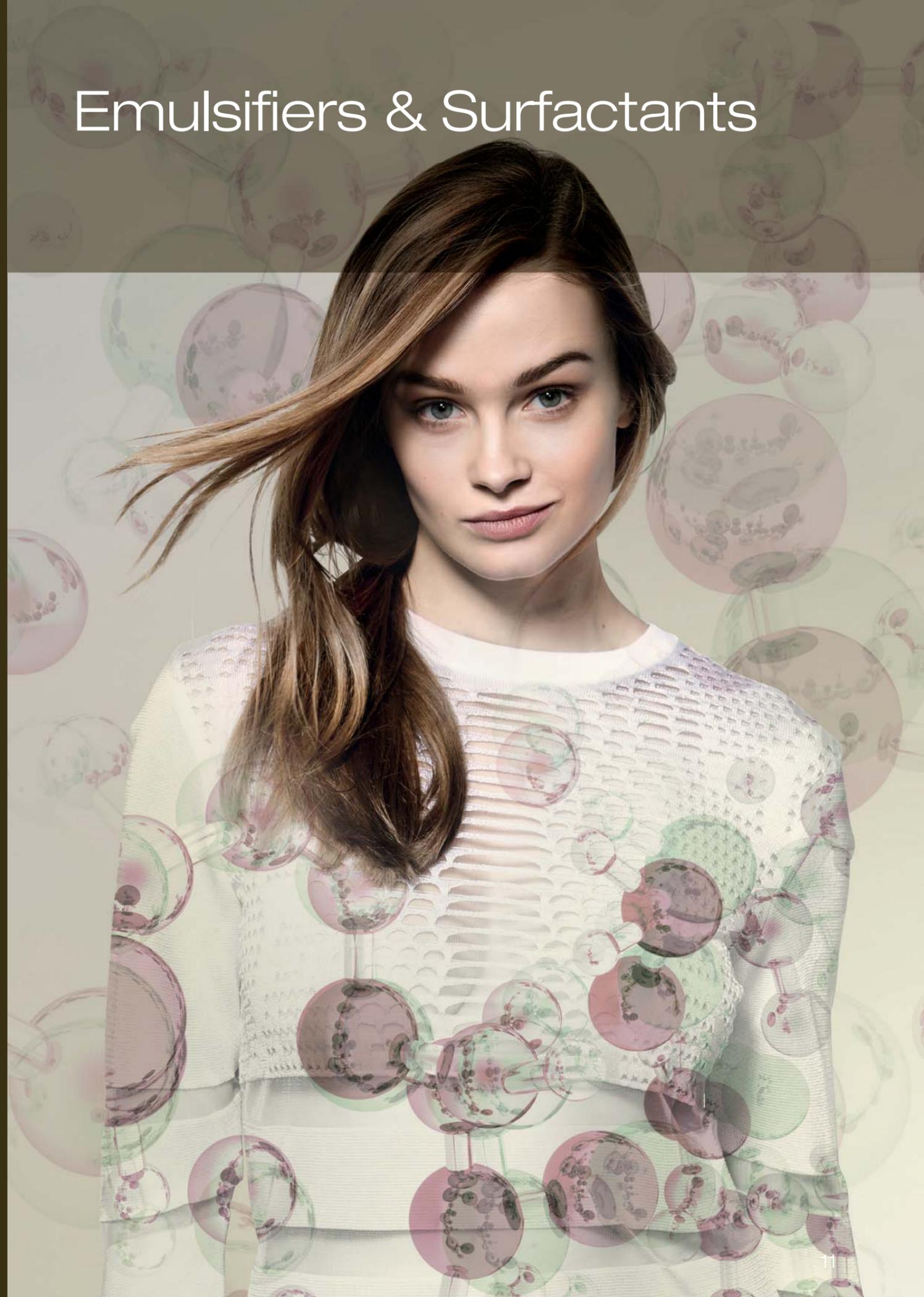
Cosmetic products depend strongly on their emulsifiers, stabilizers and rheological modifiers. They define the product concept and the stability of the formulation. A whole set of surface active ingredients is available to serve the different concepts in cosmetics.

Also the sensorial profile is strongly influenced by the choice of emulsifiers and the combination with co-emulsifiers and stabilizers.

Finally sustainable sourcing of natural raw materials or absence of certain chemicals like palm oil derivatives, may play an important role for the marketing concept.

Under the roof of our **dermofeel®** brand, formulators will find different types of emulsifiers, co-emulsifiers and stabilizers, all with different properties, but all aiming first and foremost to create a stable emulsion.

Solutions for other challenges like solubilization are also offered by raw materials from our **dermofeel®** and **symbio® solv** line.



## O/W-Emulsifiers

product	INCI	characteristics	properties					
			form	melting point	pH-range	use concentration	HLB	natural compliance
<b>symbio</b> <sup>®</sup> muls rich	Polyglyceryl-3 Stearate; Behenyl Alcohol; Glyceryl Stearate Citrate; Helianthus Annuus Seed Cera; Glyceryl Caprate; Tocopherol; Ascorbyl Palmitate; Helianthus Annuus Seed Oil	<b>symbio</b> <sup>®</sup> muls rich is an effective and easy to use emulsifier blend for O/W-emulsions of mainly higher viscosities, rich textures and a rich skin feel. Due to the well-balanced composition of ingredients there is no need for any further stabilizers or co-emulsifiers in the emulsion. Based on natural raw materials and with basic antimicrobial activity.	pellets	~70°C	4,0 - 7,0	5 - 7%	9 - 11	
<b>symbio</b> <sup>®</sup> muls GC	Glyceryl Stearate Citrate, Cetearyl Alcohol, Glyceryl Caprylate	PEG-free, ready to use emulsifier blend for O/W creams and lotions with excellent stability profile. Based on natural raw materials, suitable for a wide range of textures and sensorial profiles. Easy to process even at lower temperatures (60°C) with preservative boosting activity in order to reduce the preservative concentration of the finished product.	pellets	~55°C	4,0 - 7,0	3 - 6%	10-12	
<b>dermo</b> feel <sup>®</sup> GSC	Glyceryl Stearate Citrate	PEG-free anionic emulsifier based on natural raw materials. Highly effective O/W emulsifier for elegant creams and lotions with light and soft skin feel. Excellent stability, good electrolyte tolerance and compatibility with a large range of cosmetic oils and active ingredients. Food grade. Also suitable as co-emulsifier to improve stability.	powder	~60°C	4,0 - 8,0	0,5 - 4%	10 - 15	
<b>dermo</b> feel <sup>®</sup> GSC palm oil free	Glyceryl Stearate Citrate	PEG-free anionic emulsifier based on natural raw materials without the use of palm oil derivatives. Sustainably sourced from local crops with reduced carbon footprint. Highly effective O/W emulsifier for elegant creams and lotions with light and soft skin feel. Excellent stability, good electrolyte tolerance and compatibility with a large range of cosmetic oils and active ingredients. Food grade.	powder	~60°C	4,0 - 8,0	1 - 4%	10 - 15	
<b>dermo</b> feel <sup>®</sup> PS	Polyglyceryl-3 Stearate	Universal vegetable based non-ionic emulsifier suitable for O/W creams and lotions. Creates emulsions with a bright off-white appearance of higher viscosity and rich skin feel. Stable emulsions over a wide pH-range. Improvement of electrolyte tolerance in combination with anionic co-emulsifiers ( <b>dermo</b> feel <sup>®</sup> SL or <b>dermo</b> feel <sup>®</sup> GSC).	powder	~58°C	4,0 - 8,0	2 - 4%	~ 9	
<b>dermo</b> feel <sup>®</sup> PP	Polyglyceryl-3 Palmitate	Non-ionic natural based emulsifier with low melting point. Ideal as an emulsifier for self emulsifying bath oils.	soft paste	~38°C	4,0 - 8,0	3 - 6%	~ 9	
<b>dermo</b> feel <sup>®</sup> easymuls plus	Glyceryl Oleate Citrate	The second generation of a cold processable PEG-free O/W emulsifier, for low viscous and sprayable product concepts. This single ingredient is natural based and is suitable for certified natural cosmetic and for palm oil free concepts. Like <b>dermo</b> feel <sup>®</sup> easymuls it can stabilize oil contents from 5% to 30% without increasing the viscosity considerably. Can be used without a co-emulsifier.	liquid	—	4,5 - 7,0	1 - 4%	11 - 15	

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

## W/O-Emulsifiers

product	INCI	characteristics	properties				
			form	melting point	use concentration	HLB	natural compliance
<b>sybio</b> <sup>®</sup> muls WO	Polyglyceryl-3 Polyricinoleate, Sorbitan Sesquioleate, Cetyl Ricinoleate, Glyceryl Caprate, Cera Alba, Magnesium Stearate, Aluminum Tristearate	Powerful and easy to use W/O emulsifier blend. For certified natural and conventional cosmetics. Optimum balanced cream base consisting of emulsifiers, waxes and stabilizers. Flexible manufacturing process (hot, cold, one-pot) for various cosmetic formulations from lotions to creams. Excellent stability even at elevated temperatures. Compatible with all kind of cosmetic oils.	paste	~35°C	5,0 - 10,0%	~4	
<b>NEW</b> <b>sybio</b> <sup>®</sup> muls WO AF	Polyglyceryl-3 Polyricinoleate; Sorbitan Sesquioleate; Cetyl Ricinoleate; Glyceryl Caprate; Cera Alba (Bees Wax); Magnesium Stearate	Emulsifier blend for W/O emulsions with a synergistic mixture of emulsifiers, waxes and stabilizers, free of Aluminium compounds. Balanced for optimum performance and stability. Allows for hot, cold, or one-pot manufacturing of cosmetics formulations with cream texture. Compatible with all kind of cosmetic oils and a large range of different oil concentrations.	paste	~38°C	5,0 - 10,0%	~4	
<b>dermo</b> feel <sup>®</sup> PGPR	Polyglyceryl-3 Polyricinoleate	Cost-effective PEG-free emulsifier based on vegetable raw materials. Suitable for W/O creams and lotions with a brilliant white appearance and pleasant application properties. Compatible with all kinds of cosmetic oils and commonly used active ingredients. Good in combination with <b>dermo</b> feel <sup>®</sup> PO. Also suitable as co-emulsifier in O/W concepts in which the formation of a protective film on the skin is desired.	viscous liquid	~35°C	2,0 - 6,0%	~4	
<b>dermo</b> feel <sup>®</sup> GO soft	Polyglyceryl-2 Sesquioleate	Cost-effective W/O emulsifier for natural and conventional cosmetics with an outstanding sensorial profile. Allows the formulation of W/O gel creams with a soft and light skin feel. Improves the creaming and whipping properties. Easy to process, good emulsion stability even at lower use levels. Also suitable as co-emulsifier for <b>dermo</b> feel <sup>®</sup> PGPR.	viscous liquid	<15°C	0,5 - 4,0%	~4	

