

GOBIOTICS COSMETICS INGREDIENTS




Gobiotics
Ingredients

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on-line e-book.](#)

Natural & Sustainable

BIODINE V

Repairs what time took away!



Natural & Sustainable



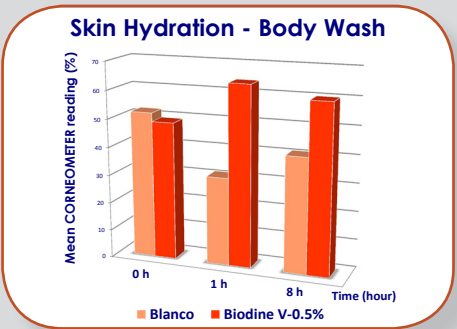
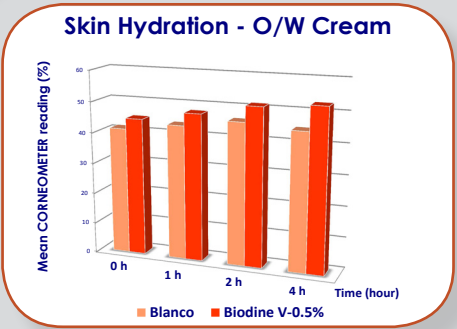
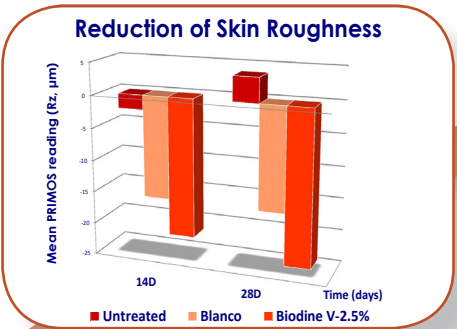
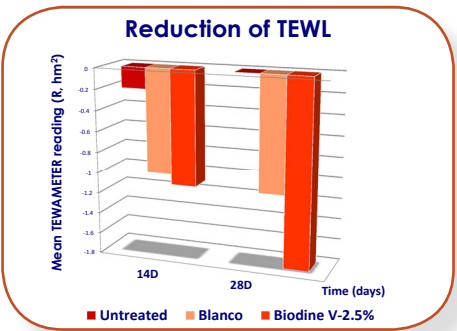
In Biodine V different plants cooperate to mimic the composition and the liquid crystal structure of our skin. The hydrolipidic film of Biodine V forms together with the skin cells the protective barrier which prevents trans-epidermal water loss. The skin lipids are stored through a liquid crystal structure.

Sensitive, dry or damaged skin suffers from a partially destroyed hydrolipidic film. Biodine V repairs this damage instantly thanks to its similar composition and liquid crystal structure.

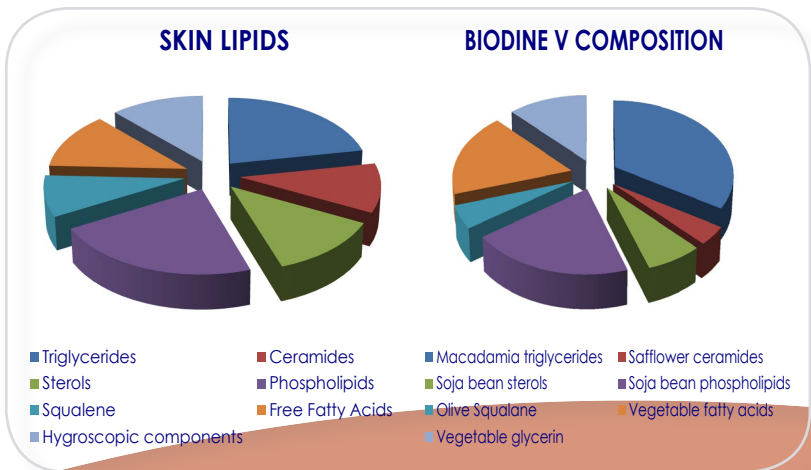
- A healthy and resistant skin
- Immediate skin repair supported with a long lasting effect
- Smoother skin
- Skin repair
- Repairs sun damage
- Active in rinse off and leave on cosmetic products



BIODINE V - EFFICACY TESTS



BIODINE V - COMPOSITION



BIODINE V - FORMULATIONS

Natural Exotic Lip Balm - LBNE-120305-A

Phase	Ingredient	INCI	Function	%
A	Apricot Kernel Oil, Refined	Prunus Armeniaca Kernel Oil	Vegetable Oil	9.3
	Moringa Oil, Refined	Moringa Oleifera Seed Oil	Vegetable Oil	36.6
	Coconut Oil, Refined	Cocos Nucifera Oil	Vegetable Oil	17.1
	Squalane Vegetable	Squalane	Skin Natural lipids	5
	Shea Butter	Butyrospermum Parkii Butter	Vegetable Butter	3
	Cocoa Butter, Powderized	Theobroma Cacao Seed Butter	Vegetable Butter	12
	Rice Wax	Oryza Sativa Cera	Vegetable Wax	2
	Beeswax White, Pure	Cera Alba	Vegetable Wax	10
	Carnauba Wax T1	Copernicia Cerifera Cera	Vegetable Wax	3.5
	Biodine V	Macadamia Integrifolia Seed Oil, Phospholipids, Glycine Soja Sterols, Stearic Acid, Glycerin, Safflower Oil/Palm Oil Aminopropanediol Esters, Squalane	Active Ingredient	0.5
B	Aroma	Aroma	Aroma, taste	QS
	Seabuckthorn Pulp Oil	Hippophae Rhamnoides Oil	Vegetable Oil	0.02

BIODINE V - TECHNICAL DATA

INCI	Macadamia Integrifolia Seed Oil, Phospholipids, Glycine Soja Sterols, Stearic Acid, Glycerin, Safflower Oil/Palm Oil Aminopropanediol Esters, Squalane
DOSAGE	0.3-0.5% Rinse off 0.5-4.0% Leave on
ASPECT	Paste



BIOLIN

A Delicate Love Story!



Natural & Sustainable



When you think you are alone, you are still surrounded by billions of invisible allies. They inhabit the skin surface, leaving no place to foreign and hostile organisms.

These beneficial micro organisms form a protective anti-microbial shield against hostile organisms. This skin microbiota lives on a delicate balance. Daily events risk to disturb this harmony. This balance is critical in the

case of baby skin, elderly skin, female intimate area and the skin of diabetic persons.

