



Pr: Tec  
Ingredia

FORMULATE 2021  
WHAT'S NEW?

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# ProTec Ingredia

## Our History

**Kevin Cousins**

**Managing Director**

ProTec Ingredia was founded in 2011. Since then, we have rapidly and successfully established ourselves as a market leader in our field of expertise; marketing and supplying active and speciality ingredients to the UK personal care industry and beyond. ProTec is proud to work with a carefully selected group of exceptional partners from around the world to provide innovative, high quality, market-leading ingredients to our customers.

Our highly qualified team has over 100 years of collective unrivalled experience in the personal care and cosmetic industry, both in sales and formulation, along with vast knowledge and expertise in sourcing and supplying products to businesses of all sizes.

We fully recognise the importance of exceptional customer service and support, delivered through a closely monitored and controlled supply chain, as well as providing many other forms of invaluable support to all our customers. Through the use of a dedicated UK based applications laboratory, we are able to provide support to our customers along their journey from idea conception, formulation and throughout their product development.

Our mission is simple: to exceed our customers' expectations every day, sustainably and ethically.





# BARNET

Barnet Products Corporation manufactures and supplies active ingredients for use in personal care products, including treatment and colour cosmetics. The company's products include anti acne/oil control, anti-ageing/anti wrinkle, firming moisturisers, anti-inflammation/anti-redness/anti-stinging, antioxidants, clarifying/brightening, resculpting/remodelling, and sun care products.

Barnet Products Corporation was founded in 1987 and is based in Englewood Cliffs, New Jersey.

## IntenCfy

Ascorbic Acid (Vitamin C) is a powerful ingredient in various skincare products these days, that helps to produce collagen in fibroblasts, but more importantly, to excrete it for its function of support

In melanocytes, Vitamin C acts as a tyrosinase inhibitor, however, Vitamin C is fragile and can quickly be oxidised and lose its primary functions. IntenCfy is the natural companion of Vitamin C. The solution and the skin's choice to boost Vitamin C are a timely and trendy need in skincare.

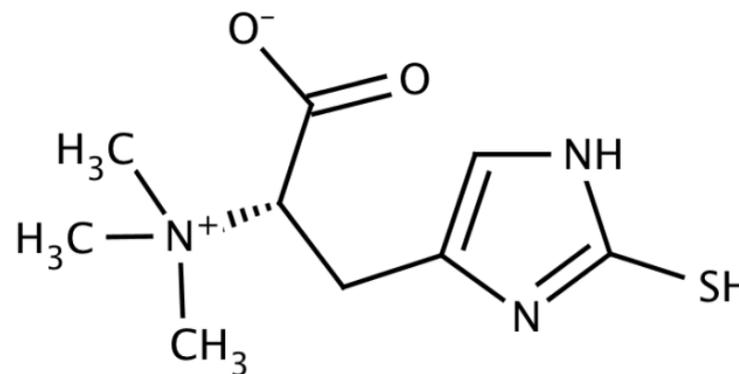
**Function:** IntenCfy is made by a proprietary biomimetic process involving various stages of fermentation of natural nutrients, purifications and reactions that result in a naturalistic origin content (ISO 16128) of 98.74%

**Formulation:** IntenCfy is a white to off-white powder with a characteristic odour. It is water-soluble and should be post added at temperatures lower than 40 degrees. The recommended pH is 3.0 – 7.0. create a 1:20 solution with water before adding IntenCfy.

INCI Name: *Mannitol (and) Ergothioneine*

Preservative: None

Suggested Use Level: 0.02-1.00%





# Cetpro

A thick, orange, curved line that starts under the 'C' and sweeps upwards and to the right, ending under the 'o'.

Cetpro is a range of functional ingredients exclusive to ProTec Ingredia Ltd.

## Cetpro EAC

3-O-Ethyl-L-Ascorbic Acid, or Ethyl Ascorbic Acid is a molecule produced by modifying Ascorbic Acid, commonly known as Vitamin C, by binding an ethyl group to the third carbon position. This modification greatly increases the molecule's stability and enhances its transport through skin, compared to pure Vitamin C which is degraded.

In the body, the ethyl group is removed and Vitamin C is restored to its natural form. Thus, Ethyl Ascorbic Acid retains all the benefits of Vitamin C such as antioxidant activity and collagen synthesis.

Furthermore, it is even more potent in reducing melanin production after UV exposure. It even has some additional effects, not observed in pure Ascorbic Acid such as promoting nerve cell growth.

INCI Name: *3-O-Ethyl Ascorbic Acid*

Molecular formula: C<sub>8</sub>H<sub>12</sub>O<sub>6</sub>

CAS NO.: 86404-04-8

Molecular weight: 204.18

Vitamin-C content: 86.3%

White crystalline powder

# Cetpro EAC

### Benefits:

- Whitening/skin lightening
- Synthesis of collagen/anti-wrinkle
- Good skin penetration
- Decreases the formation of Melanocytes
- Excellent anti-ageing effect - recovery from:
- Sun damage, discolouration and dark spots.

## Cetpro LBA

Lactobionic Acid is a polyhydroxy acid (PHA). It is also called a sugar acid and is formed from gluconic acid and galactose, a monosaccharide. Unlike AHA's, PHA's are non-irritating due to their larger molecular weight which prevents penetration into the deeper layers of the skin. A natural humectant, it binds water to create a moisturizing barrier on skin, providing softness and a velvety smoothness. This ingredient is suitable for all skin types.

Cetpro LBA helps prevent and reverse the appearance of photoaging, including lines and wrinkles, uneven pigmentation, enlarged pores and roughness. Cetpro LBA protects the skin against photoaging by inhibiting the MMP enzymes that degrade the skin's structure and strength.

### APPLICATIONS

- Smoothing of the skin through gentle chemical exfoliation
- Increase moisture and firmness
- Reduce the visibility of wrinkles
- Mitigate and reduce irritation caused by rosacea

INCI Name: *Lactobionic Acid*

# Cetpro LBA

## Cetpro TA

Tranexamic Acid is an active ingredient for blemish reduction focussing on the phenomena inherent to skin dark spots. Tranexamic Acid affects the skin in an unusual way, very different from the effect of alpha hydroxy acids and other well-known bleaching agents. UV rays, the main culprit in the appearance of pigment spots, cause some complex changes in the skin.

The impact of UV radiation activates melanin-producing cells melanocytes and intensifies the synthesis of melanin. At the same time UV rays increase the number of inflammatory mediators in the skin, enhancing inflammation and further increasing melanin production. In fact, any kind of skin inflammation can lead to the appearance of dark spots on the skin, this is why people with acne often have uneven complexion as well.

Cetpro TA works by binding inflammatory mediators to stop the development of inflammation and prevent the pigment granules from forming. Inflammation suppressed, melanocytes calm down and stop producing unnecessary melanin, the skin brightens and evens out. The biggest advantage of Cetpro TA is that it does not irritate even hypersensitive skin. It also reduces the skin's sensitivity to ultraviolet light, which means that the risk of pigmentation after or during treatment is incredibly low. Cetpro TA does not penetrate into deep skin layers. It accumulates in the corneal layer of the epidermis where it strengthens keratin connections and the skin's resistance to damage; the skin becomes less sensitive and heals after an injury faster.

INCI Name: *Tranexamic Acid*

# Cetpro TA

Cetpro TA works in many ways at once:

- Blocks the production of melanin in the cells;
- Prevents melanin from accumulating locally;
- Dissolves the already present melanin.

## Cetpro DL-MA

Mandelic acid is an alpha hydroxy acid treatment known for its anti-aging and antibacterial properties. Known chemically as alpha-hydroxybenzeneacetic acid, Mandelic acid can be derived from bitter almond (Mandel in German) although most sources on the market (including Cetpro DL-MA) are synthetic. Mandelic acid is larger than Glycolic acid (the most popular alpha hydroxy acid) which makes it better tolerated on the skin. Mandelic acid belongs to a group of AHAs known as aromatic alpha hydroxy acids and is the smallest aromatic AHA.