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

# Co-Emulsifiers

product	INCI	characteristics	properties				
			form	pH-range	use concentration	HLB	natural compliance
<b>dermofeel® G 10 L</b>	Polyglyceryl-10 Laurate	Skin friendly co-emulsifier for low viscous O/W emulsions. Viscosity reducing effect for sprayable formulations.	paste	4,0 - 8,0	0,5 - 1%	~16	
<b>dermofeel® G 5 O</b>	Polyglyceryl-5 Oleate, Tocopherol, Helianthus Annuus (Sunflower) Seed Oil	PEG-free co-emulsifier and stabilizer for O/W and W/O emulsions. Excellent emulsifier for elegant, transparent oil gel formulations.	paste	4,0 - 8,0	1 - 6%	~11	
<b>dermofeel® G 5 L</b>	Polyglyceryl-5 Laurate	Natural texturizer and co-emulsifier for O/W emulsions and hydrogels. Helps to create a smooth structure improving the flow characteristics. In emulsions with high pigment content it improves gloss and texture.	paste	4,0 - 8,0	1 - 2%	~13	
<b>dermofeel® SL</b>	Sodium Stearoyl Lactylate	Natural based anionic co-emulsifier to improve the electrolyte tolerance of non-ionic emulsifiers.	powder	4,0 - 8,0	0,5 - 2%	10 - 14	
<b>dermofeel® PO</b>	Glyceryl Oleate	Co-emulsifier and stabilizer for W/O emulsions, ideal in combination with Polyglyceryl-3 Polyricinoleate. Very convenient use in production because of pelletized form.	pellets	4,0 - 8,0	1 - 3%	~4	
<b>dermofeel® viscolid</b>	Hydrogenated Vegetable Oil	Natural lipophilic stabilizer for W/O-emulsions. It stabilizes the oil phase without changing the sensorial profile of the product. In O/W-emulsions helps to stabilize the oil phase, leaving a light protecting film on the skin.	powder	unlimited	0,5 - 3%	—	
<b>dermofeel® viscolid palm oil free</b>	Hydrogenated Rapeseed Oil	Natural lipophilic stabilizer for W/O-emulsions in palm oil free quality. Based on local rapeseed this oil thickener stabilizes the oil phase without changing the sensorial profile of the product. In O/W-emulsions helps to stabilize the oil phase, leaving a light protecting film on the skin.	powder	unlimited	0,5 - 3%	—	

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

# Stabilizers

product	INCI	characteristics	properties				
			form	melting point	use concentration	HLB	natural compliance
<b>dermofeel® G 5 O</b>	Polyglyceryl-5 Oleate	Suitable as stabilizer and thickening agent for transparent oil gel formulations. 3,0 - 6,0% use concentration.	paste	~ 50°C	3 - 6%	~11	
<b>dermofeel® viscolid</b>	Hydrogenated Vegetable Oil	Natural lipophilic stabilizer for W/O-emulsions. It stabilizes the oil phase without changing the sensorial profile of the product. In O/W-emulsions helps to stabilize the oil phase, leaving a light protecting film on the skin.	powder	~ 60°C	3-10%	—	
<b>dermofeel® viscolid palm oil free</b>	Hydrogenated Rapeseed Oil	Natural lipophilic stabilizer for W/O-emulsions in palm oil free quality. Based on local rapeseed this oil thickener stabilizes the oil phase without changing the sensorial profile of the product. In O/W-emulsions helps to stabilize the oil phase, leaving a light protecting film on the skin.	powder	~ 60°C	3 - 10%	—	

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

# Rheological Additives

product	INCI	characteristics	properties					
			form	use concentration	HLB	refatting agent	viscosity regulating	natural compliance
<b>dermo</b> feel® PO	Glyceryl Oleate	PEG-free refatting agents with good thickening properties. For body washes, shampoos and liquid soaps. Provides a skin smoothing effect.	pellets	0,5 - 1,5%	~4	++	+	
<b>dermo</b> soft® DGMC	Polyglyceryl-2 Caprate	Mild and skin friendly vegetable based refatting agent. Viscosity increasing effect in surfactant based formulations for hair and skin care.	liquid	0,5 - 1,0%	~9	+	+	
<b>dermo</b> feel® P-30	PCA Glyceryl Oleate	Natural based PEG-free conditioner with thickening properties above 0,5%, it improves also foam creaminess in surfactant based products for skin and hair care products.	viscous liquid	0,5 - 2%	~9	++	++	

Legend: + = good, ++ = very good

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

# Solubilizer and Co-Surfactants

product	INCI	characteristics	properties					
			form	assay	use concentration	foaming/ foam stabilizing	HLB	natural compliance
<b>symbio</b> ®solv clear	Caprylyl/Capryl Glycoside; Aqua; Sodium Cocoyl Glutamate; Polyglyceryl-5 Oleate; Glyceryl Caprylate; Citric acid	PEG-free solubilizer blend for different types of perfumes and essential oils. This almost odorless solubilizer is perfect suitable for transparent aqueous solutions. It can be formulated without alcohol. Easy to handle.	liquid	~ 76%	max 5% ratio: 1:1 - 1:5 (oil: solubilizer)	moderate	~16	
<b>symbio</b> ®solv XC	Caprylyl/Capryl Wheat Bran/Straw Glycosides, Aqua, Fusel Wheat Bran/Straw Glycosides, Polyglyceryl-5 Oleate, Sodium Cocoyl Glutamate, Glyceryl Caprylate	Plant derived powerful PEG-free solubilizer blend for perfume and essential oils. Natural alternative for PEG-40 Hydrogenated Castor Oil. Suitable for transparent alcohol-free aqueous solutions. Easy to process.	liquid	~ 70%	max 5% ratio: 1:1 - 1:5 (oil: solubilizer)	moderate/yes	~16	
<b>dermo</b> feel® G 10 L	Polyglyceryl-10 Laurate	PEG-free solubilizer for aqueous solutions, tonics and wet wipes. Mild non-ionic secondary surfactant for hair and skin cleansing products.	paste	100%	1:3 - 1:5 (oil: solubilizer)	good/yes	~16	
<b>dermo</b> feel® G 10 LW	Polyglyceryl-10 Laurate, Aqua, Citric Acid	PEG-free solubilizer for aqueous solutions, tonics and wet wipes, mild non-ionic secondary surfactant for hair and skin cleansing products. 50% aqueous solution for better handling.	liquid	50%	1:5 - 1:10 (oil: solubilizer)	good/yes	~16	
<b>dermo</b> feel® G 5 O	Polyglyceryl-5 Oleate, Tocopherol, Helianthus Annuus (Sunflower) Seed Oil	PEG-free solubilizer for aqueous solutions, tonics and wet wipes.	paste	100%	1,0 - 3,0%	moderate/yes	~11	
<b>dermo</b> soft® SLL	Sodium Lauroyl Lactylate	Anionic co-surfactant for mild shampoo, shower and bath preparations. Improves foam quality and stability.	viscous liquid	100%	1,0 - 3,0%	very good/yes	13 - 17	

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

## The basis for optimum performance.

Oil components are the heart of a cosmetic composition, strongly influencing the skin feel and performance of the whole product. They are perceived by the user and will decide about the first and probably remaining impression of the product. This is the reason why it is so important for cosmetic formulators to carefully choose the oil components for the formulation. Many oils with different characteristics are available. It is crucial to balance the desired skin feel and the functionality that is to be achieved.

Within the **dermofeel®** range, Dr. Straetmans offers a range of functional oil components with mainly high spreadability which can furnish your product with an elegant sensoric profile. Also the viscosity shall be in a range that is accepted by the customer. Therefore the strong increase of viscosity and poor spreadability of products with high pigment load are bothersome, for example in the development of sunscreens. In these occasions it may be helpful to use oil components from our **dermofeel®** range that can carry a high pigment load, as it is required for compositions with high SPF.

# Oil Components

# Cosmetic Oils - Emollients

product	INCI	characteristics	properties							
			form	viscosity	spreadability	polarity	pigment dispersion	UV-Filter solubility	typical use levels	natural compliance
<b>dermofeel® BGC</b>	Butylene Glycol Dicaprylate/Dicaprate	High spreading ester oil with a pleasant, soft and dry skin feel and low occlusive characteristics. Very good solvating behaviour for oil-soluble UV-filter and excellent ability to disperse pigments.	liquid	~20 mPas	high	high	very good	very good	0,0 - 20,0%	
<b>dermofeel® TC-7</b>	Triheptanoin	High spreading natural ester oil with a pleasant and soft skin feel and low occlusive characteristics. Very good solvating behaviour for oil-soluble UV-filter and excellent ability to disperse pigments.	liquid	~20 mPas	high	high	very good	very good	0,0 - 20,0%	
<b>dermofeel® MCT</b>	Tricaprylin	Vegetable based ester oil. Universal emollient with good skin care properties.	liquid	~20 mPas	medium	high	fair	fair	0,0 - 20,0%	
<b>dermofeel® sensolv</b>	Isoamyl Laurate	Natural silicone replacement with elegant, dry and non greasy skin feel. Highly polar and fast spreading oil. Especially suitable for sun care and decorative cosmetics. For formulations with a pH between 5 - 7.	liquid	~8 mPas	high	high	very good	good	0,0 - 20,0%	

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

Innovative raw materials for alternative and economic preservation.