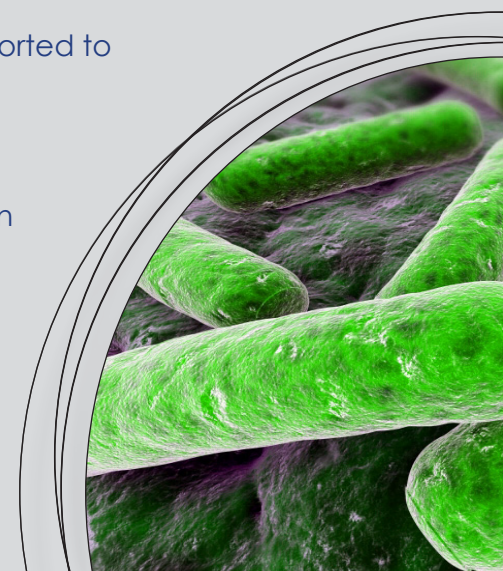
When our protective micro organisms are reduced, their place can be taken by hostile organisms, such as *C. albicans*. The skin or mucous membrane feels uncomfortable or becomes red and itchy. In a more advanced state this can lead to infections.

- **A Novel Prebiotic**

- **Works in a Harmony with your Skin**

BIOLIN - APPLICATIONS

- **Baby cosmetics**
 - The new and still delicate skin barrier is supported to prevent *C. albicans* infections
- **Feminine hygiene**
 - Works with the body. Supports the natural *Lactobacillus* barrier
- **Sensitive skin**
 - Strengthens the sensitive barrier, especially in diabetic skin
- **Elderly cosmetics**
 - Increases the protective shield in the occlusive diaper zone



BIOLIN: An Efficient Prebiotic

The causes which disturb the delicate balance of our skin microbiota are always present. It is impossible to protect our natural balance all the time. This is especially the case for babies, elderly people and people with sensitive skin.

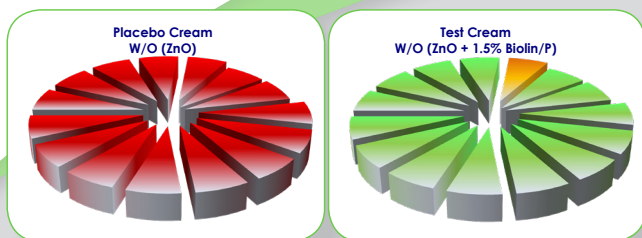
An effective solution is to make the balance of the skin microbiota stronger against important changes. Changes such as UV light, pollutants, cleansing products, occlusive conditions of diapers, ... The microorganisms can be supported by a prebiotic ingredient. BIOLIN has such a prebiotic activity.

BIOLIN works as a kind of food supplement for the protective skin microbiota, while the foreign and often harmful organism can not digest BIOLIN. In this way the skin microbiota is favoured over the foreign microorganisms. In the presence of BIOLIN the skin microbiota will recover faster, while the harmful ones are reduced. Eventual skin problems are prevented.

BIOLIN - DEMONSTRATION OF ACTIVITY

Prevention of diaper rash (Clinical test)

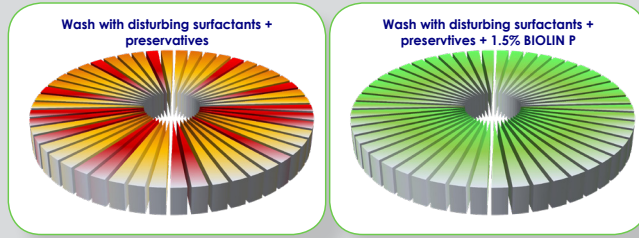
Test persons: 15 atopic babies (<2.5 years)
all sensitive to diaper rash,
other infections or eczema



■ Baby with diaper rash ■ No conclusion ■ Baby with healthy skin

Prevention of feminine intimate discomfort (Clinical test)

Test persons: 50 women sensitive to vaginal infections

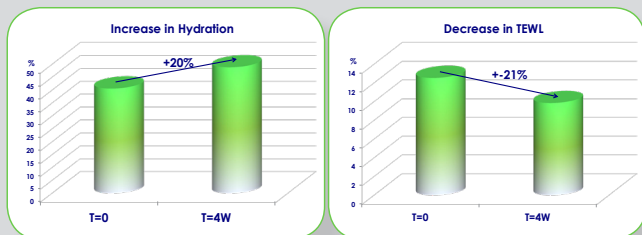


■ Infections ■ Discomfort ■ No complaints

Improvement of skin functions in case of diabetes (Clinical test)

- (Adv Dermatol Allergol 2016; XXXIII (3): 224-231)

Test persons: 50 diabetic patients

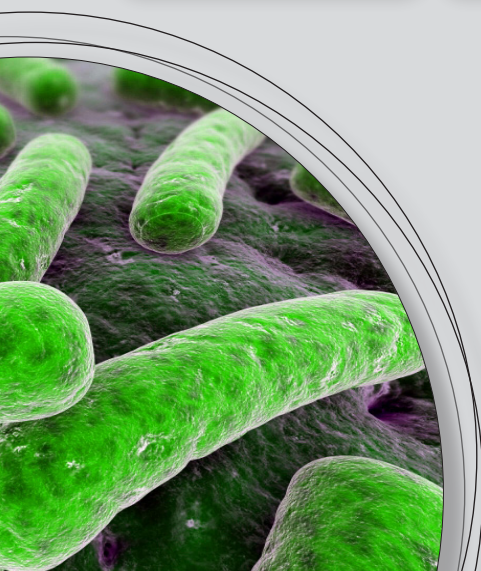


BIOLIN - TECHNICAL DATA

INCI Inulin,
Alpha-glucan oligosaccharide

DOSAGE 1 - 5%

ASPECT Powder or Liquid



GOSULIN[®] AGAVE

A Blue Poem of Sugar Delight!



Natural & Sustainable



Gosulin Agave is a unique sensorial film former derived in a natural and sustainable way from the nectar of the imaginative blue Agave (botanical name: Agave Tequilana).

GOSULIN AGAVE - A GIFT FROM THE SUN

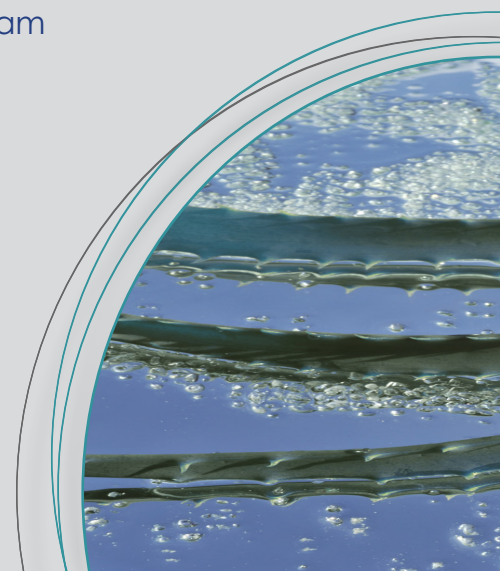
The blue Agave originates from the arid region Jalisco in Mexico.