### APPLICATIONS

Mandelic acid is an appropriate treatment for a wide variety of skin concerns, from acne to wrinkles, it is especially effective in the treatment of adult acne. Mandelic acid is also recommended as a pre- and post-laser treatment, reducing the amount and length of irritation caused by laser resurfacing.

### MODE OF ACTION

Cetpro DL-MA works by breaking up the bond between skin cells, leading to an increased rate of cellular turnover, purging the skin of dead skin cells, which can lead to wrinkles, hyperpigmentation and acne. Cetpro DL-MA has antibacterial properties which are especially beneficial in the treatment of acne and oily skin. Cetpro DL-MA interferes with the production of melanin (this will stop new age spots forming), it reduces sebaceous gland oil production (that will help out with acne) and it increases the amount of new collagen and elastin formed.

INCI Name: *Mandelic Acid*

The logo for Cetpro DL - MA, featuring the word "Cetpro" in a large, dark grey font with a red swoosh underneath, followed by "DL - MA" in a smaller, lighter grey font.



Founded in 2002, CODIF Technologie naturelle was born from a continuing search for technological innovation and a sincere, humane commitment. CODIF develops innovative active ingredients for cosmetics and continues to push back the limits of traditional technology, in order to provide active ingredients from the sea, plants and biotechnology that are totally new and feature ultra high performance.

# EPS Seaglow

“The Jovial Skin Therapy”

**GOOD FOR YOUR SKIN:** EPS Seaglow improves skin vascularization to revive the skin’s natural rosy tone.

**GOOD FOR YOUR MIND:** EPS Seaglow provided improved optimism and self-esteem among the volunteers involved in the study, delivering the participants with greater confidence in their own skin.

**GOOD FOR THE ENVIRONMENT:** It is totally natural, sustainable and green.

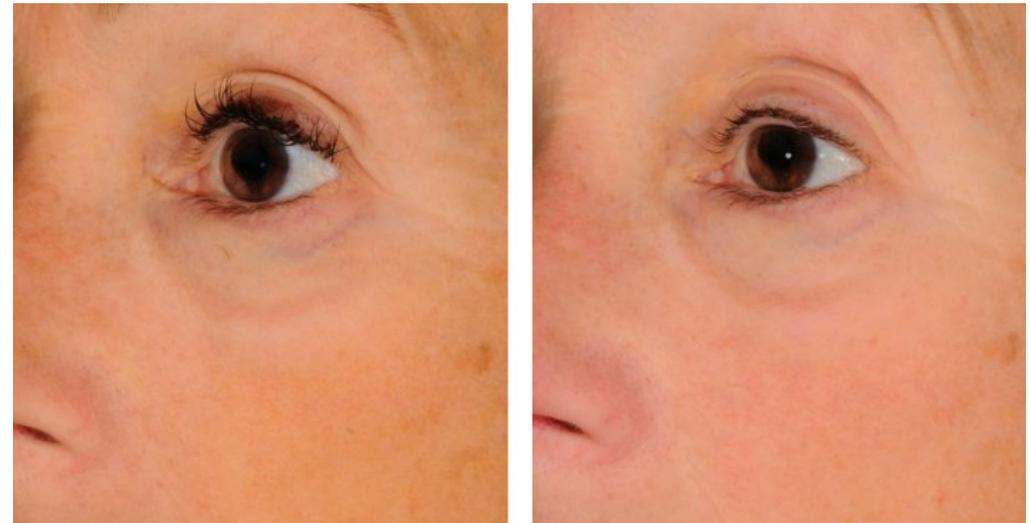
**MATURE CONSUMERS:** Looking for more rosy tone.

Skin vascularization is altered with ageing with a progressive decrease in the formation of new blood vessels, leading to a pale complexion.

**VASCULARIZATION – THE PINK COMPONENT:** The pink component of the complexion is directly linked to skin vascularization. In the dermis endothelial cells are the main components of skin capillaries.

**AGEING – DECLINING ANGIOGENESIS FACTORS:** The reduction of capillary density with ageing is due in turn to declining levels of angiogenic growth factors: AGFs (2).

Phase	Raw Material	INCI	%
A	EMULIUM DELTA	Cetyl alcohol & Glyceryl stearate & PEG-75 stearate & Ceteth-20 & Steareth-20	4,00
	CETIOL CC	Dicaprylyl carbonate & Tocopherol	4,50
	CAPRYLIC/CAPRIC TG MB RSPO	Caprylic/capric triglyceride	2,00
	HUILE DE NOYAUX D'ABRICOT RAFFINEE	Prunus armeniaca kernel oil	2,50
	LIPOCIRE A PASTILLES	C10-18 triglycerides	2,00
B	SILICONE (DIMETHICONE (100CS))	Dimethicone	1,50
	DEMINERALIZED WATER	Water	74,78
	GLYCERINE BIDISTILLEE CODEX (5)	Glycerin	1,50
C	MICROCARE SB (6)	Aqua & Sodium benzoate & Potassium sorbate	1,00
	ACIDE CITRIQUE MONOHYDRATE (7)	Citric acid	0,17
D	STRUCTURE XL STARCH (5)	Hydroxypropyl starch phosphate & Aqua	1,00
E	ZEMEA (8)	Propanediol	3,00
	COVACRYL MV60 (9)	Sodium polyacrylate	1,00
F	EPS SEAGLOW MNB (10)	Water & Saccharide isomerate & Sodium benzoate & Citric acid	0,40
	COVI-OX T90EU C (2)	Tocopherol & Helianthus annuus seed oil	0,05
	FRAGRANCE	Fragrance	0,10
	SENSIVA SC 50 (11)	Ethylhexylglycerin & Tocopherol	0,50
			100



**VASCULARIZATION – NEW TARGET FOR SKIN BEAUTY:** Poorly studied before, vascularization is now on the radar of numerous laboratories. Shiseido has recently been rewarded for their works on the role of vascularization in skin elasticity, vitality, but also its weakening with photo-ageing.

## Dermosculpt

DERMOSCULPT is extracted from Chlorella Vulgaris, which is highly concentrated in vegetal proteins, and contains the full range of amino acids, including the 8 essential amino acids (EAA) that the body cannot produce itself.

The collagen fibres are composed of all these amino acids. Thus, DERMOSCULPT is called the Green Collagen Builder: from its collagen-like composition to its Collagen 360° properties into the skin: reactivation of collagen expression in the dermis, Dermal-Epidermal Junction and epidermis. With evidence proving that sagging and mature skin becomes firmer, providing a tensor action for smoother skin on the neck and décolleté, this active ingredient can also be used effectively in face products.

- Targets a complex unique to the Chlorella, the Chlorella Growth Factor (CGF)
- Supplies all the amino acid elements required for collagen synthesis
- Collagen360°: reactivates Glycosaminoglycan components, collagen synthesis in Dermis, Dermal-Epidermal Junction and Epidermis
- Tensor effect evaluated by customary method
- Impressive smoothing results on the neck and décolleté within 28 days

INCI Name: *Glycerin (and) Water (and) Chlorella vulgaris extract (and) Sodium benzoate (and) Citric acid.*



Before using DERMOSCULPT



After using DERMOSCULPT

## Samphira Oil Bioactive

SAMPHIRA OIL BIOACTIVE is a retinoid-like active ingredient, that is organically sourced from a seaside plant; the Rock Samphire. It has the same targets as retinol to improve epidermal thickness and boost new collagen synthesis. Perfectly tolerated by the skin, SAMPHIRA OIL BIOACTIVE provides NO inflammatory reaction.

It acts on collagen synthesis and the epidermal renewal for smoothing the skin texture, reducing both wrinkles and pores. Overall, the skin complexion is brighter and more homogeneous. Volunteers observed an increase in skin suppleness and their skin looked younger.

### Key Benefits:

- No inflammatory reaction.
- No UV-sensitivity.
- Provides same biological results: targets Retinol receptor (CRABP-II), epidermis renewal, exfoliation, Extracellular Matrix Booster (Collagen I synthesis, MMP1).
- Offers outstanding anti-ageing results: anti-wrinkle (crow's feet), pore reduction, brightens the skin complexion.