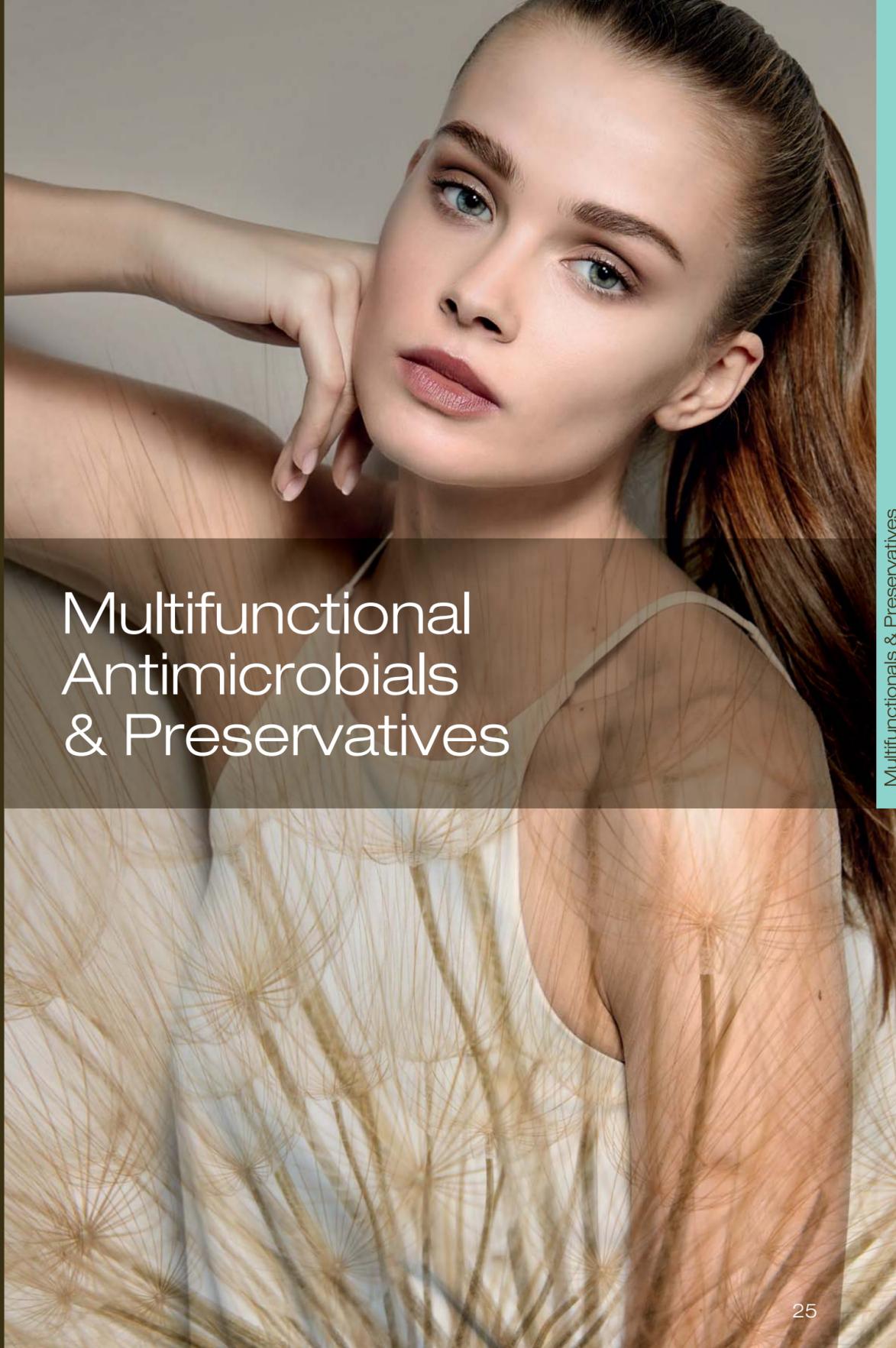
With our **Verstail**® products we added a carefully chosen line of traditional preservatives to our portfolio. Balancing out the different marketing and budget demands with the requirement to keep efficacy and safety at the highest level is the main focus of the **Verstail**® range.

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 multifunction antimicrobials have only been curiosities or interesting options, today, the use of these components as integral part of a preservation concept has become indispensable.

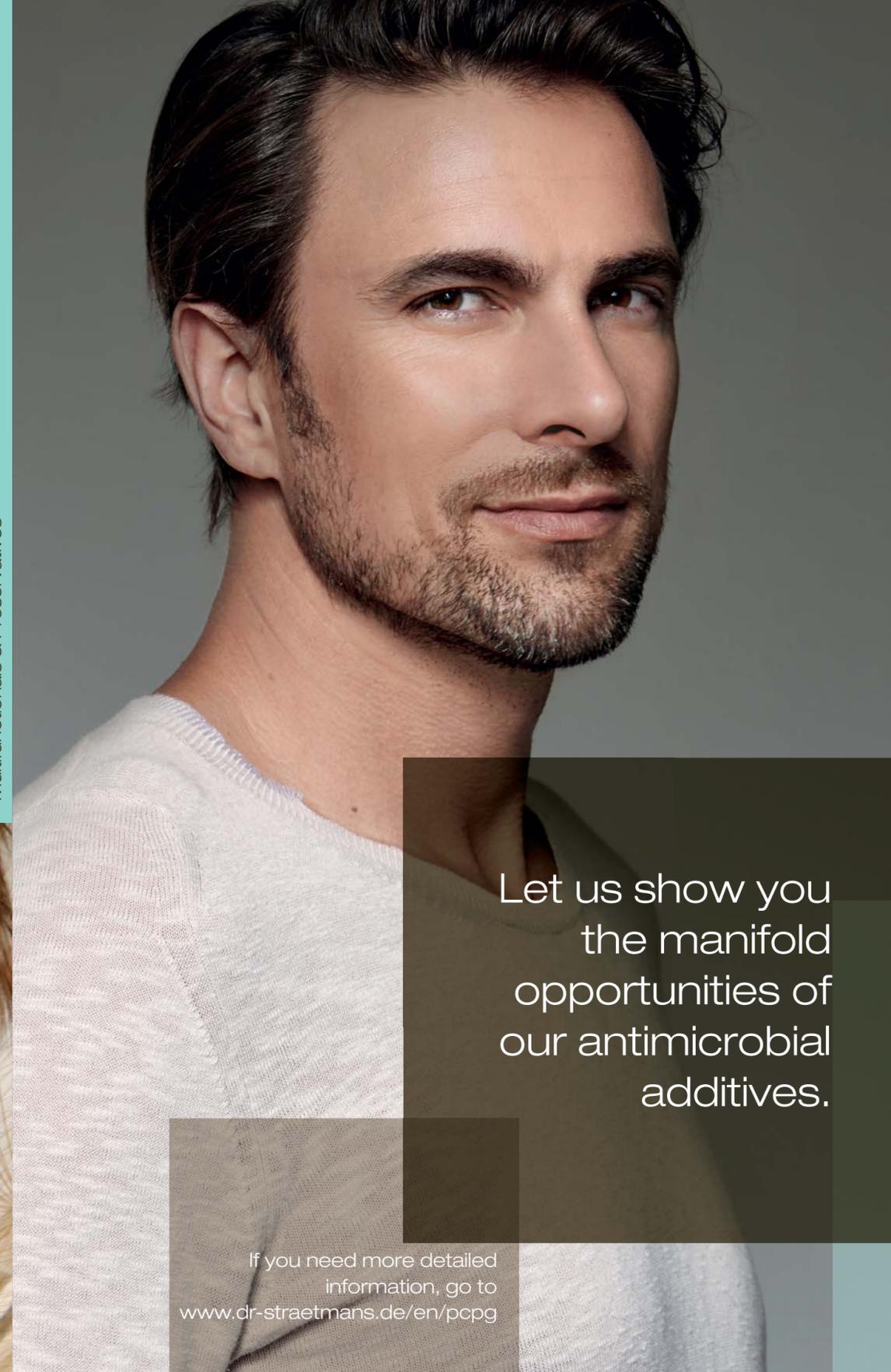
Both, the **dermosoft**® and **Verstail**® product line, alone or in combination, have proven their effectiveness as reliable preserving systems in thousands of challenge tests. With our new web tool (<http://dr-straetmans.de/en/pcpg>) we guide you through an extended range of publicly accepted antimicrobials 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.

Under the trade name **dermosoft**®, 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.

Please also refer to the formulation database on our homepage [www.dr-straetmans.de](http://www.dr-straetmans.de) in which you will find numerous formulations of proven antimicrobial stability.



## Multifunctional Antimicrobials & Preservatives



Let us show you the manifold opportunities of our antimicrobial additives.

If you need more detailed information, go to [www.dr-straetmans.de/en/pcpg](http://www.dr-straetmans.de/en/pcpg)

**PH VALUE 4,0 - 5,5** **O/W-EMULSIONS** **PH VALUE 5,5 - 7,0**

**dermosoft®** 1388 eco + GMCY or SLL  
**dermosoft®** 700B + 688 eco + GMCY or SLL  
 ← Phenethylalcohol nat. →  
 PH INDEPENDENT

**dermosoft®** GMCY + 688 eco (higher concentration)  
 Phenethylalcohol nat. + **dermosoft®** GMCY or SLL

**dermosoft®** 688 + 700B + Octiol  
**dermosoft®** 1388 + Octiol  
 ← **dermosoft®** OMP →  
 PH INDEPENDENT

**dermosoft®** MCA Variante  
**dermosoft®** LP

**Verstabil®** TBG (natural)  
**Verstabil®** TBO  
**Verstabil®** BOB

**Verstabil®** BP  
 ← **Verstabil®** PC or **Verstabil®** MPC →  
 PH INDEPENDENT

**CERTIFIED NATURAL / FREE OF LISTED PRESERVATIVES\***

**TRADITIONAL / FREE OF LISTED PRESERVATIVES\***

**PHENOXYETHANOL FREE\***

**PARABEN FREE / MIT FREE**

MAX PH 6,5

**PH VALUE 4,0 - 5,5** **W/O-EMULSIONS** **PH VALUE 5,5 - 7,0**

**dermosoft®** 700B + 688 eco + GMCY  
**dermosoft®** GMC

**dermosoft®** Octiol + **dermosoft®** 250

← **dermosoft®** OMP →  
 PH INDEPENDENT

**Verstabil®** TBG (natural)  
**Verstabil®** TBO  
**Verstabil®** BOB

**Verstabil®** BP  
 ← **Verstabil®** PC or **Verstabil®** MPC →  
 PH INDEPENDENT

**CERTIFIED NATURAL / FREE OF LISTED PRESERVATIVES\***

**TRADITIONAL / FREE OF LISTED PRESERVATIVES\***

**PHENOXYETHANOL FREE\***

**PARABEN FREE / MIT FREE**

MAX PH 6,0

**PH VALUE 4,0 - 5,5** **SURFACTANTS** **PH VALUE 5,5 - 7,0**

**dermosoft®** 1388 eco  
**dermosoft®** 688 eco + 700B

**dermosoft®** 1388  
**dermosoft®** 688 + 700B  
**dermosoft®** MCA Variante + **dermosoft®** 688  
 ← **dermosoft®** OMP →  
 PH INDEPENDENT