Agave grows in dry and unfertile soil, where no other crop can grow.

The plant requires no irrigation, no fertilizing, no pesticides, nor herbicides. Agave is solely born out of the energy of the sun. The solar energy is transformed into a unique polysaccharide: branched Inulin.

GOSULIN AGAVE - APPLICATIONS

- Facial cream
- Anti aging
- Wrinkle concealing
- Men's grooming (After shave gel)
- Facial Mask
- Bodylotion
- Eye cream
- BB-cream
- Lotions



GOSULIN AGAVE - a production process in respect with nature

Gosulin Agave is the extracted agave polysaccharide, spray dried on a maltose polymer.

By mixing the agave with hot water, the precious polysaccharide is released and a nectar is obtained.

This nectar is spray dried on a maltose polymer.

The cultivation and the extraction has no impact on the environment, nor on food supply.

GOSULIN AGAVE - for skin caressing softness

The natural polysaccharides of Agave Tequilana, offers caressing sensorial properties to emulsions, lotions, serums and gels.

The agave polysaccharides form a velvet network on the skin together with the oils, polyols and thickeners present in the formulation. These polysaccharides offer to the formulator an endless variety of surprising skin effects:

- An improved and natural alternative to silicone elastomers
- A long lasting caring after feel
- Enhanced richness of watery formulations (gels, tonics, serums)
- A delicate softening of the skin: Immediately and long lasting
- Improved spreadability

The enhanced/improved skin feeling is already noticeable at low concentration (0.1%). In each formulation the aesthetic effect is different, but each time deliciously noticeable.

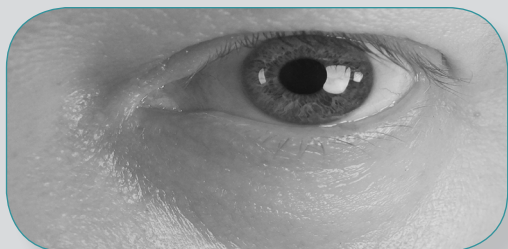
GOSULIN AGAVE - for a mattifying finish

If used in higher concentrations (>1.2%) Gosulin Agave reduces the shiny aspect of oily skin. The effect is immediate and long lasting. It is an ideal solution to avoid the use of occlusive make up.

GOSULIN AGAVE - as a skin lifting and wrinkle filling agent

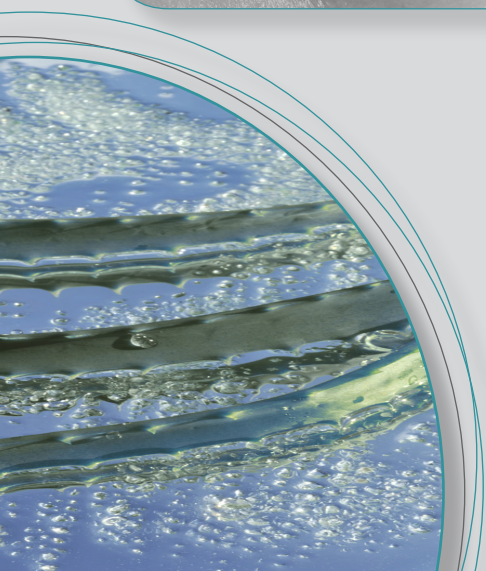
The comfortable network of polysaccharides woven over the skin by Gosulin Agave has both an appreciable lifting effect and an efficient filling performance on wrinkles.

In 5 minutes the wrinkle reduction is objectively measurable. The optical effect is convincingly noticeable. The effect is long lasting and depends on the dosage. The wrinkle concealing effect is already visible from a dosage of 0.25%.



GOSULIN AGAVE - TECHNICAL INFORMATION

INCI:	Maltose, Agave Tequilana Leaf Extract
Dosage:	0.1 - 2%
0.1%	Noticeable influence on skin feeling, spreadability
0.25%	Visible concealing effect on wrinkles
1.2%	Mattifying effect



GOSULIN[®] IL (IL, IL/MB)

Natural solution without compromises!



Natural & Sustainable



Gosulin IL is a vegetable based emollient made out of renewable natural sources such as Sugar and Palm.

Gosulin IL possesses unsurpassed unique and amazing properties.

- Unlimited Naturally
- Volatile touch

GOSULIN IL - APPLICATIONS

- Sun care
- Baby care
- Day care
- Hair care
- Replacement for Cyclomethicone, PPG-15 Stearyl Ether
- Bath oil
- Make up remover
- Antipersipants
- Aerosols
- Natural cosmetics



GOSULIN IL - Natural and Safe replacement for Volatile silicones...

1) **Volatile touch**

Gosulin IL has a superior volatile behavior, making it the ideal "improved" replacement for volatile silicones. Unlike silicones, Gosulin IL is free from CMR, free from solvents, has no inhalation toxicity and respects our environment.

2) **Reduces the soaping effect / whitening of creams**

When a high amount of waxes or fatty alcohol is used, emulsions become white on the skin during application; especially natural emulsions suffer from this problem. Adding Gosulin IL to such an emulsion reduces this whitening effect efficiently.

3) **Boosts spreadability**

Emulsions with high amount of vegetable oils, butters or waxes have an unpleasant spreadability. Gosulin IL reduces this problem in a spectacular way. The effect is comparable to volatile silicones

4) **Eliminates tackiness completely**

Sun screens, vitamins give a sticky skin feel to cosmetics. In the presence of Gosulin IL, this tackiness disappears completely. An ideal solution for a day creams with a high SPF or a high content of vitamins.

... And much more

5) **Soluble with Dimethicone**

Almost no ingredients mix with Dimethicone. Gosulin IL is a natural exception as it mixes easily with Dimethicone. It is therefore a powerful (waterproof) make up remover which does not irritate eyes.

6) **Disperses solids**

Gosulin IL is a perfect dispersing agent for Titanium Dioxide, Aluminium Chlorohydrate and make up pigments.

7) **Dissolves sunscreens**

Gosulin IL dissolves sunscreens easier than synthetic emollients such as Alkyl Benzoate.

8) **Avoids oil separation**

Gosulin IL is able to mix unmixable ingredients. In this way it eliminates oil separation problem in emulsions. Gosulin IL is also able to clarify bath oils.

9) **Turns W/O into a O/W-touch**

W/O-emulsions have a reputation to have a heavy feeling on the skin. Gosulin IL transforms easily these W/O-emulsions into light emulsions that can be hardly distinguished from a O/W-emulsions.