INCI Name: *Caprylic/capric triglyceride (and) Crithmum maritimum extract.*



# Epidermist – EPS Seafill – EPS Seamat - new data

## EPS SEAFILL

A marine POSTBIOTIC, hyaluronic acid-like action filler.

EPS SEAFILL is a POSTBIOTIC obtained from marine ExoPolySaccharides produced by a micro-organism isolated in the Rade de Brest (Brittany, France).

It acts on the skin's surface for an immediate smoothing and filling effect.

Assimilating and metabolised by the skin microbiota, EPS SEAFILL also acts biologically. Its composition in sugars is similar to Hyaluronic Acid. It allows it to boost Hyaluronic Acid synthesis and bind to its receptors for a “Hyaluronate like” action. EPS SEAFILL thus redensifies the epidermis.

[Click here to find out more: Active Ingredient - EPS SEAFILL](#)



## EPS SEAMAT

Immediate Mattifying – Oily skin regulator.

Obtained from a marine ExoPolySaccharide produced by a micro-organism isolated from the Aber Wrac'h (Brittany, France), EPS SEAMAT absorbs sebum and mattifies the skin.

It also decreases the inflammation factors which participate in the increase of sebum production.

## EPIDERMIST - The Healthy Ingredient for the Skin

EPIDERMIST is a POSTBIOTIC obtained from a Marine ExoPolysaccharide produced by a micro-organism isolated from the Aber Benoit (Brittany, France).

Thanks to its antifouling properties, it protects the skin from pathogens and infectious agents.

[Click here to find out more: Active Ingredient - EPS SEAMAT](#)



[Click here to find out more: Active Ingredient - EPIDERMIST](#)





Contipro's products are based on an extensive knowledge of the inner biological processes in the skin cells and broad in vivo testing. The main pillar of their approach is the specific interest they take in visible signs of ageing. Hyaluronic Acid has been their key active since the beginning, now being complemented by Contipro's uniquely designed peptides and other compounds. Targeting a wide spectrum of anti-ageing effects in the skin is possible due to Contipro's capacity to study all signs of skin ageing with the very latest instrumentation.

# HyRetin

Hyaluronic Acid with anti-acne effect.

Ester of very low molecular weight hyaluronic acid and retinoic acid. By combining the effects of the two anti-ageing ingredients, Contripro came up with a perfect derivative that can penetrate deep into the skin but remains safe, and doesn't irritate the skin.

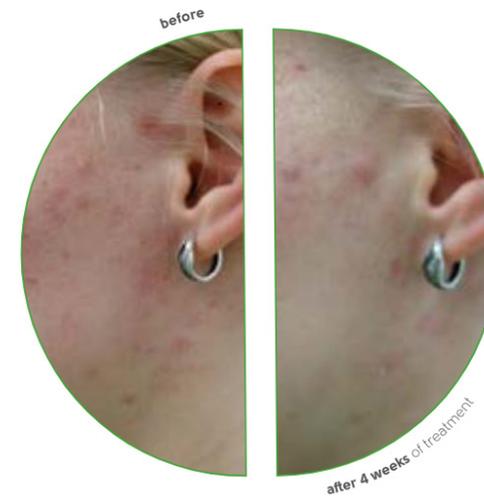
- Anti-inflammatory properties
- Sebum reduction
- Pore reduction (both number and size)

Keeps all the advantages of hyaluronic acid (anti-wrinkle, hydration)

HyRetin brings additional advantages to the skin:

- Increased production of collagen and fibronectin
- No irritation
- Penetrates deep into the skin
- Skin elasticity and texture improvement

INCI Name: *Sodium Retinoyl Hyaluronate*





# Cosphatec



COMPONENTS OF BEAUTY

Cosphatec is a leading German company for the manufacture and sale of raw materials to the cosmetics industry. High-quality complexing agents, antioxidants, emulsifiers and multifunctionals are delivered to customers all over the world via their powerful, international distribution network. Alternative preservatives for the natural cosmetics sector have been their focus ever since the founding of the company in 2005. In addition, own raw materials and raw material combinations are developed in the company laboratory in Hamburg.

## Cosphaderm® Tapmix

Cosphaderm® Tapmix is a natural antioxidant blend offering unique properties for optimum product protection and ease of application. Its smart composition means that this blend not only provides protection against oxidation of the fatty phase but also acts as an active ingredient to protect the membrane lipids of the skin. This is made possible by the fact that the ratio of alpha, beta-gamma and delta tocopherols is more evenly balanced than that of soybean and sunflower tocopherols.

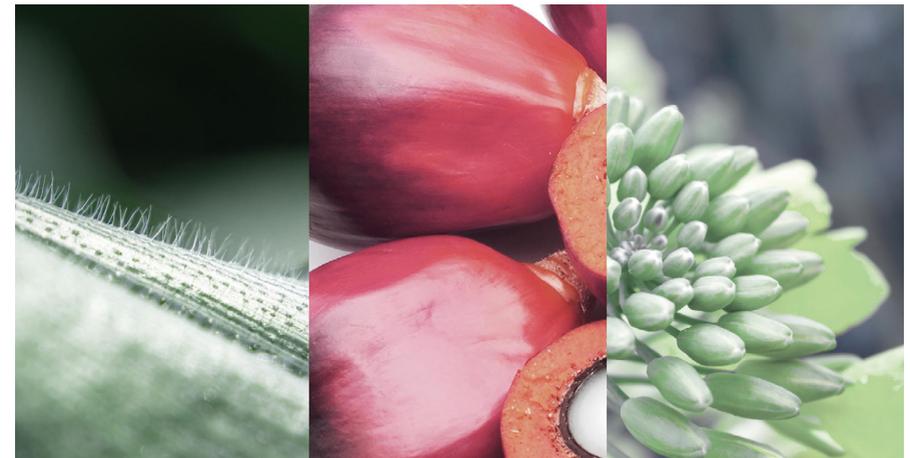
COSMOS approved.

Source: Rapeseed, Sunflower, Corn

Function: Antioxidant, product protection, radical scavenger

Recommended concentration: 0.5-1.0%

INCI Name: *Lecithin, Helianthus Annuus Seed Oil, Tocopherol, Ascorbyl Palmitate*



- High antioxidative efficiency
- Bioactive skin protection
- Emulsifying
- Antistatic
- Emollient
- Skin-conditioning

# Cosphaderm® Zinc Lactate Natural

INCI Name: *Zinc Lactate*

Cosphaderm® Zinc Lactate natural is a zinc salt derived from lactic acid that can be used in many different ways and is a real problem solver. It exhibits outstanding antimicrobial properties against bacteria and yeasts. As a zinc salt, it also provides the anti-inflammatory properties that zinc is known for. It also has a deodorising effect. These properties make it an ideal component for deodorants, skincare and intimate care products.

COSMOS approved.

Efficacy spectrum:

Bacteria: Strong  
Yeasts: Strong  
Moulds: Moderate

pH-range 3.5-7.0

Recommended concentration: 0.3-2.0%



## Cosphaderm® Dicapo Natural

Caprylyl glycol is a well-known and frequently used raw material for the preservation of cosmetic products. It is most popular in creams and gels, but can also be used in many other products.

Cosphatec is now one of the first companies to offer this ingredient with a COSMOS certification and when caprylyl glycol is combined with natural glyceryl caprylate and natural propanediol, a truly unique blend is created.

Efficacy spectrum:

Bacteria: Strong  
Yeasts: Strong  
Moulds: Strong

pH-range 3.5-7.5

Recommended concentration: 0.7-1.0%

INCI Name: *Caprylyl Glycol, Propanediol, Glyceryl Caprylate*





EverCare is focused on providing innovation in the development and supply of high quality zinc oxides for the personal care industry.