**dermosoft®** OM  
**dermosoft®** MCA Variante + **dermosoft®** 688  
 ← **dermosoft®** OMP →  
 PH INDEPENDENT

**Verstabil®** synacid  
**Verstabil®** SL non GMO (natural)  
**Verstabil®** BOB

**Verstabil®** MPC  
**Verstabil®** SL non GMO (natural)  
**Verstabil®** BP  
 ← **Verstabil®** PC or **Verstabil®** MPC →  
 PH INDEPENDENT

**CERTIFIED NATURAL / FREE OF LISTED PRESERVATIVES\***

**TRADITIONAL / FREE OF LISTED PRESERVATIVES\***

**PHENOXYETHANOL FREE\***

**PARABEN FREE / MIT FREE**

MAX PH 6,5

**PH VALUE 4,0 - 5,5** **AQUEOUS SYSTEMS** **PH VALUE 5,5 - 7,0**

**dermosoft®** 1388 eco + Solvent  
 ← Phenethylalcohol nat. →  
 PH INDEPENDENT

**dermosoft®** 1388 + Solvent  
**dermosoft®** Hexiol  
 ← **dermosoft®** PEA →  
 PH INDEPENDENT

← **dermosoft®** OMP →  
 PH INDEPENDENT

**Verstabil®** synacid  
**Verstabil®** TBO  
**Verstabil®** SL non GMO (natural)  
**Verstabil®** BOB

**Verstabil®** BL non GMO (natural)  
**Verstabil®** SL non GMO (natural)  
 ← **Verstabil®** PC or **Verstabil®** MPC →  
 PH INDEPENDENT

**CERTIFIED NATURAL / FREE OF LISTED PRESERVATIVES\***

**TRADITIONAL / FREE OF LISTED PRESERVATIVES\***

**PHENOXYETHANOL FREE\***

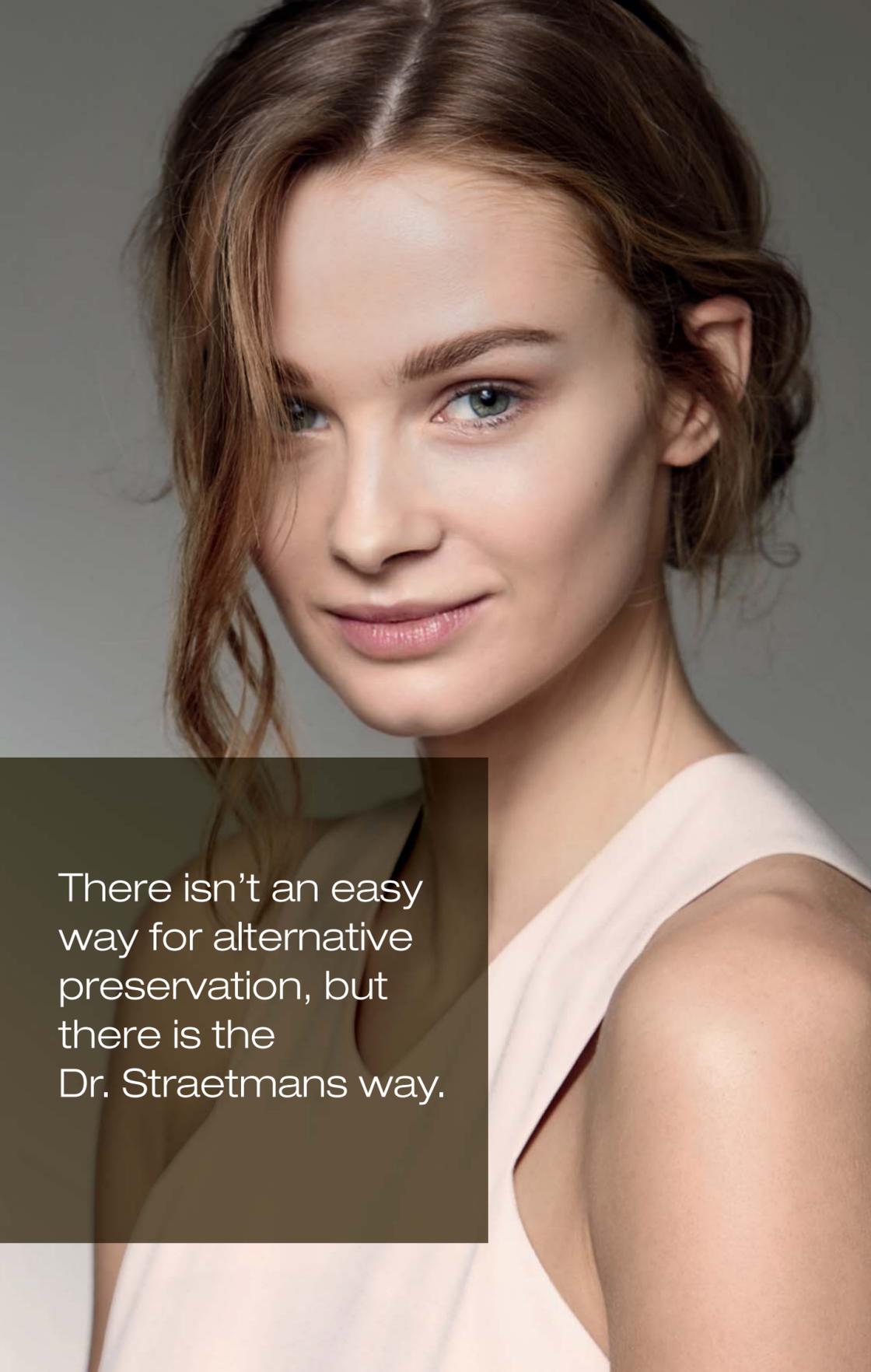
**PARABEN FREE / MIT FREE**

MAX PH 6,0

This recommendations should serve as a guidance for working with our **dermosoft®** and **Verstabil®** products.  
 \* Higher-ranking product-concepts include all qualities of minor product-concepts.

**dermosoft® and Verstabil® recommendations**

Don't hesitate to contact us to discuss specific project requirements or to discuss the possibility to fulfill special claims like parfum free.



There isn't an easy way for alternative preservation, but there is the Dr. Straetmans way.

## Multifunctionals - dermosoft® Product Range

product	INCI	characteristics	properties				cosmetic properties	antimicrobial efficacy*			
			form	dosage	pH-range	natural compliance		Gram+	Gram-	yeast	mold
dermosoft® 688 ..... dermosoft® 688 eco	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 ) 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® anisate ..... dermosoft® anisate eco	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 ) is recommended to improve the performance of the product even at higher pH.	powder	0,05 - 0,5%	4,0 - 6,5		Masking	✓		✓	✓✓
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	✓✓	✓✓	✓	
dermosoft® 1388 ..... dermosoft® 1388 eco ..... dermorganics® 1388	Glycerin, Aqua, Sodium Levulinate, Sodium Anisate	Convenient blend of plant derived organic acids with broad antimicrobial activity. pH dependent efficacy. Combination with antimicrobial surface active substance (e.g. dermosoft® GMCY) is recommended to improve the performance of the product.	liquid	2,0 - 4,0%	4,0 - 5,5	 	Masking, skin conditioning, pH regulating	✓✓	✓✓	✓✓	✓✓
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	✓	✓✓	✓✓	✓
NEW dermosoft® Hexiol	1,2-Hexanediol	Multifunctional additive with solvating 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® GMCY	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	Glyceryl Caprate	Vegetable based wetting agent with selective antimicrobial activity over a wide pH range. Suitable for W/O emulsions.	waxy solid	0,5 - 1,0%	4,0 - 7,0		Wetting, refatting	✓✓	✓	✓	
dermosoft® SLL	Sodium Lauroyl Lactylate	Vegetable based surfactant with selective antimicrobial activity. Low influence on stability and viscosity of emulsions.	viscous liquid	0,5 - 0,8%	4,0 - 7,0		Wetting, refatting	✓✓		✓✓	

Legend: ✓ = good, but needs a booster | ✓✓ = 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	properties				cosmetic properties	antimicrobial efficacy*			
			form	dosage	pH-range	natural compliance		Gram+	Gram-	yeast	mold
<b>dermosoft® 250</b>	Phenylpropanol	Fragrance ingredient with antimicrobial activity. Synergistic effect with <b>dermosoft® Octiol</b> . Easy application, pH independent.	liquid	0,05 - 0,2%	unlimited		Perfume	✓	✓✓	✓	✓
<b>dermosoft® PEA</b>	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	✓	✓✓	✓	✓
<b>Phenethylalcohol nat.</b>	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	✓	✓✓	✓	✓
<b>dermosoft® OM</b>	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	✓✓	✓✓	✓✓	✓
<b>dermosoft® OMP</b>	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	✓✓	✓✓	✓✓	✓✓
<b>dermosoft® LP</b>	Caprylyl Glycol, Glycerin, Glyceryl Caprylate, Phenylpropanol	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	✓✓	✓✓	✓✓	✓✓
<b>dermosoft® MCA Variante</b>	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 booster | ✓✓ = very good alone