GOSULIN IL - FORMULATIONS

Dry Oil - DON-130325-A

Phase	Ingredient	INCI	Function	%
A	Gosulin IL	Isoamyl Laurate, Isoamyl Cocoate	Natural oil	92,48
	Eutanol G	Octyldodecanol	Emollient	6
	Macadamia Oil	Macadamia Integrifolia Seed Oil	Vegetable oil	0,5
	Seabuckthorn Oil	Hippophae Rhamnoides Fruit Oil	Vegetable oil	0,02
	Parfum	Parfum	Parfum	QS

GOSULIN IL, IL/MB - CHARACTERISTIC

- Colourless
- Odourless
- Viscosity @ 40°C <3.9 mm2/s



INUTEC H25P



Condition Yourself by Nature!



INUTEC H25P is a highly purified Inulin. Inulin is a unique linear natural sugar polymer based on glucose and fructose. It is extracted by means of hot water from the chicory root (*Cichorium Intybus*) and is further enzymatically purified.

INUTEC H25P has the unique property to form a smooth and pleasant film on the skin and hair. It is particularly effective when formulated in rinse off products.

Harsh shower gels with INUTEC H25P become milder and leave the skin softer. The hair feels smoother and regains its natural shine.

INUTEC H25P has also the ability to retain perfume and oil components from rinse off products on skin and hair. In this way INUTEC H25P has the ability to boost and to prolong the effect of oils soluble actives on the skin or hair.

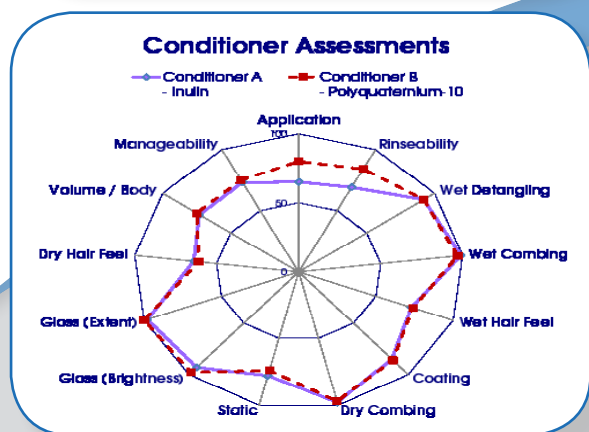
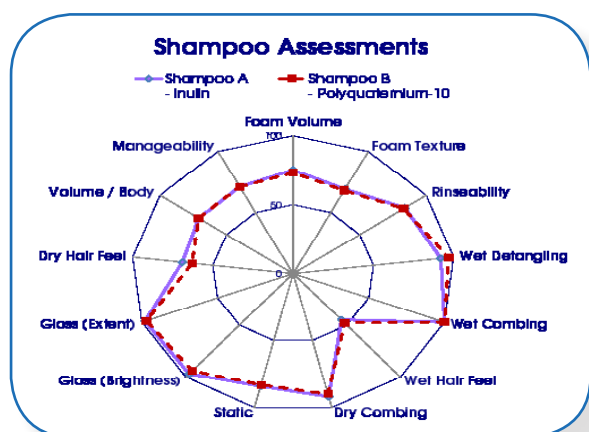
INUTEC H25P - APPLICATIONS

- Conditioning Shampoo
- Conditioners
- Shower gels
- Shower butter
- Deo Shower
- Hand Wash
- Shower Cream
- Bath Salt

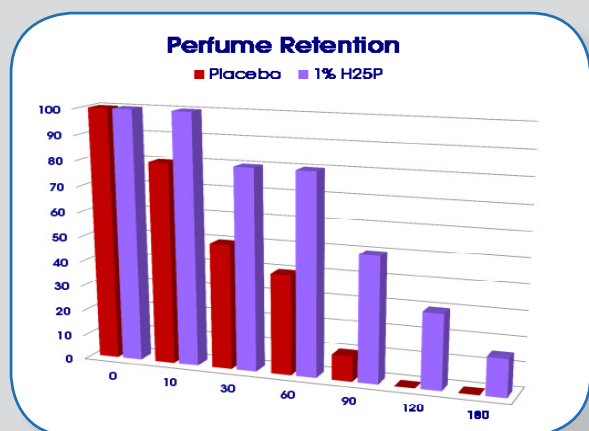


INUTEC H25P - CLAIMS

Conditioning effect – Half Head Test



Perfume Retention



INUTEC H25P - FORMULATIONS

Shower Butter Soft - SB-061214

Phase	Ingredient	INCI	Function	%
A	Water	Aqua	-	QS
	NaCl	Sodium Chloride	Preservative-like	7
	Citric Acid	Citric Acid	pH adjuster	QS
B	Glycerine	Glycerin	Humectant	35
	Jordapon SI	Sodium Cocoyl Isethionate	Surfactant	21
	Stearic Acid	Stearic Acid	Thickener	2
C	Mirateine CBS	Aqua, Cocamidopropyl Hydroxysultaine	Surfactant	9
D	Inutec H25P	Inulin	Conditioner	5
E	Parfum	Parfum	Perfume	QS
C	Colorant	-	Colorant	QS

Conditioning Shampoo - CS-140904

Phase	Ingredient	INCI	Function	%
A	Water	Aqua	-	QS
	Euxyl PE9010	Phenoxyethanol, Ethylhexylglycerin	Preservative	QS
	Inutec H25P	Inulin	Conditioner	1.5
	Mirateine CBS	Aqua, Cocamidopropyl Hydroxysultaine	Surfactant	6
B	Ufarol AM30	Aqua, Ammonium Lauryl Sulfate	Surfactant	30
	Rewoderm LI S80	PEG-200 Hydrogenated Glyceryl Palmate, PEG-7 Glyceryl Cocoate, Aqua	Surfactant	3
	Perfume	Parfum	Perfume	QS
C	Citric Acid	Citric Acid	pH adjuster	QS
D	Ammonium Chloride	Ammonium Chloride	Thickener	QS

INUTEC H25P - TECHNICAL DATA

INCI	Inulin
CTFA	Inulin
ASPECT	White powder
SMELL	Odourless
DOSAGE	0.5-5%



INUTEC[®] SL1

Patented Inulin Technology!



Natural & Sustainable



INUTEC[®] SL1 - The power of the detail in O/W Emulsion

Obtained from:

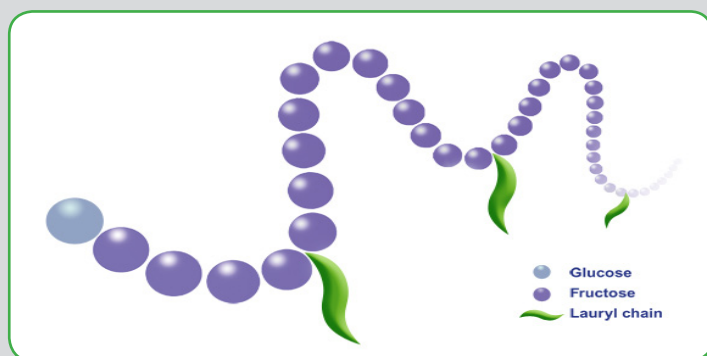
- Inulin extracted from the root of chicory (*Cichorium intybus*)
- Lauric acid derived from Coconut oil (*Cocos nucifera*)

Inulin is a linear polysaccharide consisting of fructose with one starting glucose part.