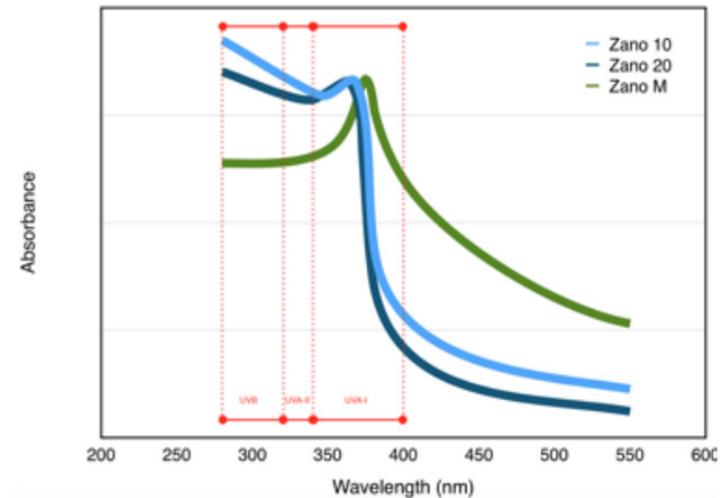
EverCare is part of the EverZinc Group who are a global provider of speciality zinc materials, processing more than 200,000 tons of material, 40% of which is recycled, with manufacturing operations located in Belgium, Canada, China, The Netherlands, Norway & Malaysia.

## Zano Range®

The Zano® portfolio consists of three different grades of zinc oxide powder, each of which has been designed to exhibit a distinct tailored performance in UVB, UVA absorbancy and transparency. Consequently there is a Zano® grade that will cover the specific performance needs in designing sunscreen performance. Each Zano® product is available in uncoated pure form and a triethoxycaprylyl silane surface treated version.

- Zano® 10 & Zano® 10 Plus  
Offering balanced protection in UVB, UVA and transparency
- Zano® 20 & Zano® 20 Plus  
Offering the highest levels of transparency
- Zano® M & Zano® M Plus  
Offering the highest levels of UVA protection
- Xperse®  
Various dispersions of Zano® and Zano® Plus powders

Ecocert certified products  
COSMOS certified products





## Xperse Range®

The Xperse® portfolio is based on the 3 types of Zano® zinc oxide powders offered by EverCare. Each powder has been designed to offer specific performance in UVA, UVB and transparency.

Ready to use dispersions for optimal formulation results: The Xperse® range consists of stable, well diffused dispersions that are based on Zano® only, or in combination with TiO2 avoiding the need for specific knowledge and equipment.

NAME	% FILTER	UV FILTER(S)	DISPERSION BASE	NATURAL CERTIFICATION
Xperse 101	60%	Zano 10	Sesame oil	Cosmos
Xperse 102	60%	Zano 10	Caprylic/Capric Triglyceride	Cosmos
Xperse 201	60%	Zano 10+	Caprylic/Capric Triglyceride	
Xperse 151	70%	Zano M	Sesame oil	Cosmos
Xperse 152	70%	Zano M	Caprylic/Capric Triglyceride	Cosmos
Xperse 251	70%	Zano M+	Caprylic/Capric Triglyceride	
Xperse 301	30%	Zano 10	Caprylic/Capric Triglyceride	Ecocert
	30%	TiO2		
Xperse 401	30%	Zano 10+	Caprylic/Capric Triglyceride	
	30%	TiO2		
Xperse 501	60%	Zano 20	Caprylic/Capric Triglyceride	Cosmos
Xperse 601	60%	Zano 20+	Caprylic/Capric Triglyceride	

## Assure+

Assure+ is a natural antioxidant which demonstrates both UVB and UVA boosting properties.

- Derived from natural sources using eco-friendly extraction process
- Pongamia species is globally abundant

### Listed:

- Cosmetic Ingredient database: CosIng
- IECIC - Inventory of Existing Cosmetic Ingredients in China (2015)

### Properties:

- Off-white solid
- >95% purity
- Soluble in organic solvents

Best to formulate into the oil phase.

INCI Name: *Pongamia Pinnata Seed Extract (Australia INCI: Pongamol)*

	Zano 10 Plus (20%)	Zano 10P + 0.10% Assure+	Zano 10P + 0.25% Assure+
<b>SPF</b>	32.6	39.6	45.5
<b>UVA-PF</b>	15.9	19	23.8
<b>UVA-PF/SPF</b>	0.49	0.48	0.52
<b>Critic <math>\lambda</math></b>	371	372	374

## The Positive Reef Initiative

The Positive Reef Initiative is a set of commitment to having a positive impact on protecting and restoring coral reefs.

The three commitments:

- Promotion of smart filter choices for the environment
- Direct contribution to coral reef restoration
- Offsetting our own carbon footprint

The goal:

To allow for the creation of reef friendly sun care products while at the same time having a positive contribution to stop coral reef damage and promote its restoration





# GRÄFE CHEMIE

ADDITIVES FROM PLANT-BASED RAW MATERIALS

Gräfe Chemie has been researching and developing natural products for over twenty years along with producing modified polysaccharides for cosmetic, hair and body care products to supply highly effective raw materials for your skin and hair care products.

# Amylomer

You can use the various Amylomer products to modify and simultaneously improve your formulations with plant-based alternatives to synthetic raw materials.

## Advantages of Amylomer:

- Low inclusion levels
- Effective and noticeable performance
- Ease of formulation and inclusion
- Can be used with existing conditioner systems
- Easy to use in both laboratory and production
- A biodegradable alternative for green formulations and natural cosmetics

PRODUCT NAME	INCI	HAIR CARE USAGE	CHARACTERISTICS
CAT 531	Aqua;Starch Hydroxypropyltrimonium Chloride;(Additives: Sodium Lactate; Sodium Chloride;Urea;Lactic Acid; Sodium Benzoate)	Shampoo for fine and medium European hair. 2 in 1 shampoo, shower product	Smooth touch for wet and dry hair Improved combing for wet and dry hair Good detangling characteristics
CAT 531 AS+	Water (US)/Aqua (EU); Starch Hydroxypropyltrimonium Chloride;Urea; Sodium Lactate;Lactic Acid; Sodium Chloride; Sodium Benzoat	Shampoo for medium & strong hair 2 in 1 shampoo, particularly suitable for Asian hair, shower product	Smooth touch for wet and dry hair Improved combing for wet and dry hair Good detangling characteristics
CAT 100 LMW	Aqua; Starch Hydroxypropyltrimonium Chloride,Urea; Sodium Lactate; Lactic Acid; Sodium Chloride, Glycerin, p-Anisic Acid, Levuline Acid	Shampoo for fine hair	Slight film forming characteristics due to high cationic and low molecular weight
HA CAT 75	Aqua; Hydroxypropyl Oxidized Starch PG Trimonium Chloride.(Additives: Sodium Lactate; Sodium Chloride; Lactic Acid; Sodium Benzoate)	Shampoo for strong and frizzy hair, permanent hair colour, semi-permanent, bleach, shower product, cleansing product	Smooth hair Easy to comb Long-lasting detangling effect Better durability of colour pigments Improved colour intensity Better product consistency – even colouration
HA NI	Aqua; Sodium Hydroxypropyl OxidizedStarch Succinate; Sodium Lactate; Urea;Lactic Acid;Glycerine; Sodium Levulinate;Sodium Anisate	Cream conditioner, body cream, hair mask	Adds shine and shape to the hair Supports sensory profile Non-ionic conditioner



Innovacos designs and manufactures innovative cosmetic ingredients to fulfill the needs of formulators in their quest of developing sophisticated products. The range of ingredients developed at Innovacos, under the Active and Formulience™ lines, covers all cosmetic applications and targets a myriad of biological mechanisms supporting skin health and appearance as well as formulation texture and functionality.

## Activoil Echnidium - new data

Activoil™ Echnidium is a liposoluble ingredient made of selected active components. The main ones are Echium seed oil and a Cnidium monnieri lipophilic extract stabilised with a cocktail of antioxidants.