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

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

# Preservatives - Verstatil® Product Range

product	INCI	characteristics	properties				cosmetic properties	antimicrobial efficacy*			
			form	dosage	pH-range	natural compliance		Gram+	Gram-	yeast	mold
<b>Verstatil®</b> 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	✓✓	✓✓	✓✓	✓✓
<b>Verstatil®</b> SL	Aqua; Sodium Levulinate; Potassium Sorbate	Combines the efficacy of a listed preservative with the mild, skin conditioning performance of a multifunctional organic acid. With broad antimicrobial activity especially in surfactant based and aqueous products.	liquid	1,5 - 2,0%	4,0 - 6,0		Preservative, masking	✓✓	✓✓	✓	✓
<b>Verstatil®</b> SL non GMO	Aqua; Sodium Levulinate; Potassium Sorbate	Mix of the preservative 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. <b>dermosoft®</b> Octiol, <b>dermosoft®</b> GMCY) is recommended to improve the performance of the product. Optimum pH < 6,0.	liquid	1,5 - 2,0%	4,0 - 6,0		Preservative, masking	✓✓	✓✓	✓	✓
<b>Verstatil®</b> 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	✓✓	✓✓	✓✓	✓✓
<b>Verstatil®</b> 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%	4,0 - 7,0		Preservative, perfuming, wetting	✓✓	✓✓	✓✓	✓✓
<b>Verstatil®</b> 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 - 1,5%	4,0 - 7,0		Preservative, wetting	✓✓	✓✓	✓✓	✓
<b>Verstatil®</b> TBG	Triethyl Citrate; Glyceryl Caprylate; Benzoic Acid	Innovative economic blend for reliable preservation of certified natural cosmetics products. Perfect 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	✓✓	✓✓	✓✓	✓
<b>Verstatil®</b> BL	Aqua; Sodium Levulinate; Sodium Benzoate	Synergistic blend of sodium benzoate with the skin conditioning agent levulinic acid for an excellent antimicrobial activity. Perfectly suitable for surfactant based products and tonics.	liquid	1,5 - 2,5%	4,0 - 6,0		Preservative, perfuming	✓✓	✓✓	✓	✓
<b>Verstatil®</b> BL non GMO	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. In emulsions, combination with boosting agent recommended.	liquid	1,5 - 2,5%	4,0 - 6,0		Preservative, perfuming	✓✓	✓✓	✓	✓
<b>NEW Verstatil®</b> 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	✓✓	✓✓	✓✓	✓✓
<b>NEW Verstatil®</b> 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	✓✓	✓✓	✓✓	✓

Legend: ✓ = good, but needs a booster | ✓✓ = very good alone

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

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

## Experience and passion meet revolutionary performance.

In our work we use the ingredients that best fit the concept. We can choose between our range of **Amylomer** products, **dermofeel**<sup>®</sup> quadegra or **ymbio**<sup>®</sup>quat, all of those are based on sustainable vegetable starch as a starting material. To gain the best performance of these natural polymers we use chemical modifications that create the profile for the different hair types. In some cases we combine our ingredients with those of other suppliers, if it is beneficial for the overall performance.

Developing hair care products requires several important elements:

- ...❖ Excellent hair care ingredients
- ...❖ Formulations that balance the different needs of the hair
- ...❖ Equipment for performance testing
- ...❖ Experienced formulators

When fully natural or certified products are to be developed, we have the natural ingredient **dermofeel**<sup>®</sup> P-30 at hand, which is the best choice for certified natural hair care.

Apart from offering our ingredients, we can teach our customers how to develop and evaluate their products, what combinations of actives can be used to create a unique product with maximal performance. For this we offer trainings and workshops in our hair care lab, where our experts discuss with you how to act in this specific market segment.

At Dr. Straetmans there are experienced and passionate hair care experts dedicating time to what our customers need. We develop new, modern hair care formulations every year. We invest a lot of time into these formulation works and testings to demonstrate the conditioner performance, foam production and quality, combability of the hair, reduction of build up effect and other product features important to create cutting edge hair care products.

## Hair Care Ingredients

# Conditioning Agents

product	INCI	characteristics	properties							application			
			form	assay	source	natural compliance	substantivity	wet combing	antistatic	shampoo/shower	conditioner/treatment	baby	skin care
<b>dermofeel®</b> quadegra	Aqua; Starch Hydroxypropyltrimonium Chloride; Urea; Sodium Lactate; Lactic Acid; Sodium Chloride; Glycerin; Levulinic Acid; p-Anisic Acid	Cationic conditioning agent derived from vegetable sources, free of listed preservatives and 100% biodegradable. Improves combability and manageability of hair without loss of volume. Creates a natural, soft and well conditioned hair feel.	liquid	~ 21%	potato		medium	very good	yes	++	+		
<b>dermofeel®</b> P-30	PCA Glyceryl Oleate	Plant derived hair and skin care conditioner for certified natural cosmetics. Improves smoothness and feel of the hair. Measurable combing force reduction up to 50%*. Positive influence on foam quality and viscosity of formulations.	viscous liquid	100%	wheat, palmoil		low	good	yes	++	++	++	++
<b>dermofeel®</b> sensolv	Isoamyl Laurate	Plant derived ester oil with exceptional silicon-like properties. Highly suitable for conditioner and treatments. As a conditioning agent it provides silky feel and gloss to the hair. No impact on the manageability, lastingness and volume of the hair.	liquid	100%	wheat, palmoil		low	good	no		++		++
<b>Amylomer</b> 50 M	Aqua; Starch Hydroxypropyltrimonium Chloride; Urea; Sodium Lactate; Lactic Acid; Sodium Chloride; Sodium Benzoate	Cationic conditioning agent derived from vegetable sources. Improves combability and manageability of hair without loss of volume. Creates a natural, soft and well conditioned hair feel.	liquid	~ 21%	potato		medium	very good	yes	++	+		
<b>Amylomer</b> H-Ni	Aqua; Sodium Hydroxypropyl Oxidized Starch Succinate; Sodium Lactate; Urea; Glycerin; Lactic Acid; Levulinic Acid; p-Anisic Acid; Sodium Chloride	Mild non-ionic conditioner with very low irritation potential. Improves combing and manageability of hair. Recommended for fine hair as well as sensitive skin and baby care.	liquid	~ 28%	potato		low	good	no	+	++	++	
<b>Amylomer</b> H 75 M	Aqua; Hydroxypropyl Oxidized Starch PG-Trimonium Chloride; Sodium Lactate; Sodium Chloride; Lactic Acid; Sodium Benzoate	Cost effective, cationic conditioner for hair care products. Highly substantive. Easy to handle, especially suited for clear products. Excellent performance without build up.	liquid	~ 29%	potato		high	very good	yes	++	+		+
<b>symbio®</b> quat	Aqua; Hydroxypropyl Oxidized Starch PG Trimonium Chloride; Starch Hydroxypropyl-trimonium Chloride; Sodium Lactate; Sodium Chloride; Urea; Lactic Acid; Glycerin; Levulinic Acid; p-Anisic Acid	Highly effective conditioning agent for hair and skin care products. Measurable combing force reduction up to 90%*. Ideal partner of Polyquaternium-10 to obtain maximum conditioning performance without build-up. Provides a silky and smooth skin feel to skin care preparations.	liquid	~ 22%	potato		high	very good	yes	++	++	+	++

Legend: + = good, ++ = very good

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

\* based on data from combing force measurements and in use tests

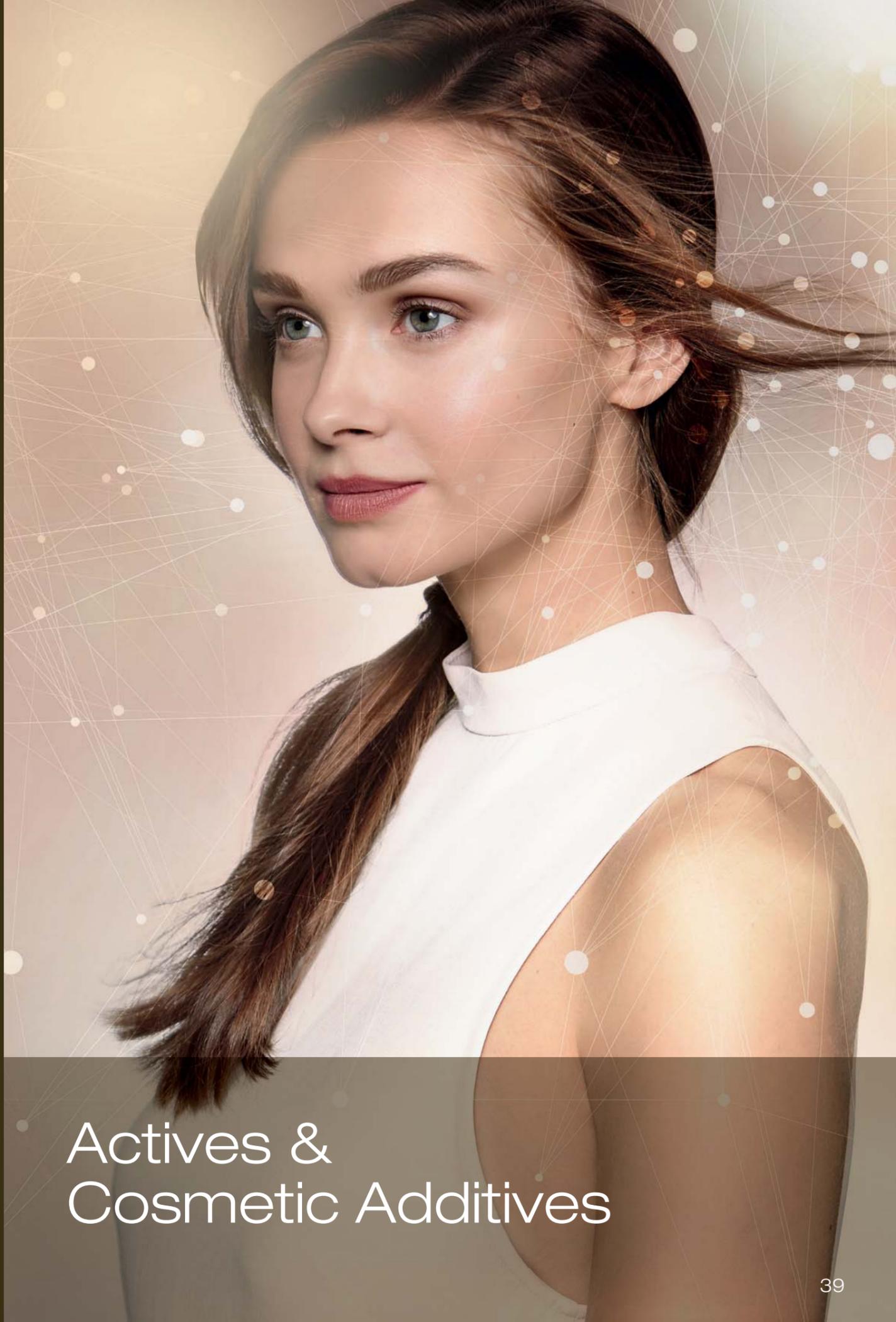
## Natural protection of skin and cosmetic products.

Dr. Straetmans raw materials aim to protect and stabilize cosmetic formulations.

The **dermosoft**<sup>®</sup> line targets to protect cosmetic products against microbiological spoilage. Within our **dermofeel**<sup>®</sup> product line we offer cosmetic additives, which are able to protect the natural ingredients in a formulation against oxidation. Using combinations of our natural mixed tocopherols, Vitamin C and our natural chelators a formulator can achieve the desired protection of his formulation.