Inulin demonstrates 2 remarkable characteristics:

- Unlike most other molecules Inulin is extremely flexible. It behaves like a rope.
- Inulin intensively adsorbs water.

To obtain Inutec[®] SL1 this flexible and hydrophilic inulin is grafted with lipophilic lauryl chains.

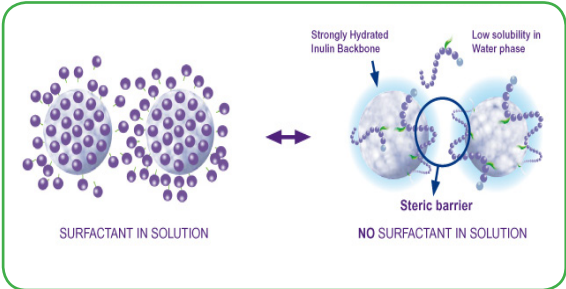


INUTEC®SL1 - The unbreakable stabilizer for O/W emulsions

The mechanism:

In a mixture of oil and water, Inutec®SL1 migrates quickly to the Oil/Water interface. The lauryl chains are firmly anchored into the oil, while the long inulin polymers encapsulate tightly the oil droplet. In this way an unbreakable film of strongly hydrated inulin stabilizes the oil droplets. Inutec®SL1 intensively improves the stability performances of all other O/W-emulsifiers.

O/W-emulsions stabilized with Inutec®SL1 shows a remarkable resistance against the 2 major instability issue: coalescence and Ostwald ripping.



The endless power!

Type and amount of oil:

Inutec®SL1 is compatible with **ALL** oil soluble or lipophilic substances such as:

- Mineral oil / waxes
- Esters
- Vegetable oils / buttes
- Silicone oils / elastomers
- Essential oils
- Sun screens
- Combination of all these oils

INUTEC®SL1 stabilizes all oils up to 55%.

Conditions:

Inutec®SL1 performs without limitations in following extreme conditions:

pH	4-11
Cold temperature	As low as -20°C
Hot temperature	As high as +50°C
Temperature shock	From -5°C to +45°C

Inutec®SL1 performs without limitations with following difficult ingredients:

Salt (sodium, potassium, calcium, magnesium,...)	Up to 26%
Cationic substances	Unlimited
Anionic substances	Unlimited
Acid preservatives	Unlimited
Pentylene glycol, Caprylyl glycol	Unlimited

With Inutec®SL1 the viscosities from spray to butter can be obtained.

Unique: a sprayable emulsion with 50% of oil is possible.

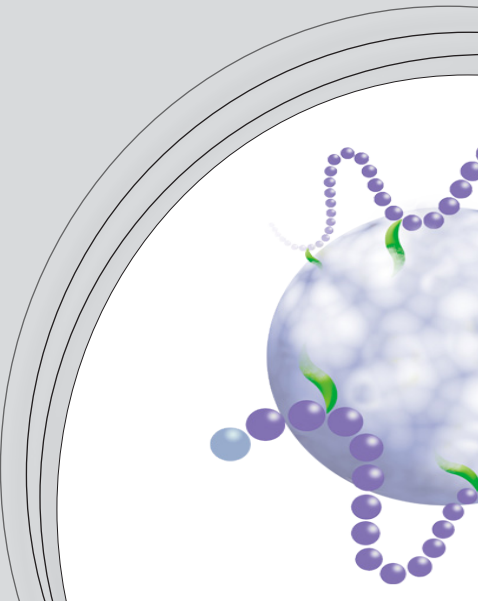
Dosage:

Inutec®SL1 stabilizes already emulsions from 0.2%

Standard: 0.2 - 4%

Flawless Upscaling

Most emulsifiers are sensitive to upscaling. The viscosity/stability obtained on lab scale differs from the viscosity/stability obtained in production. INUTEC®SL1 avoids all upscaling difficulties, as the performance of INUTEC®SL1 is quite independent of emulsification temperature and way of mixing/homogenizing



INUTEC®SL1 - Safety

Unlike emulsifiers, Inutec®SL1 cannot interfere with the skin because of its size and chemical structure. The safety profile is therefore impeccable:

Skin irritation: not irritant Eye irritation: not irritant Sensitization: not sensitizing

INUTEC®SL1 - Innovates the skin feel of emulsions

The flexible hydrated Inulin film is able to encapsulate the oil into tiny droplets with an average diameter of not more than 1µm. The oil droplet size of emulsions stabilized with INUTEC®SL1 is therefore significantly smaller than the droplet size obtained with standard emulsifiers.

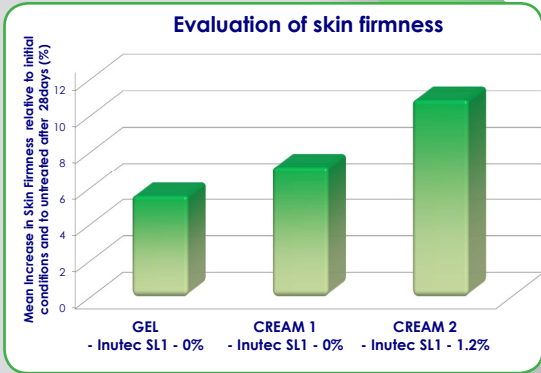
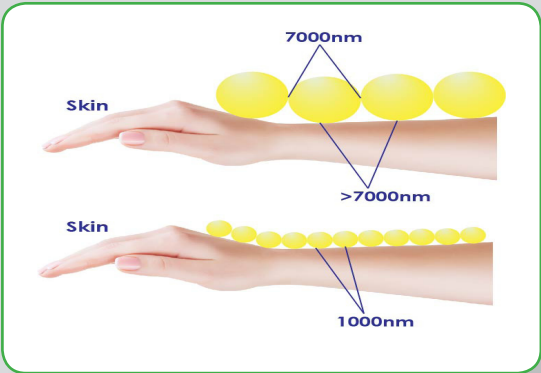
Since our skin is not able to feel particles smaller than 1µm, INUTEC SL1-emulsions are evaluated as

- light - non-greasy - non-tacky - extraordinary spreadability

Inutec®SL1 is able to mask the tackiness and greasiness of sunscreens, vitamins, waxes, petrolatum and many other unpleasant additives.