Activoil™ Echnidium is a stabilized lipophilic active ingredient. It is made of several components to ensure a global clinical efficacy in protecting the skin from air pollutants especially against the deleterious effects of PM2.5. PM2.5 can harm skin structures and homeostasis directly and also indirectly as they can carry lipophilic micropollutants, and due to their lipophilicity, such micropollutants easily penetrate the skin causing damage to the deep layers.

### Key benefits:

- Anti <math>PM\_{2.5}</math>
- Protection from micropollutants
- Sensitive skin
- Purifying skin care
- Deep-skin detox solution
- Urban protection
- Anti-ageing
- Skin repair and protection

INCI Name: *Echium Plantagineum Seed Oil, Octyldodecanol, Octyldodecyl Oleate, Octyldodecyl Stearoyl Stearate, Cnidium Monnieri Fruit Extract, Rosmarinus Officinalis*

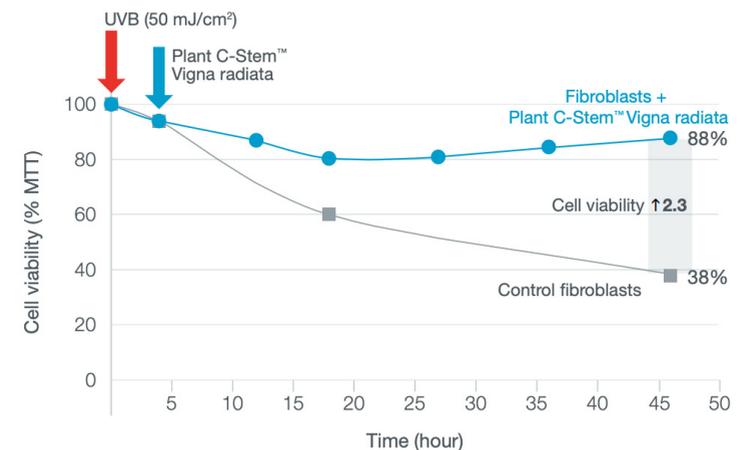


## Plant C Stem™ Vigna Radiata

Vigna radiata has been shown to respond to ageing by altering the metabolic pathways in adaptation to the chemical stress and radiation, proving that undeniably the anti-oxidant defence network of Vigna radiata plays important roles in the protection of the plant against various stress factors as well as in the acclimation to harsh environments.

For instance, the antioxidant defence strategy of Vigna radiata is involved in drought tolerance and recovery from such stress and the product appears to have developed a biological armamentarium to resist and recover from numerous environmental pressures. We have developed a stem cell culture from Vigna radiata sprouts as part of our Plant C-Stem™ portfolio. Vacuolar extracts of Vigna radiata stem cells were developed to repair from UV-induced damage and to maintain maximal cellular viability upon UV exposure.

INCI Name: *Glycerin (and) Water (and) Phaseolus Radiatus Extract*



Ideal for:

- Protection/repair of environmental damage
- Day creams with or without UV filters
- Anti-ageing formulations
- Post-UV repair cream

## Bioptimized Guava – new data with Regensea LS

Bioptimized™ Guava targets skin senescence by slowing down the causes of skin ageing signs, delaying their appearance and also providing protection against inflammaging (chronic low-grade inflammation that develops with age).

Regensea™ LS reverses the effects of ageing ageing by increasing the expression of factors involved in cell rejuvenation, which also provides an inversion of chrono-ageing (degenerative process due to the decline of functions and abilities with age), which can be combined together with Bioptimized™ Guava to create a powerful anti-ageing cocktail.

### Results:

- Regensea™ LS increases the skin firmness
- The combination between Regensea™ LS and Bioptimized™ Guava shows a synergical effect in terms of skin firmness
- Regensea™ LS increases skin elasticity
- The active cocktail further improves the skin elastic properties
- Regensea™ LS decreases wrinkle depth
- The active cocktail is more effective in reducing skin roughness
- Regensea™ LS increases the skin moisturisation
- The synergical effect between Regensea™ LS and Bioptimized™ Guava shows an extra-moisturizing action



Usually, anti-ageing active ingredients, such as Regensea™ LS, counteract the already visible skin ageing signs, whereas Bioptimized™ Guava slows down the ageing process, preventing the production of pro-inflammatory factors involved in the appearance of premature skin ageing.

The preventive action of Bioptimized™ Guava boosts the efficacy of anti-ageing active ingredients, making the skin appear younger, whilst also improving vitality & elasticity.



# Lipoid Kosmetik

Lipoid Kosmetik, as part of the Lipoid group, is a leading manufacturer of high-quality actives, botanical extracts and natural phospholipid products for the cosmetic and personal care industry. As a pioneer in these fields, Lipoid Kosmetik has gained an outstanding reputation in the global cosmetic industry over the last 40 years.

This long-standing expertise, in combination with the exceptional quality of their portfolio, enables their customers to develop market innovative, functional and natural cosmetic products meeting the highest standards.

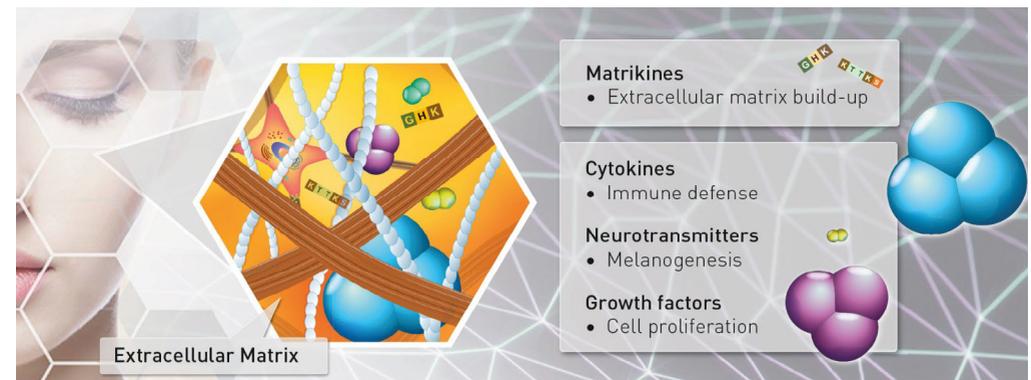
## PhytoCordine

PhytoCordine® is the world's first concentrate of plant-derived, natural matrikine-like peptides. It reprograms fibroblasts to build-up extracellular matrix components characteristic of younger looking skin and thereby, PhytoCordine® directly contributes to a person's perceived age.

### Benefits:

- Renewal of extracellular matrix
- Improvement of dermal surface & texture
- Support of facial density & elasticity
- Rejuvenating effect of mature skin

INCI Name: *Glycerin, Water, Lecithin, Hydrolyzed Pinus Sibirica Seedcake Extract, Acanthopanax Senticosus (Eleuthero) Root Extract, Pentylene Glycol, Sodium Hydroxide, Tocopherol*



## Water Lily Pro

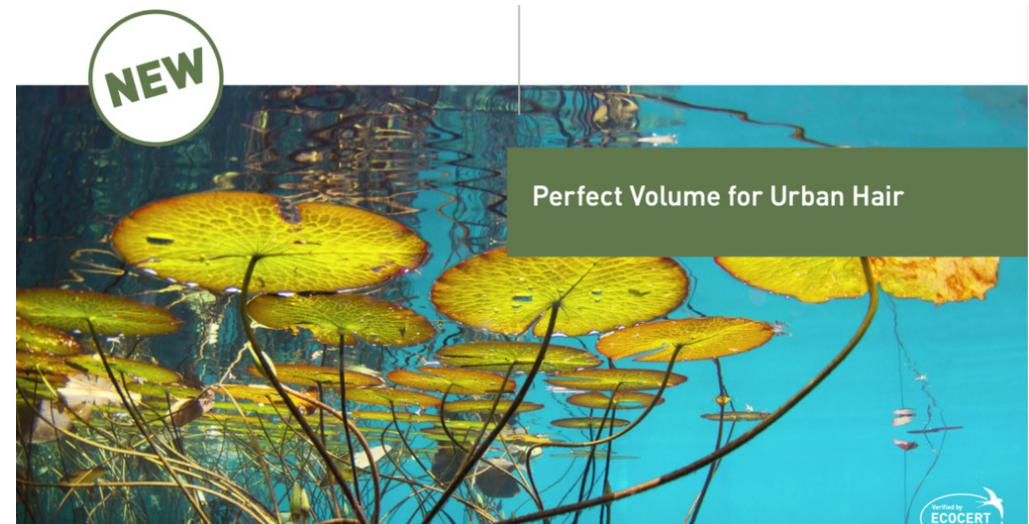
Water lilies are a highly sustainable and enduring plant that symbolises beauty, purity and resurrection, making it the perfect ingredient for various water-based cosmetics.