Protection as a key word also expands to skin protection, our cosmetic additives are well known for their efficient activity.

After years of experience working with our **dermosoft**<sup>®</sup> line, we can proudly say that **dermosoft**<sup>®</sup> products can do more. Some of them show selected activity against specific microorganisms, which can cause skin disorders. This makes them valuable alternatives to control e.g. dandruff, athlete's foot, acne or body odour. These natural ingredients can be used instead of traditional actives system showing comparable or even superior efficacy.



## Actives & Cosmetic Additives

# Active Ingredients

product	INCI	characteristics	properties			application				
			form	use concentration	natural compliance	acne	deo	foot care	whitening	anti-aging
<b>dermo</b> soft® decalact	Sodium Caproyl/Lauroyl Lactylate	Natural agent with antimicrobial properties. Highly effective against microorganisms causing skin disorders like dandruff, acne and athlete's foot. Natural and mild replacement for triclosan and climbazole.	viscous liquid	0,5 - 2%		+	+	++		
<b>dermo</b> soft® decalact deo	Sodium Caproyl/Lauroyl Lactylate; Triethyl Citrate; Salvia Officinalis (Sage) Oil	Natural deo active blend with antimicrobial properties. Highly effective against microorganisms causing body odour. Proven in-vivo 24h-deodorant activity. Easy to use.	liquid	0,3 - 1%			++			
<b>dermo</b> soft® decalact liquid	Sodium Caproyl/Lauroyl Lactylate; Triethyl Citrate	Low viscous convenience blend based on <b>dermo</b> soft® decalact for easy handling with analogous antimicrobial properties.	liquid	0,7 - 1,2%		+	+	++		
<b>dermo</b> soft® GMC	Glyceryl Caprate	Selective efficacy against gram+ bacteria. Suitable for perfume-free concepts.	waxy solid	0,5 - 1%		+	+			
<b>dermo</b> soft® DGMC	Polyglyceryl-2 Caprate	Selective efficacy against gram+ bacteria. Suitable for perfume-free concepts.	liquid	0,3 - 0,5%		+	+			
<b>dermo</b> feel® TEC eco	Triethyl Citrate	Natural colourless and odourless oily liquid for use in deodorant formulations. Inhibits esterase based metabolism of sweat components causing malodour. Does not affect the natural skin flora.	liquid	1 - 5%			+	+		
<b>dermo</b> feel® 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	0,5 - 2,0%						++
<b>dermo</b> feel® E 67 non GMO	Tocopherol, Helianthus Annuus (Sunflower) Seed Oil	Plant derived alpha-Tocopherol (vitamin E). Antioxidant and radical scavenger in human skin.	liquid	0,05 - 1,0%						++
<b>dermo</b> feel® Ascorbyl Palmitate	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 melanine formation.	powder	0,1 - 1,0%					+	++
<b>dermo</b> feel® PA	Phytic Acid, Aqua	Natural whitening agent. Inhibits melanine formation by blocking the activity of iron and copper in melanogenesis. Mild keratolytic and exfoliating properties at higher concentration.	liquid	1,0 - 2,0%					+	
<b>dermo</b> feel® PA-3	Sodium Phytate, Aqua, Alcohol	Stabilized solution of the natural whitening agent phytic acid. Inhibits melanine formation by blocking the activity of iron and copper in melanogenesis. Mild keratolytic and exfoliating properties at higher concentration.	liquid	1,0 - 2,0%					+	
<b>dermo</b> feel® enlight	Aqua; Sodium Phytate; Glycerin; Morus Alba Fruit Extract	A natural effective whitening active. This blend is based on phytic acid and mulberry extract with in vivo proven activity. It is especially suitable for natural age spot correction applications and skin whitening products.	liquid	2,0%						++

Legend: + = good, ++ = very good

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

# Additives

product	INCI	characteristics	properties			
			form	assay	use concentration	natural compliance
<b>dermofeel®</b> PA	Phytic Acid, Aqua	Natural chelating agent. Synergistic in combination with cosmetic antioxidants. Natural EDTA replacement.	liquid	50%	0,05 - 0,2%	
<b>dermofeel®</b> PA-3	Sodium Phytate, Aqua, Alcohol	Natural chelating agent. Synergistic in combination with cosmetic antioxidants. Natural EDTA replacement.	liquid	50%	0,05 - 0,2%	
<b>dermofeel®</b> PA-12	Sodium Phytate	Natural chelating agent. Synergistic in combination with cosmetic antioxidants. Natural EDTA replacement.	powder	96%	0,05 - 0,2%	
<b>dermofeel®</b> 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%	
<b>dermofeel®</b> Toco 70	Tocopherol, Helianthus Annuus (Sunflower) Seed Oil	Antioxidant for cosmetic formulations. Natural composition of mixed tocopherols. Effective protection of oxidizable ingredients.	liquid	70%	0,05 - 1,0%	
<b>dermofeel®</b> 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%	
<b>dermofeel®</b> MT 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%	
<b>dermorganics®</b> Glycerin	Glycerin	Glycerin from organic sources.	liquid	>99,2%	0,0 - 20,0%	 certified organic

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

# Dr. Straetmans worldwide network

Together with our international partners we have established a worldwide distribution network with local presence in Europe, Asia-Pacific, Latin-America and the US

## Americas

### Argentina

nordest nova s.a.  
E-Mail: sergio.egrassi@nordest-nova.com  
www.nordest-nova.com

### Brazil

Beraca Sabara Quimicos e ingredientes S.A.  
E-Mail: alice@beraca.com  
www.beraca.com

### Chile

Maprin Representaciones Ltda.  
E-Mail: JCroxatto@Maprin.cl

### Colombia

Cosphatech Colombia  
E-Mail: jayala@cosphatech.com

### Mexico

Cosphatech USA, LLC  
E-Mail: mpfeiffer@cosphatech.com  
www.cosphatech.com

### USA/Canada

Kinetik Technologies, Inc.  
E-Mail: chj@kinetiktech.com  
Web: www.kinetiktech.com

## Europe

### Benelux

Jan van Laarhoven-Waalwijk b.v.  
E-Mail: laarhoven@planet.nl

### Bulgaria/Romania

Checoma E.O.O.D.  
E-Mail: pmakedonski@checoma.com  
www.checoma.com

### Croatia/Slovenia

Biesterfeld Spezialchemie d.o.o.  
E-Mail: k.smojver@biesterfeld.com  
www.biesterfeld-spezialchemie.com

### Cyprus

Cellco Chemicals Ltd.  
E-Mail: paraskevopoulos@cellco.gr

### Czech Republic/Slovakia

Biesterfeld Silcom s.r.o.  
E-Mail: terezie.sestakova@bisi.cz  
www.bisi.cz

### Denmark/Iceland/Norway

Bionord A/S  
E-Mail: info@bionord.dk  
www.bionord.dk

### France

Lucas Meyer Cosmetics S.A.  
E-Mail: info@lucasmeyercosmetics.com  
www.lucasmeyercosmetics.com

### Great Britain/Ireland

Infinity Ingredients  
E-Mail: andrew.goodwin@infinity-ingredients.co.uk  
www.infinity-ingredients.co.uk

### Greece

Cellco Chemicals Ltd.  
E-Mail: paraskevopoulos@cellco.gr

### Hungary

Biesterfeld Speciális Kemikáliák  
Magyarország Kft.  
E-Mail: l.verekei@biesterfeld.hu  
www.biesterfeld-specialis.hu

### Italy

Pharma Cosm Polli srl  
E-Mail: info@pharmacosm.it  
www.pharmacosm.it

### Poland/Latvia/Lithuania /Estonia

Biesterfeld Chemia Specjalna Sp. z o.o.  
E-Mail: r.borzyminska@biesterfeld.com.pl  
www.biesterfeld-chemiaspecjalna.pl

### Russia

OOO Biesterfeld Rus  
E-Mail: a.zakharov@biesterfeld.ru  
www.biesterfeld-spezialchemie.ru

### Spain/Portugal/Morocco

Comercial Quimica Jover, S.L.  
E-Mail: comercial@cqjover.com  
www.cqjover.com

### Sweden/Finland

Bionord AB  
E-Mail: lena@bionord.se  
www.bionord.se

### Switzerland

Rahn AG  
E-Mail: cosmetics@rahn-group.com  
www.rahn.ch

### Ukraine

LLC Biesterfeld Spezialchemie  
E-Mail: o.khondzinskaya@biesterfeld.com.ua  
www.biesterfeld-spezialchemie.com

## Asia/Pacific

### Australia

Avenir Ingredients  
E-Mail: sharon@aveniringredients.com.au  
www.aveniringredients.com.au

### China

Shanghai Hope-Tec Biotechnology Inc  
E-Mail: shanghai@htchem.com.cn  
www.htchem.com.cn

### India

N.V. Organics PVT. LTD.  
E-Mail: gautam@nvorganics.com  
www.nvorganics.com

### Indonesia

Ingredients Plus P/L  
E-Mail: m.chondrodihardjo@ingredientsplus.co.id  
www.ingredientsplus.com.au

### Iran

Tooska-E-Khorasan Trading Co.  
E-Mail: hrt@tooskaco.com  
www.tooskaco.com

### Israel

Tagra Biotechnologies Ltd.  
E-Mail: roni@tagra.com  
www.efal.com

### Japan

GSI Creos Corporation  
E-Mail: hi07-gsi@yo.rim.or.jp

### Jordan/Lebanon/Syria/Saudi-Arabia

Performance Ingredients  
E-Mail: bab@performance-ingredients.com

### Korea

HANA Trading Company  
E-Mail: Hoffnung@hitel.net

### Malaysia/Singapore

Ingredients Plus  
E-Mail: chaist@ingredientsplus.com.my  
http://www.ingredientsplus.com.au/