INUTEC®SL1 - Enhances the performance of actives

The micro oil droplets formed by Inutec®SL1 cover the skin surface more efficiently than larger droplets, formed by a standard emulsion.



These extremely small and stable droplets form actually a kind of patch on the skin: A liquid patch. The actives present in the emulsion are therefore longer trapped on the skin with Inutec®SL1. Moreover the water phase is longer trapped under the liquid patch formed by the small droplets. This trapped water increases the availability of actives for the skin.

This increased availability and hence performance of actives with Inutec®SL1 has been demonstrated in following study.

Centella asiatica, a well known firming active, has been added in an emulsion with and without Inutec®SL1. Inutec®SL1 boosts the performance of an active by 50%.

Ingredient	INCI	Gel	CR1	CR2
Water	Aqua	QS	QS	QS
Euxyl PE9010	Phenoxyethanol, Ethylhexylglycerin	QS	QS	QS
Glycerin	Glycerin	2.1	2.1	2.1
Tego care CG90	Cetearyl Glucoside	0	0.5	0.2
Inutec SL1	Glycerin, Inulin Lauryl Carbamate	0	0	1.2
Sabonal C1618 50/50	Cetearyl Alcohol	3	3	3
Miglyol 812	Caprylic/Capric Triglyceride	10	10	10
TECA	Centela Asiatica Extract	1	1	1
Rhesperse RM100	Sodium Polyacrylate	0.5	0.5	0.5

INUTEC®SL1 - Formulations

Massage Lotion - MO-240603-C

Phase	Ingredient	INCI	Function	%
A	Water	Aqua	-	QS
	Euxyl PE9010	Phenoxyethanol, Ethylhexylglycerin	Preservative	QS
	Keltrol T	Xanthan Gum	Stabilizer	0.06
	Inutec SL1	Glycerin, Inulin Lauryl Carbamate	Stabilizer	4
	Edeta BD	Disodium EDTA	Complexing	0.05
	Lactic Acid	Lactic Acid	pH adjuster	QS
B	Paraffinum Liquidum	Paraffinum Liquidum	Mineral oil	42
	Sunflower Oil High Oleic	Helianthus Annuus Seed Oil	Vegetabe oil	5
	PCL Liquid	Cetearyl Ethylhexanoate	Emolient	2.5
	Cetiol SN	Cetearyl Isononanoate	Emolient	2.5
	Oxyhex 2004	Propylene Glycol, BHT, Ascorbyl Palmitate, Glyceryl Stearate	Antioxidant	QS
	Perfume	Parfum	Perfume	QS
C	Carbopol Ultrez-21	Acrylates/C10-30 Alkyl Acrylate Crosspolymer	Stabilizer	0.1
	Water	Aqua	-	2.9
D	Sodium Hydroxide	Sodium Hydroxide	pH adjuster	QS

High SPF Spray - SPF50S-100207-H-SL1

Phase	Ingredient	INCI	Function	%
A	Water	Aqua	-	QS
	Euxyl PE9010	Phenoxyethanol, Ethylhexylglycerin	Preservative	QS
	Keltrol T	Xanthan Gum	Stabilizer	0.08
	Kelcogel CG HA	Gellan Gum	Stabilizer	0.1
	Inutec SL1	Glycerin, Inulin Lauryl Carbamate	Stabilizer	4
	EDETA BD	Disodium EDTA	Complexing agent	0.05
B	Sabonal C1618 50/50	Cetearyl Alcohol	Stabilizer	1
	Crodamol AB	C12-15 Alkyl Benzoate	Emolient	8
	Crodamol IPP	Isopropyl Palmitate	Emollient	2
	Miglyol 812	Caprylic/Capric Triglyceride	Emolient	4
	Crodamol CP	Cetyl Palmitate	Emolient	1
	Eumulgin B2	Ceteareth-20	Emulsifier	0.5
	Eusolex OCR	Octocrylene	Sunscreen UVB	4
	Parsol SLX	Polysilicone-15	Sunscreen UVB	4
	Parsol MCX	Ethylhexyl Methoxycinnamate	Sunscreen UVB	8
	Parsol 1789	Butyl Methoxydibenzoylmethane	Sunscreen UVA	2
C	Perfume	Parfum	Perfume	QS
	Sodium Hydroxide	-	pH adjuster	QS

INUTEC®SL1 - Applications

Inutec®SL1 is suitable and useful for all cosmetic emulsions. More particularly for:

- Baby care
 - Dermato-cosmetic
 - Eye products
 - Sensitive skin
- Sun care
 - Hair waxes
 - Conditioner

INUTEC®SL1 - Technical data

INCI / CTFA	Glycerin, Inulin Lauryl Carbamate
CTFA	Glycerin, Inulin Lauryl Carbamate
ASPECT	Yellow orange paste
SMELL	Characteristic



NEOCARE P3R

All in One Concept!



Natural & Sustainable



NEOCARE P3R has it all. It is a natural emulsifier derived from pure castor and glycerin. Neocare P3R is not only mild; it actually hydrates your skin, protects and repairs your skin barrier WITHOUT the usage of any active.

NEOCARE P3R produces glossy, gourmand and elegant emulsions. During application you can feel its protective and hydrating activity. The after feel is rich and elegant. The skin looks and feels immediately better.

- Protective emulsifying technology
- Boosting effect of actives
- Hydrates up to 24h
- Boosts SPF
- Enhances water resistance

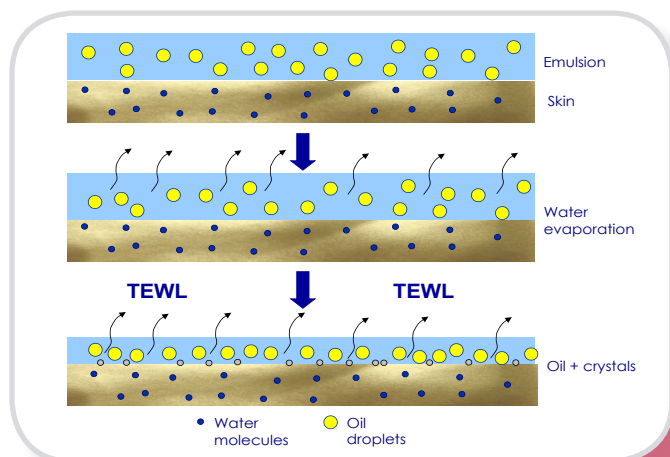
NEOCARE P3R - APPLICATIONS

- | | |
|------------------|---------------------|
| • Sun Protection | • Baby Care |
| • Night Cream | • Cosmeceuticals |
| • Body Lotion | • Natural Cosmetics |
| • Foundation | • Foot Care |