Typically found in temperate and tropical climates worldwide, the European white water lily is anchored with perennial rhizomes or rootstocks in the soil with round leaves and flowers floating on the water surface. The submerged roots of the Water Lily store various nutrients and minerals. Around 3m long, the roots have no exposure to atmospheric oxygen or UV-light.

At first glance, the water lilies have beautiful flowers around the plant, making them the most attractive part. However, with a closer look at the plant itself, the water lilies have exceptional underwater factories and phytochemicals. The long branched root systems have a unique number of phytochemicals, the perfect addition for various hair care products.

Due to these factors, Lipoid Kosmetik developed the Water Lily Pro, a COSMOS-approved, raw material of 100% natural origin, Herbasol® Pro extract from water lily roots. Water Lily Pro contains amphipathic saponins, antioxidative flavonoids, and keratin-enforcing tannins, all perfect for daily hair care's essentials. The water lily's positive elements are a powerful ingredient to protect hair against pollution whilst keeping it tamed and full of volume.

INCI Name: *Nymphaea Alba Root Extract, Propylene Glycol, Aqua (Water), Sorbitol*



## Yogurtolin

Yoghurt, as a probiotic food, is a success – it is healthy, it is nutritious, it is tasty. These positive consumer associations are the perfect starting point for developing cosmetic concepts.

Lipoid Kosmetik has rediscovered yoghurt's beneficial properties for the treatment of sensitive skin. Sensitive skin is characterised by reduced skin microbiome, dryness and irritation. The solution for sensitive skin is Lipoid Kosmetik's Yogurtolin®, a natural probiotic ferment derived from Swiss milk. The formula reinforces the skin's microbial barrier by creating an environment for a balanced skin microbiome, hence, is certified as 'Microbiome friendly' for protecting the microbial balance and diversity of the skin.

Yogurtolin® is a powerful natural concentrate best suited for treating sensitive skin by restoring the microbial and physical skin barrier, while adding a sensation of instant refreshment and cooling to irritated skin, which is in line with pre-existing positive consumer associations of yoghurt.

INCI Name: *Yogurt Powder or Yogurt*



Lipoid Kosmetik's Yogurtolin® shows the following properties:

- Prebiotic functionality
- Strengthening and regeneration of the skin barrier
- Calming and soothing of sensitive skin
- Instant sensation of skin refreshment



# MICRO POWDERS, INC.

Micro Powders design and manufacture innovative speciality micronised waxes, to help chemists and formulators achieve the performance demands that they require in their new products. Whether it's pressed or loose powders, exfoliating washes, colour cosmetics, creams, lotions, sunscreens or other personal care applications, their waxes can add just the right flow, texture and feel to give your products the winning touch.



MICRO POWDERS, INC.

## Ecosoft 627S

Ultrafine powders made from polylactic acid (PLA) that provide slip with extremely silky silicone-like aesthetics.

Ecosoft 627S is a spherical option.

INCI Name: *Polylactic Acid, Silica*

## Biosoft 915

High melt point ultra fine powder of polyhydroxybutyrate, a bioferment derived from natural sugars.

INCI Name: *Polyhydroxybutyrate*

## Microsilk 422

Ultrafine powder composite of synthetic wax, boron nitride and zinc oxide. Due to its high lubricity and silky aesthetics, it is an effective replacement for PTFE.

INCI Name: *Synthetic Wax, Zinc Oxide, Boron Nitride*

## Naturebead Yellow C20

Naturally coloured 100% natural exfoliants that do not contain any pigments, dyes, or synthetic colorants.

INCI Name: *Copernicia Cerifera (Carnauba) Wax*

## Naturesoft 880GT

An ultrafine powder derived from green tea extract and rice bran wax.

INCI Name: *Oryza Sativa (Rice) Bran Wax, Camellia Sinensis (Green Tea) Leaf Extract*





Oat Cosmetics are a research & development company, specialising in advancing oat technology. They bring to you exciting natural and organic oat ingredients to incorporate into your cosmetic formulations, assisting ease of formulation and enhancing finished product activity. They have extensive specialised knowledge of their ingredients, which allows them to be reactive to your needs. They offer you exceptional oat ingredients, backed by science and supported by technical advice.

## AvenaPLex – new data

We are excited to share with you Oat Cosmetics' new study on their powerhouse anti-ageing active, AvenaPLex.

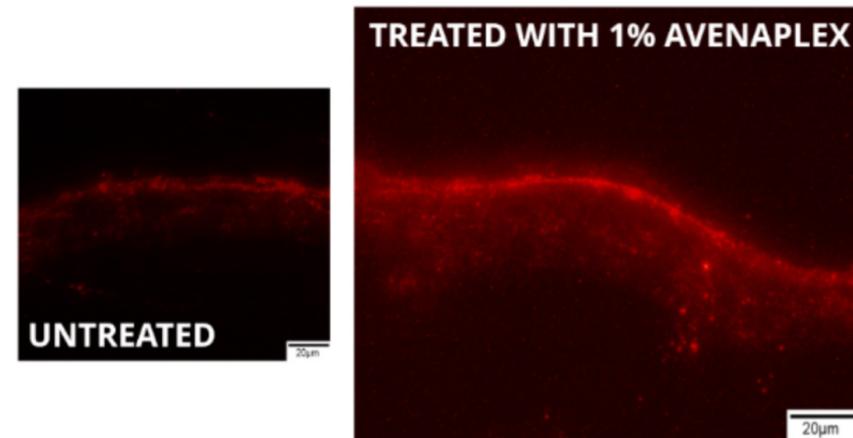
The eight week in-vivo study looked into the efficacy of AvenaPLex in promoting epidermal barrier integrity and showed the stimulation of hyaluronic acid and ceramides in the skin!

The fluorescence representative of hyaluronic acid is significantly more intense in the samples treated with 1% AvenaPLex.

### Hyaluronic Acid Market Trend

Market research has identified that hyaluronic acid remains a very important cosmetic ingredient within many products, due to it promoting 'inner hydration'. Furthermore, it can bind to large amounts of water, encourage cell growth, membrane receptor function and adhesion.

To find out more and to receive a copy of the new study, please do get in contact with us.



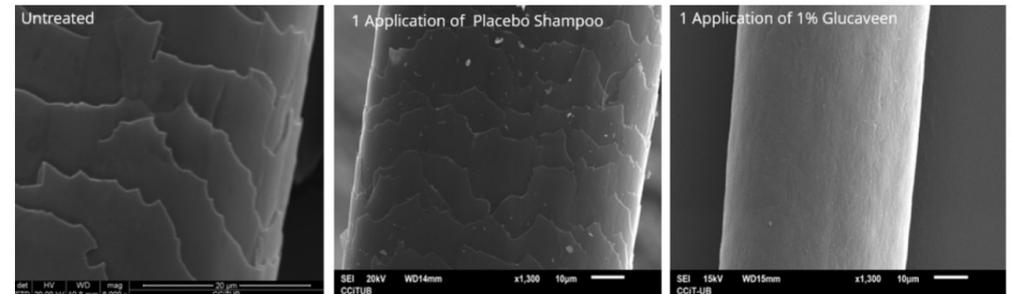
## Glucaveen

Glucaveen is a powerful and unique oat active designed for healthier hair.

Glucaveen contains 30% beta-glucan, which is designed for healthier hair.