### New Zealand

Verital Innovations Ltd.  
E-Mail: patrycja@verital.co.nz  
www.verital.co.nz

### Phillippines

CTC Far East Phils. Inc.  
E-Mail: bpc@ctc-group.com.ph  
www.ctc-group.com

### Taiwan

HonorChem Co. Ltd.  
E-Mail: candace@honorchem.com  
www.honorchem.com

## Africa

### Egypt

Performance Ingredients  
E-Mail: bab@performance-ingredients.com

### South Africa

Meganede  
E-Mail: megan.jones@meganede.com  
www.meganede.com

# Index of products by trade names

Tradename	INCI Name	Page	
<b>Amylomer</b> 50 M	Aqua; Starch Hydroxypropyltrimonium Chloride; Urea; Sodium Lactate; Lactic Acid; Sodium Chloride; Sodium Benzoate	38	
<b>Amylomer</b> H 75 M	Aqua; Hydroxypropyl Oxidized Starch PG-Trimonium Chloride; Sodium Lactate; Sodium Chloride; Lactic Acid; Sodium Benzoate	38	
<b>Amylomer</b> H-Ni	Aqua; Sodium Hydroxypropyl Oxidized Starch Succinate; Sodium Lactate; Urea; Glycerin; Lactic Acid; Levulinic Acid; p-Anisic Acid; Sodium Chloride	38	
<b>dermofeel</b> ® Ascorbyl Palmitate	Ascorbyl Palmitate	40	
<b>dermofeel</b> ® BGC	Butylene Glycol Dicaprylate/Dicaprate	22	
<b>dermofeel</b> ® easymuls plus	Glyceryl Oleate Citrate	12	
<b>dermofeel</b> ® enlight	Aqua; Sodium Phytate; Glycerin; Morus Alba Fruit Extract	40	
<b>dermofeel</b> ® E 67 non GMO	Tocopherol; Helianthus Annuus (Sunflower) Seed Oil	40	
<b>dermofeel</b> ® E 74 A non GMO	Tocopheryl Acetate; Helianthus Annuus (Sunflower) Seed Oil	40	
<b>dermofeel</b> ® G 10 L	Polyglyceryl-10 Laurate	16, 18	
<b>dermofeel</b> ® G 10 LW	Polyglyceryl-10 Laurate, Aqua, Citric Acid	18	
<b>dermofeel</b> ® G 5 L	Polyglyceryl-5 Laurate	16	
<b>dermofeel</b> ® G 5 O	Polyglyceryl-5 Oleate, Tocopherol, Helianthus Annuus (Sunflower) Seed Oil	16, 18	
<b>dermofeel</b> ® GO soft	Polyglyceryl-2 Sesquioleate	14	
<b>dermofeel</b> ® GSC	Glyceryl Stearate Citrate	12	
<b>dermofeel</b> ® GSC palm oil free	Glyceryl Stearate Citrate	12	
<b>dermofeel</b> ® MCT	Tricaprylin	22	
<b>dermofeel</b> ® MT 70 non GMO	Tocopherol, Helianthus Annuus (Sunflower) Seed Oil	42	
<b>dermofeel</b> ® P-30	PCA Glyceryl Oleate	18, 36	
<b>dermofeel</b> ® PA	Phytic Acid; Aqua	40	
<b>dermofeel</b> ® PA-12	Sodium Phytate	42	
<b>dermofeel</b> ® PA-3	Sodium Phytate; Aqua; Alcohol	40, 42	
<b>dermofeel</b> ® PGPR	Polyglyceryl-3 Polyricinoleate	14	
<b>dermofeel</b> ® PO	Glyceryl Oleate	16, 18	
<b>dermofeel</b> ® PP	Polyglyceryl-3 Palmitate	12	
<b>dermofeel</b> ® PS	Polyglyceryl-3 Stearate	12	
<b>dermofeel</b> ® quadegra	Aqua; Starch Hydroxypropyltrimonium Chloride; Urea; Sodium Lactate; Lactic Acid; Sodium Chloride; Glycerin; Levulinic Acid; p-Anisic Acid	36	
<b>dermofeel</b> ® sensolv	Isoamyl Laurate	22, 36	
<b>dermofeel</b> ® SL	Sodium Stearoyl Lactylate	12, 16	
<b>dermofeel</b> ® TC-7	Triheptanoin	22	

Tradename	INCI Name	Page	
<b>dermofeel</b> ® TEC eco	Triethyl Citrate	40	
<b>dermofeel</b> ® Toco 50 non GMO	Tocopherol; Helianthus Annuus (Sunflower) Seed Oil	42	
<b>dermofeel</b> ® Toco 70	Tocopherol; Helianthus Annuus (Sunflower) Seed Oil	42	
<b>dermofeel</b> ® Toco 70 non GMO	Tocopherol; Helianthus Annuus (Sunflower) Seed Oil	42	
<b>dermofeel</b> ® viscolid	Hydrogenated Vegetable Oil	16	
<b>dermofeel</b> ® viscolid palm oil free	Hydrogenated Rapeseed Oil	16	
<b>dermorganics</b> ® 1388	Glycerin, Aqua, Sodium Levulinate, Sodium Anisate	28	
<b>dermorganics</b> ® Glycerin	Glycerin	42	
<b>dermosoft</b> ® 1388	Glycerin; Aqua, Sodium Levulinate; Sodium Anisate	26, 27, 28	
<b>dermosoft</b> ® 1388 eco	Glycerin; Aqua, Sodium Levulinate; Sodium Anisate	26, 27, 28	
<b>dermosoft</b> ® 250	Phenylpropanol	26, 28	
<b>dermosoft</b> ® 688	p-Anisic Acid	26, 27, 28	
<b>dermosoft</b> ® 688 eco	p-Anisic Acid	26, 27, 28	
<b>dermosoft</b> ® 700B	Levulinic Acid; Sodium Levulinate; Glycerin; Aqua	26, 27, 28	
<b>dermosoft</b> ® anisate	Sodium Anisate	28	
<b>dermosoft</b> ® anisate eco	Sodium Anisate	28	
<b>dermosoft</b> ® decalact	Sodium Caproyl/Lauroyl Lactylate	40	
<b>dermosoft</b> ® decalact liquid	Sodium Caproyl/Lauroyl Lactylate; Triethyl Citrate	40	
<b>dermosoft</b> ® decalact deo	Sodium Caproyl/Lauroyl Lactylate; Triethyl Citrate; Salvia Officinalis (Sage) Oil	40	
<b>dermosoft</b> ® DGMC	Polyglyceryl-2 Caprate	18, 40	
<b>dermosoft</b> ® GMC	Glyceryl Caprate	26, 28	
<b>dermosoft</b> ® GMCY	Glyceryl Caprylate	26, 28	
<b>dermosoft</b> ® Hexiol	1,2-Hexanediol	27, 28	
<b>dermosoft</b> ® LP	Caprylyl Glycol; Glycerin; Glyceryl Caprylate; Phenylpropanol; Aqua	26, 30	
<b>dermosoft</b> ® MCA Variante	Caprylyl Glycol; Glyceryl Caprylate; Dipropylene Glycol	26, 27, 30	
<b>dermosoft</b> ® Octiol	Caprylyl Glycol	26, 28	
<b>dermosoft</b> ® OM	Methylpropanediol; Caprylyl Glycol	30	

# Index of products by trade names

Tradename	INCI Name	Page	
<b>dermo</b> soft® OMP	Methylpropanediol; Caprylyl Glycol; Phenylpropanol	26, 27, 30	
<b>dermo</b> soft® SLL	Sodium Lauroyl Lactylate	18, 26, 28	
<b>dermo</b> soft® PEA	Phenethyl Alcohol	27, 28	
<b>Phenethylalcohol</b> nat.	Phenethyl Alcohol	26, 27, 30	
<b>symbio</b> ®muls GC	Glyceryl Stearate Citrate; Cetearyl Alcohol; Glyceryl Caprylate	12	
<b>symbio</b> ®muls rich	Polyglyceryl-3 Stearate; Behenyl Alcohol; Glyceryl Stearat Citrate; Helianthus Annuus Seed Cera; Glyceryl Caprate; Tocopherol; Ascorbyl Palmitate; Helianthus Annuus Seed Oil	12	
<b>symbio</b> ®muls WO	Polyglyceryl-3 Polyricinoleate; Sorbitan Sesquioleate; Cetyl Ricinoleate; Glyceryl Caprate; Cera Alba ; Magnesium Stearate; Aluminum Tristearate	14	
<b>symbio</b> ®muls WO AF	Polyglyceryl-3 Polyricinoleate; Sorbitan Sesquioleate; Cetyl Ricinoleate; Glyceryl Caprate; Cera Alba (Bees Wax); Magnesium Stearate	14	
<b>symbio</b> ®quat	Aqua; Hydroxypropyl Oxidized Starch PG Trimonium Chloride, Starch Hydroxypropyltrimonium Chloride; Sodium Lactate; Sodium Chloride; Urea; Lactic Acid; Glycerin; Levulinic Acid; p-Anisic Acid	36	
<b>symbio</b> ®solv clear	Caprylyl/Capryl Glycoside; Aqua; Sodium Cocoyl Glutamate; Polyglyceryl-5 Oleate; Glyceryl Caprylate; Citric acid	18	
<b>symbio</b> ®solv XC	Caprylyl/Capryl Wheat Bran/Straw Glycosides; Aqua; Fusel Wheat Bran/Straw Glycosides; Polyglyceryl-5 Oleate; Sodium Cocoyl Glutamate; Glyceryl Caprylate	18	
<b>Verstatil</b> ® BL	Aqua; Sodium Levulinate; Sodium Benzoate	32	
<b>Verstatil</b> ® BL non GMO	Aqua; Sodium Levulinate; Sodium Benzoate	27, 32	
<b>Verstatil</b> ® BOB	Benzyl Alcohol; Caprylyl Glycol; Benzoic Acid	26, 27, 32	
<b>Verstatil</b> ® BP	Phenoxyethanol; Benzoic Acid	26, 27, 32	
<b>Verstatil</b> ® MPC	Methylpropanediol; Phenoxyethanol; Caprylyl Glycol	26, 27, 32	
<b>Verstatil</b> ® PC	Phenoxyethanol, Caprylyl Glycol	26, 32	
<b>Verstatil</b> ® SL	Aqua; Sodium Levulinate; Potassium Sorbate	32	
<b>Verstatil</b> ® SL non GMO	Aqua; Sodium Levulinate; Potassium Sorbate	27, 32	
<b>Verstatil</b> ® synacid	Aqua; Glycerin; Sodium Levulinate; Sodium Salicylate; Sodium Anisate	27, 32	
<b>Verstatil</b> ® TBG	Triethyl Citrate; Glyceryl Caprylate; Benzoic Acid	26, 27, 32	
<b>Verstatil</b> ® TBO	Triethyl Citrate; Caprylyl Glycol; Benzoic Acid	26, 27, 32	