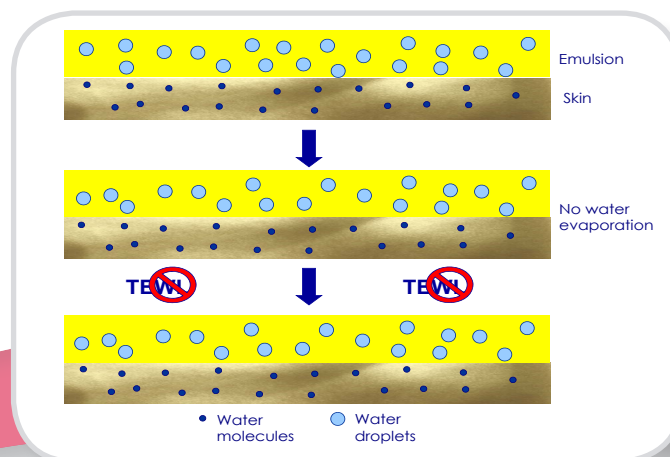


NEOCARE P3R - MECHANISM

Emulsion O/W

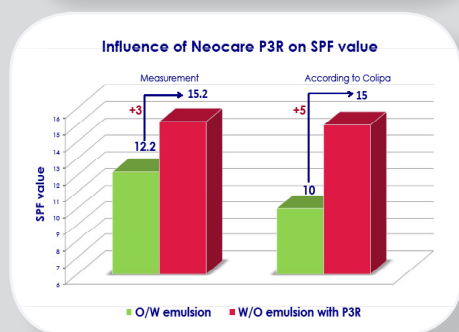
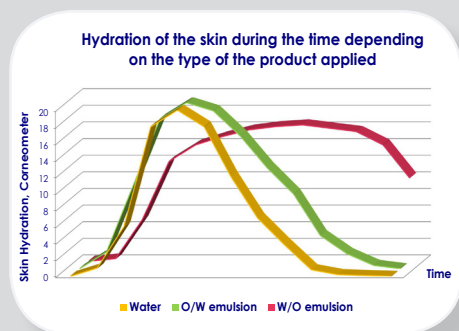


Emulsion W/O



The emulsion with Neocare P3R has oil as an external phase which does not evaporate. It results in a longer and more efficient contact time of the actives present in the formulation. In a standard O/W emulsion the external phase is water which evaporates fast. It results in a shorter contact time of the actives present in the formulation.

NEOCARE P3R - EFFICACY TESTS



NEOCARE P3R - FORMULATIONS

W/O Foot Cream with Urea - WOC-090602-3-16M-U10-40

Phase	Ingredient	INCI	Function	%
A	Water	Aqua		QS
	Glycerin	Glycerin	Humectant	3
	MgSO ₄ x 7H ₂ O	Magnesium Sulfate	Stabilizer	1
	Euxyl PE9010	Phenoxyethanol, Ethylhexylglycerin	Preservative	QS
	Urea	Urea	Active ingredient	10-40
B	Neocare P3R	Polyglyceryl-3 Polyrinoleate, Polyglyceryl-3 Ricinoleate	Emulsifier Hydration Booster	3
	Macadamia Nut Oil, Refined	Macadamia Integrifolia Seed oil	Vegetable oil	5.3
	Crodamol OS	Ethylhexyl Stearate	Ester	5.3
	Arlamol HD	Isohexadecane	Mineral oil	5.3

NEOCARE P3R - TECHNICAL DATA

INCI	Polyglyceryl-3 Polyrinoleate Polyglyceryl-3 Ricinoleate
DOSAGE	3 - 5%
ASPECT	Liquid

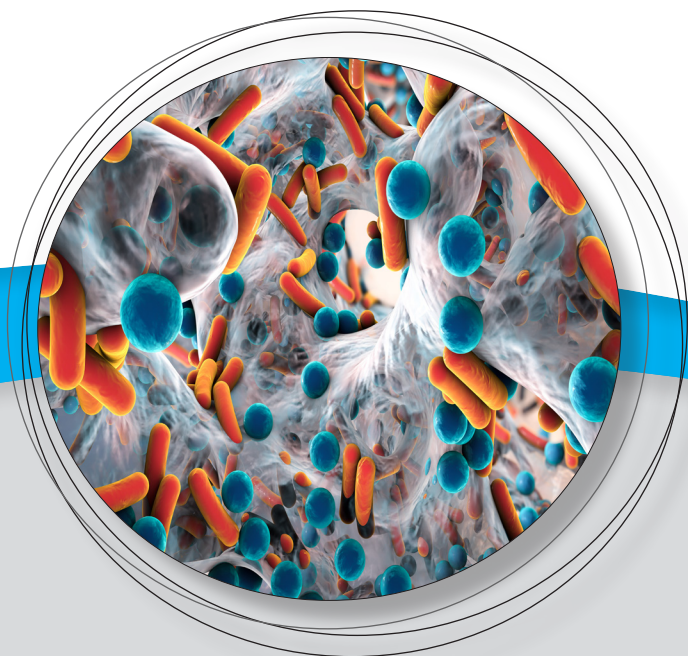


preBIULIN™ AGA

The Gift that keeps Giving



Natural & Sustainable



Prebiotic Hydration

A synergistic union of high molecular weight Inulin (from Chicory and Sunroot) and Agave Inulin with a dual action:

- Super hydration – Hydrates the skin via the skin microbiota.
- Counter preservative – undoes the damaging effect of preservatives on our skin.

Skin protection is an essential step in keeping the skin attractive and healthy. The skin has a dual strategy to safeguard itself.

- 1) Hydration. A well hydrated skin is a well-protected skin. Water is crucial for building the barrier and to maintain the biochemical defence reactions.
- 2) Skin Microbiota. The outermost boundary of the skin is covered by a protecting and hydrating biofilm. This biofilm is a home for our skin microbiota that keeps the enemies of the skin out.

All cosmetic preparations contain preservatives. These antimicrobial preservatives are the weak spot in all skin care, as they reduce the protective skin microbiota.