This ingredient is COSMOS approved, hypoallergenic, GMO-Free and is a non-irritant proven by an HRIPT test. This ingredient's main qualities include repairing, protecting and moisturising hair, and this is done by forming a natural moisture barrier, strengthening damaged hair and protecting against breakage.

Oat Cosmetics have created two studies which analyse the rinse-off effect on hair moisture and the rinse-off effect on hair strength.



## Aurafirm – new data

### 1. Viability of Lactobacillus

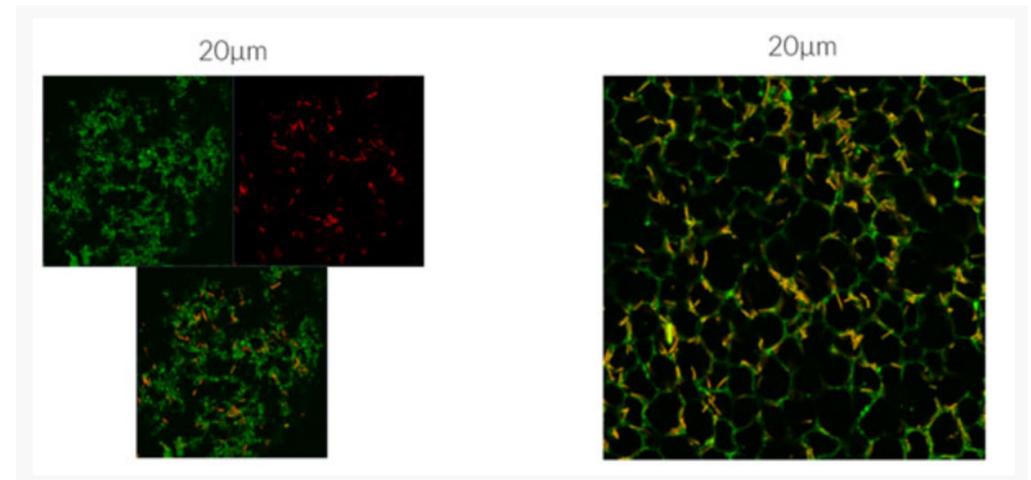
**RESULTS SUMMARY:** Lactobacillus bacteria in aurafirm P are dead (in red/orange) but remain intact, meaning they will act similarly to live bacteria when applied to the skin – a probiotic-like effect. They will have a slow-release effect as they are sitting on an oat-based matrix.

### 2. Bacterial Count

**RESULTS SUMMARY:** aurafirm P has the highest bacterial count of all aurafirm grades. Lactobacillus bacteria (red) account for 6% of the product's solid matter, indicating a high concentration of prebiotic oat material.

### 3. Effects on Bacteria Adhesion and Growth

**RESULTS SUMMARY:** aurafirm N has a selective effect on the growth of three skin-prominent bacterial communities, enhancing the growth of *S. epidermidis* (good bacteria), whilst hindering that of *Corynebacterium* spp and *P. aeruginosa* (considered pathogenic when growth is not controlled).



# oleon

a natural chemistry

Oleon is headquartered in Ertvelde near Ghent (Belgium), has over 1,000 employees worldwide, 11 offices across Europe, USA & Asia, five production plants, and produces more than 600,000 tonnes of material each year. Starting from natural, renewable raw materials such as rapeseed, palm, coconut and sunflower oil, Oleon Health & Beauty manufactures a broad range of fatty acid esters. These products are natural chemicals with varying characteristics to fit many application requirements.





## Products

TRADE NAME	INCI	PHYSICAL FORM	100% NATURAL	PHARMA *	COSMOS/ ECOCERT	IECIC **	RSPO MASS BALANCE CERTIFIED
Radia 7104	Caprylic/capric triglyceride	Liquid	Yes	EP - USP	Yes	Yes	Yes
Radiasurf 7141	Glyceryl stearate SE	Flakes, powder			Yes		Yes
Jolee 7750	Isoamyl laurate	Liquid	Yes		Yes	Yes	Yes
Radia 7336	Decyl oleate	Liquid	Yes		Yes		
Jolee 7373	Triisostearin	Liquid	Yes			Yes	
Jolee 7202	Propylene glycol diheptanoate	Liquid	Yes		Yes		
Radia 2155	Sorbitan oleate	Liquid	Yes		Yes	Yes	Yes
Radia 7208	Propylene glycol dicaprylate/dicaprate	Liquid		EP - USP		Yes	Yes
Radia 7490	Glyceryl stearate (and) PEG-100 stearate	Powder				Yes	Yes
Radia 7732	Isopropyl palmitate	Liquid		EP - USP		Yes	Yes
Radia 7744	Myristyl myristate	Beads	Yes			Yes	Yes
Radia 7779	Ethylhexyl palmitate	Liquid				Yes	Yes

Radiasurf 7145	Sorbitan stearate	Flakes, powder			Yes		Yes	Yes	Yes
Radiasurf 7344	Glyceryl stearate	Beads			Yes	EP type I	Yes	Yes	Yes
Radiamuls MCT 2107K	Caprylic/Capric Triglyceride	Liquid			Yes		Yes		Yes
Radiamuls MG 2918K	Glyceryl Monostearate	Powder			Yes		Yes		Yes
Jolee 7777	Polyglyceryl-3 polyricinoleate (and) Glyceryl oleate citrate (and) Polyglyceryl-3 diisostearate	Liquid							
Jolee 7798	Propylene glycol diheptanoate (and) hydrogenated dilinoleyl alcohol (and) ethylcellulose	Liquid							
Jolee 7887	Polyglyceryl-3 polyricinoleate (and) Sorbitan isostearate	Liquid			Yes		Yes		Yes
Radiamuls Sorb 2137K	Polysorbate 20	Liquid				EP - USP		Yes	Yes
Radiamuls Sorb 2147K	Polysorbate 60	Liquid				EP		Yes	Yes
Radiamuls Sorb 2157K	Polysorbate 80	Liquid				EP		Yes	Yes



Polygal AG is a global leader in the research and utilisation of vegetable hydrocolloids for various applications. Customers from around the world are supplied from their four production facilities located in Switzerland, Spain, Pakistan and China. For more than 60 years and in more than 70 countries around the world, Polygal has been synonymous with a high standard of quality and expertise in application technology.

## Boron-free guar

Polygal will be showcasing their Boron-free guar gums, offering increased deposition and substantivity to hair, excellent conditioning characteristics at lower use level, superior wet/dry combing and detangling, and a smooth hair feel with enhanced foam texture and other sensory attributes.

With the newly developed, resource-efficient and 100% borate-free grades Polycos CA-3003, Polycos CA-3004 and Polycos CA-3005, it is possible to replace existing cationic guar gum grades in cosmetic formulations. Formulations can be converted in a fast and secure way without adjusting the formulation or setup process. Unique and outstanding performance, since other existing borate-free solutions available on the market are not fully compatible with benchmark products that contain borates.

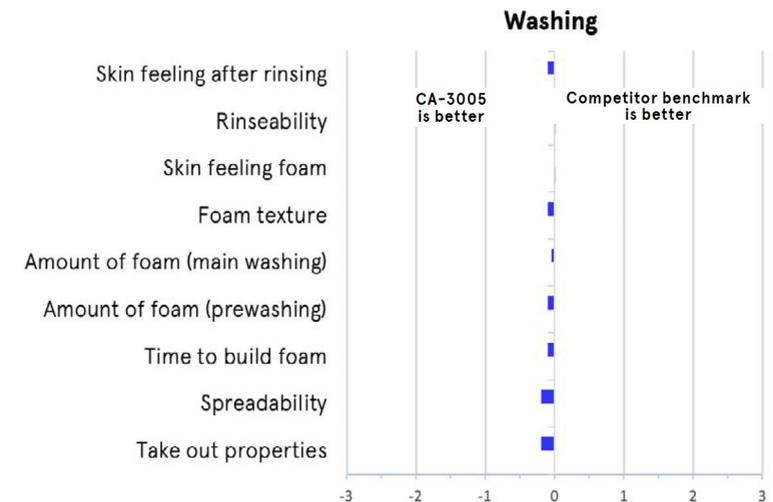
### Recommended processing advice:

As guar gum derivatives are “hydrocolloids”, they require optimum polymer hydration to perform effectively.