# Index of products by INCI names

INCI Name	Tradename	Page	
1,2-Hexanediol	<b>dermo</b> soft® Hexiol	27, 28	
Aqua; Glycerin; Sodium Levulinate; Sodium Salicylate; Sodium Anisate	<b>Verstatil</b> ® synacid	27, 32	
Aqua; Hydroxypropyl Oxidized Starch PG Trimonium Chloride, Starch Hydroxypropyltrimonium Chloride; Sodium Lactate; Sodium Chloride; Urea; Lactic Acid; Glycerin; Levulinic Acid; p-Anisic Acid	<b>symbio</b> ®quat	36	
Aqua; Hydroxypropyl Oxidized Starch PG-Trimonium Chloride; Sodium Lactate; Sodium Chloride; Lactic Acid; Sodium Benzoate	<b>Amylomer</b> H 75 M	36	
Aqua; Sodium Hydroxypropyl Oxidized Starch Succinate; Sodium Lactate; Urea; Glycerin; Lactic Acid; Levulinic Acid; p-Anisic Acid; Sodium Chloride	<b>Amylomer</b> H-NI	36	
Aqua; Sodium Levulinate; Potassium Sorbate	<b>Verstatil</b> ® SL	32	
Aqua; Sodium Levulinate; Potassium Sorbate	<b>Verstatil</b> ® SL non GMO	27, 32	
Aqua; Sodium Levulinate; Sodium Benzoate	<b>Verstatil</b> ® BL	32	
Aqua; Sodium Levulinate; Sodium Benzoate	<b>Verstatil</b> ® BL non GMO	27, 32	
Aqua; Sodium Phytate; Glycerin; Morus Alba Fruit Extract	<b>dermo</b> feel® enlight	40	
Aqua; Starch Hydroxypropyltrimonium Chloride; Urea; Sodium Lactate; Lactic Acid; Sodium Chloride; Glycerin; Levulinic Acid; p-Anisic Acid	<b>dermo</b> feel® quadegra	36	
Aqua; Starch Hydroxypropyltrimonium Chloride; Urea; Sodium Lactate; Lactic Acid; Sodium Chloride; Sodium Benzoate	<b>Amylomer</b> 50 M	36	
Ascorbyl Palmitate	<b>dermo</b> feel® Ascorbyl Palmitate	40	
Benzyl Alcohol; Caprylyl Glycol; Benzoic Acid	<b>Verstatil</b> ® BOB	26, 27, 32	
Butylene Glycol Dicaprylate/Dicaprate	<b>dermo</b> feel® BGC	22	
Caprylyl/Capryl Glycoside; Aqua; Sodium Cocoyl Glutamate; Polyglyceryl-5 Oleate; Glyceryl Caprylate; Citric acid	<b>symbio</b> ®solv clear	18	
Caprylyl/Capryl Wheat Bran/Straw Glycosides; Aqua; Fusel Wheat Bran/Straw Glycosides; Polyglyceryl-5 Oleate; Sodium Cocoyl Glutamate; Glyceryl Caprylate	<b>symbio</b> ®solv XC	18	
Caprylyl Glycol	<b>dermo</b> soft® Octiol	26, 28	
Caprylyl Glycol; Glycerin; Glyceryl Caprylate; Phenylpropanol; Aqua	<b>dermo</b> soft® LP	26, 30	
Caprylyl Glycol; Glyceryl Caprylate; Dipropylene Glycol	<b>dermo</b> soft® MCA Variante	18	

# Index of products by INCI names

INCI Name	Tradenname	Page	
Glycerin	<b>dermorganics</b> ® Glycerin	42	
Glycerin, Aqua, Sodium Levulinate; Sodium Anisate	<b>dermorganics</b> ® 1388	28	
Glycerin; Aqua, Sodium Levulinate; Sodium Anisate	<b>dermosoft</b> ® 1388 eco	26, 27, 28	
Glycerin; Aqua, Sodium Levulinate; Sodium Anisate	<b>dermosoft</b> ® 1388	26, 27, 28	
Glyceryl Caprate	<b>dermosoft</b> ® GMC	26, 28	
Glyceryl Caprylate	<b>dermosoft</b> ® GMCY	26, 28	
Glyceryl Oleate	<b>dermofeel</b> ® PO	16, 18	
Glyceryl Oleate Citrate	<b>dermofeel</b> ® easymuls plus	12	
Glyceryl Stearate Citrate	<b>dermofeel</b> ® GSC	12	
Glyceryl Stearate Citrate	<b>dermofeel</b> ® GSC palm oil free	12	
Glyceryl Stearate Citrate; Cetearyl Alcohol; Glyceryl Caprylate	<b>ymbio</b> ®muls GC	12	
Hydrogenated Rapeseed Oil	<b>dermofeel</b> ® viscolid palm oil free	16	
Hydrogenated Vegetable Oil	<b>dermofeel</b> ® viscolid	16	
Isoamyl Laurate	<b>dermofeel</b> ® sensolv	22, 36	
Levulinic Acid; Sodium Levulinate; Glycerin; Aqua	<b>dermosoft</b> ® 700B	26, 27, 28	
Methylpropanediol; Caprylyl Glycol	<b>dermosoft</b> ® OM	30	
Methylpropanediol; Caprylyl Glycol; Phenylpropanol	<b>dermosoft</b> ® OMP	26, 27, 30	
Methylpropanediol; Phenoxyethanol; Caprylyl Glycol	<b>Verstatil</b> ® MPC	26, 27, 32	
p-Anisic Acid	<b>dermosoft</b> ® 688	26, 27, 28	
p-Anisic Acid	<b>dermosoft</b> ® 688 eco	26, 27, 28	
PCA Glyceryl Oleate	<b>dermofeel</b> ® P-30	18,36	
Phenethyl Alcohol	<b>dermosoft</b> ® PEA	27, 30	
Phenethyl Alcohol	<b>Phenethylalcohol</b> nat.	26, 27, 30	
Phenoxyethanol, Caprylyl Glycol	<b>Verstatil</b> ® PC	26, 32	
Phenoxyethanol; Benzoic Acid	<b>Verstatil</b> ® BP	26, 27, 32	
Phenylpropanol	<b>dermosoft</b> ® 250	26, 30	
Phytic Acid; Aqua	<b>dermofeel</b> ® PA	40, 42	
Polyglyceryl-2 Caprate	<b>dermosoft</b> ® DGMC	18, 40	
Polyglyceryl-2 Sesquioleate	<b>dermofeel</b> ® GO soft	14	
Polyglyceryl-3 Palmitate	<b>dermofeel</b> ® PP	12	

INCI Name	Tradenname	Page	
Polyglyceryl-3 Polyricinoleate	<b>dermofeel</b> ® PGPR	14	
Polyglyceryl-3 Polyricinoleate; Sorbitan Sesquioleate; Cetyl Ricinoleate; Glyceryl Caprate; Cera Alba ; Magnesium Stearate; Aluminum Tristearate	<b>ymbio</b> ®muls WO	14	
Polyglyceryl-3 Polyricinoleate; Sorbitan Sesquioleate; Cetyl Ricinoleate; Glyceryl Caprate; Cera Alba (Bees Wax); Magnesium Stearate	<b>ymbio</b> ®muls WO AF	14	
Polyglyceryl-3 Stearate	<b>dermofeel</b> ® PS	12	
Polyglyceryl-3 Stearate; Behenyl Alcohol; Glyceryl Stearate Citrate; Helianthus Annuus Seed Cera; Glyceryl Caprate; Tocopherol; Ascorbyl Palmitate; Helianthus Annuus Seed Oil	<b>ymbio</b> ®muls rich	12	
Polyglyceryl-5 Laurate	<b>dermofeel</b> ® G 5 L	16	
Polyglyceryl-5 Oleate, Tocopherol, Helianthus Annuus (Sunflower) Seed Oil	<b>dermofeel</b> ® G 5 O	16, 18	
Polyglyceryl-10 Laurate	<b>dermofeel</b> ® G 10 L	16, 18	
Polyglyceryl-10 Laurate, Aqua, Citric Acid	<b>dermofeel</b> ® G 10 LW	18	
Sodium Anisate	<b>dermosoft</b> ® anisate	28	
Sodium Anisate	<b>dermosoft</b> ® anisate eco	28	
Sodium Caproyl/Lauroyl Lactylate	<b>dermosoft</b> ® decalact	40	
Sodium Caproyl/Lauroyl Lactylate; Triethyl Citrate	<b>dermosoft</b> ® decalact liquid	40	
Sodium Caproyl/Lauroyl Lactylate; Triethyl Citrate; Salvia Officinalis (Sage) Oil	<b>dermosoft</b> ® decalact deo	40	
Sodium Lauroyl Lactylate	<b>dermosoft</b> ® SLL	18, 26, 28	
Sodium Phytate	<b>dermofeel</b> ® PA-12	42	
Sodium Phytate; Aqua; Alcohol	<b>dermofeel</b> ® PA-3	40, 42	
Sodium Stearoyl Lactylate	<b>dermofeel</b> ® SL	12, 16	
Tocopheryl Acetate; Helianthus Annuus (Sunflower) Seed Oil	<b>dermofeel</b> ® E 74 A non GMO	40	
Tocopherol, Helianthus Annuus (Sunflower) Seed Oil	<b>dermofeel</b> ® MT 70 non GMO	42	
Tocopherol; Helianthus Annuus (Sunflower) Seed Oil	<b>dermofeel</b> ® E 67 non GMO	40	
Tocopherol; Helianthus Annuus (Sunflower) Seed Oil	<b>dermofeel</b> ® Toco 50 non GMO	42	
Tocopherol; Helianthus Annuus (Sunflower) Seed Oil	<b>dermofeel</b> ® Toco 70	42	
Tocopherol; Helianthus Annuus (Sunflower) Seed Oil	<b>dermofeel</b> ® Toco 70 non GMO	42	
Tricaprylin	<b>dermofeel</b> ® MCT	22	
Triethyl Citrate	<b>dermofeel</b> ® TEC eco	40	
Triethyl Citrate; Glyceryl Caprylate; Benzoic Acid	<b>Verstatil</b> ® TBG	26, 27, 32	
Triethyl Citrate; Caprylyl Glycol; Benzoic Acid	<b>Verstatil</b> ® TBO	26, 27, 32	
Triheptanoin	<b>dermofeel</b> ® TC-7	22	

**drstraetmans**

Dr. Straetmans GmbH · Merkurring 90 · D-22143 Hamburg

Phone: +49 (0)40-669 356-0 · Fax: +49 (0)40-669 356-310 · email: [info@dr-straetmans.de](mailto:info@dr-straetmans.de)

[www.dr-straetmans.de](http://www.dr-straetmans.de)