Processing tips for formulating with Polycos cationic gum powder for proper incorporation in rinse-off formulations:

- Polycos cationic guar gum powder disperses little in ambient water
- Gradually add Polycos cationic guar gum powder to ambient water while stirring moderately to avoid lumps forming and to allow the particles to disperse thoroughly

The study was carried out by the international testing company Institute Dr. Schrader and compared the compatibility of the new grades with benchmark products on the market (containing borates) in a standard shampoo formulation. The half-head test was carried out by 20 professional hairdressers on different test persons with damaged hair. The results of the study show that the new grades perform similarly (no significant differences) to competitor benchmark products which contain borates.



- Use citric acid to start the hydration and swelling process in water (optimal pH below 6)
- Continue mixing with moderate agitation for an additional 15 to 20 minutes to ensure proper hydration
- Once Polycos cationic guar gum powder is fully dissolved, it is recommended to first add amphoteric and/or non-ionic surfactants to the solution before adding anionic surfactants to prevent the formation of insoluble complexes
- Moderate heating can improve hydration time



# SunChemical®

a member of the DIC group



Color & Comfort

Sun Chemical offers a broad portfolio of pigments, including classical, high performance, inorganic, metallic, organic, pearlescent, dispersions, and synthetic mica pearls. Sun Chemical provides customers with solutions tailor-made for their individual needs and requirements in the coatings, cosmetics, digital, merchant ink, plastics and specialities markets.



## NWD – Natural Wax Dispersions

Sun Chemical's Natural Wax Dispersion (NWD) line is designed for those who lead active and sustainable lifestyles. The dispersion vehicle consists of a unique blend of 100% vegetable-derived emollients – Hydrogenated Rapeseed Oil and Heptyl Undecylenate – to provide a light, luxurious feel to finished cosmetic products, such as lipstick, lip gloss, eye liner and mascara.

Further benefits associated with the carrier system include COSMOS approval and natural formulation suitability. This innovative portfolio is supplied in a free-flowing solid (dry) form, which allows for high pigment loading levels, increased shelf life and efficient handling.

### Key benefits:

- Palm, GMO and preservative free
- High pigment loading levels
- Pourable solid (dry) form eases formulation and processing
- Low dusting
- Particle size < 10 µm
- Luxurious, soft feel
- Matt effect
- Carrier system COSMOS approved
- \*Iron Oxide and TiO<sub>2</sub> dispersions contain 100% Certified COSMOS ingredients

Product Code	Pigment Description	Pigment %	Dispersion Form	Carrier System
NWD-2125	FD&C Blue 1 Al Lake	50	Dry	Hydrogenated Rapeseed Oil/Heptyl Undecylenate
NWD-7622	D&C Red 6 Ba Lake	50	Dry	Hydrogenated Rapeseed Oil/Heptyl Undecylenate
NWD-7662	D&C Red 6 Na Salt	50	Dry	Hydrogenated Rapeseed Oil/Heptyl Undecylenate
NWD-7722	D&C Red 7 Ca Lake	50	Dry	Hydrogenated Rapeseed Oil/Heptyl Undecylenate
NWD-7282	D&C Red 28 Al Lake	50	Dry	Hydrogenated Rapeseed Oil/Heptyl Undecylenate
NWD-9525	FD&C Yellow 5 Al Lake	50	Dry	Hydrogenated Rapeseed Oil/Heptyl Undecylenate
NWD-2336	Black Iron Oxide*	50	Dry	Hydrogenated Rapeseed Oil/Heptyl Undecylenate
NWD-7336	Red Iron Oxide*	50	Dry	Hydrogenated Rapeseed Oil/Heptyl Undecylenate
NWD-9336	Yellow Iron Oxide*	50	Dry	Hydrogenated Rapeseed Oil/Heptyl Undecylenate
NWD-8462	Titanium Dioxide*	50	Dry	Hydrogenated Rapeseed Oil/Heptyl Undecylenate



## Linablue G1-S

Linablue G1-S® is a natural phycocyanin derived from spirulina, a microscopic alga with high protein, vitamin and mineral content. With its high nutritional values and antioxidants, this product is referred to as “the king of superfoods.” Linablue G1-S is adaptable and can be incorporated into various products such as serums, face masks, skincare, sanitary products and makeup, all at the recommended dosage of 0.1 to 1.0%.

Advantages of using this product:

- Antioxidant activity: inhibits the generation of lipid peroxidation.
- Water-soluble powder
- pH stability: 4.5 – 8.0
- ISO 16128-2: 40% Natural Content – 100% Natural Origin Content
- COSMOS and Halal certified
- Vegan compliant

INCI Name: *Spirulina Platensis Extract & Trehalose & Sodium Citrate*





## Spirulina Powder ET-F

Spirulina Powder ET-F®: a microscopic alga with high levels of proteins, vitamins, amino acids, minerals and antioxidants, widely established within the human and animal nutrition sector and the cosmetics industry. Spirulina is a free-floating filamentous microalga growing in alkaline water bodies.

Advantages of this product:

- Naturally occurring and highly sustainable
- Contains Vitamin E, selenium, and tyrosine, all known for their anti-ageing properties.
- Decreases inflammation
- Tones the skin
- Encourages cell turnover

INCI Name: *Spirulina Platensis Extract & Trehalose & Sodium Citrate*



## SunSHINE Pink Champagne

A unique rose gold pearl, combining the lust and clarity of SunSHINE<sup>®</sup> with the chromaticity of inorganic colour.

Advantages of this product:

- Perfect for the current rose gold makeup trend
- Fit for all types of make-up applications
- Ideal for all complexion types
- Flawless light sparkling finish to any day/night make-up

Particle Size Distribution : 9 –45 µm

- Perfect for glowy Rose-Gold trend make-up
- Fit for all types of applications & all complexion types
- Light sparkling effect for day & night make-up

INCI Name: *Synthetic Fluorophlogopite(and) Titanium Dioxide (and) Iron Oxide*





## SunSHINE Soft Beige

An ultra-fine pearl for a natural/nude make-up look, with a subtle velvet/satin effect. This product is perfect for making the skin look radiant, whilst minimising the appearance of imperfections.

Advantages of this product:

- Visible smoothness, transparency and cleanliness (thanks to the synthetic mica)
- Improves natural glow
- Fit for all complexion types
- Velvet and magnetic makeup effect

Particle Size Distribution: 1-15 microns

INCI Name: *Synthetic Fluorophlogopite (and)Titanium Dioxide (and) Iron Oxide*





# WORLÉE

seit 1851

The department for cosmetic raw materials at Worlée-Chemie GmbH comprises a broad range of products for the colour cosmetics, skin care and hair care market. Their products are developed and produced using the highest level of quality and security standards in cooperation with the sites in Lauenburg and Lübeck in northern Germany.

## WorleeScrub Olive

The WorleeScrub Olive is a new natural product from Worlee Cosmetics. The scrub is made from olive stones, which are ground into a powder after drying, and then processed by steam to ensure gentle sterilisation.

As the product is of purely vegetable origin, it is ideally suited as a sustainable alternative to plastic granulates in the processing of vegan or allergy friendly cosmetics.

The olive stone powder is available in fine (300 µm) and coarse(500 µm) form which is particularly suitable for exfoliants and shower gels, and can be used in accordance to the intended application and desired abrasive effect to produce face and body products.



### Benefits of WorléeScrub Olive:

- COSMOS Certified
- Vegan
- Natural Origin Index of 1 (ISO 16128)
- A great alternative to plastic or synthetic granules
- Suitable for the production of anti-allergen cosmetics.

For further information on any of our products or for additional support, then please get in touch:

[info@protecingredia.com](mailto:info@protecingredia.com)

+44 (0) 20 3761 3001

[www.protecingredia.com](http://www.protecingredia.com)

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Ingredia