Preservatives exert the following damage:

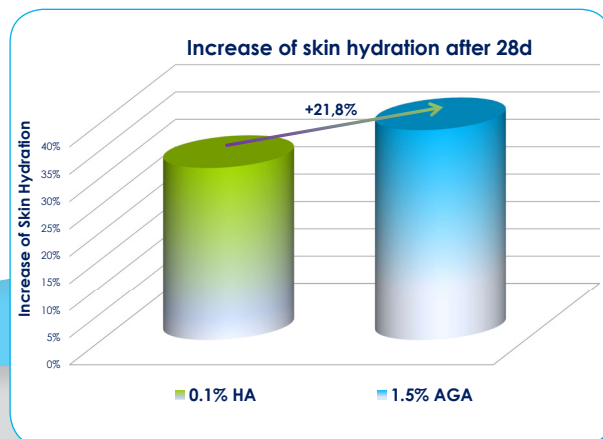
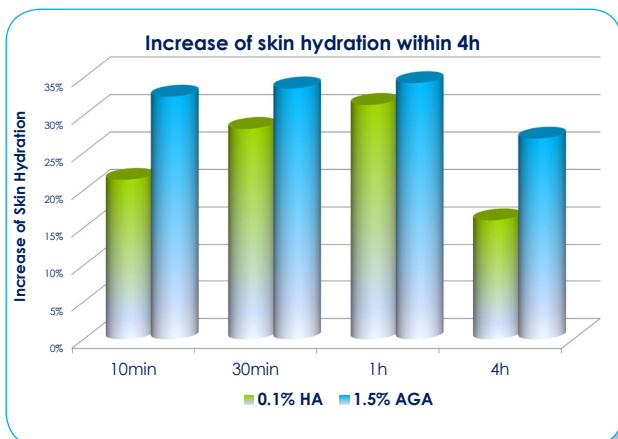
- Reduction of skin microbiota – Reduced protection
- Increased colonization of foreign species – Increased risk of skin problems



preBIULIN™ AGA as a super hydrating agent

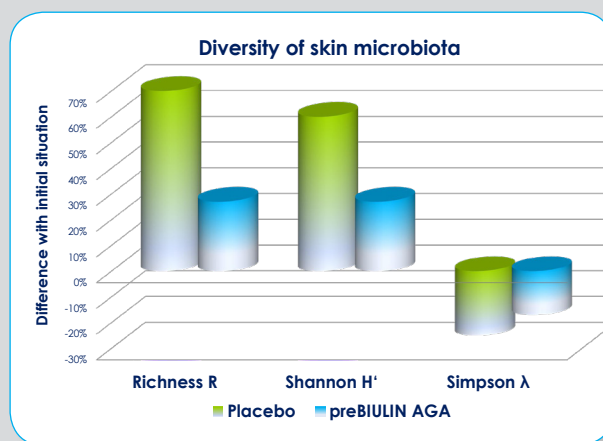
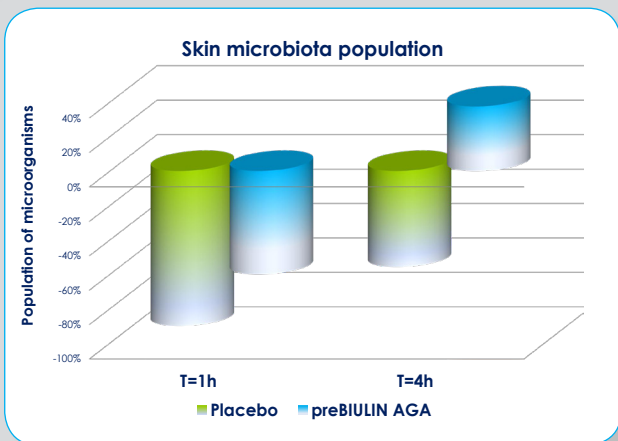
The hydration power has been compared to the champion of hydration: Hyaluronic acid. 1.6MDa hyaluronic acid at a concentration of 0.1% is an extremely well hydrating. It is quite a challenge to do better.

- PreBIULIN AGA starts to hydrate faster than Hyaluronic Acid
- PreBIULIN AGA hydrates better than Hyaluronic Acid
- PreBIULIN AGA hydrates longer than Hyaluronic Acid
- PreBIULIN AGA hydrates 24h



preBIULIN™ AGA as a counter preservative

A counter preservative reduces the damaging effect of preservatives on the skin. The counter preservative supports the skin microbiota in its survival in the mid of destructive preservatives left on the skin. This effect is quite underestimated. preBIULIN AGA is the first counter preservative with convincing results:



A cream containing preservatives weakens the population drastically. preBIULIN AGA supports the skin microbiota in the presence of the preservatives which are always used in cosmetics.

A cream containing preservatives results in a significant invasion of foreign microorganisms. This increases the risk to skin problems.

preBIULIN AGA avoids this massive invasion and thus reduces skin problems.

preBIULIN AGA preserves the health and beauty of the skin.

preBIULIN AGA protects and hydrates the skin through the skin microbiota.

The micro organisms produce a protective and hydrating biofilm, which is maintained with preBIULIN AGA.

preBIULIN™ AGA - TECHNICAL DATA

INCI	Inulin
DOSAGE	0,5 - 3%
ASPECT	Powder

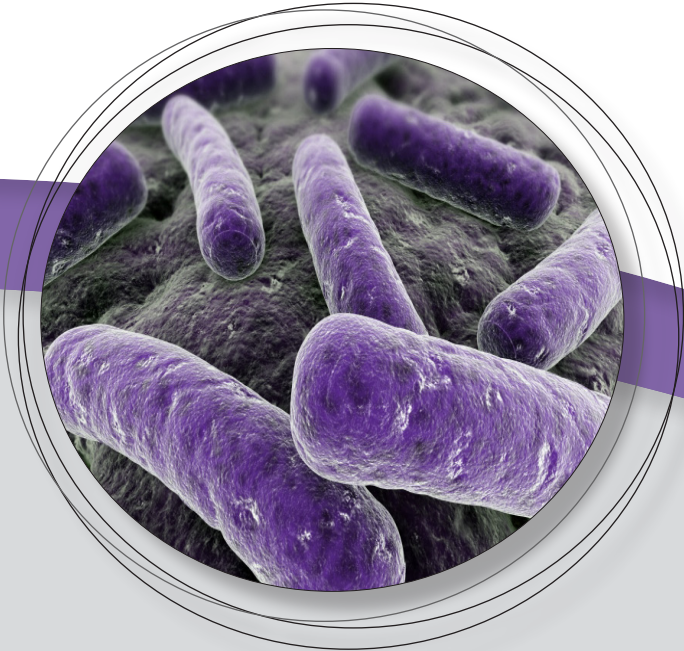


preBIULIN® FOS

Unlocking the Skin Microbiome Code!



Natural & Sustainable



Preserving the natural beauty of the skin. NEW APPROACH Improving body odor.

PreBIULIN® FOS is a polyfructose extracted from the chicory root (*Cichorium Intybus*) and sunroot (*Helianthus tuberosus* L.) enzymatically purified towards a chain length of 10 fructose units and higher.

PreBIULIN® FOS preserves the healthy look of the skin by balancing the human skin microbiota. It also balances the microorganism responsible for body odor.

Application

- Day and Night care
- Sensitive skin
- Elderly cosmetics
- Hygiene gels
- Nutri cosmetics
- Skin identical cosmetics
- Cosmeceuticals
- ...actually all cosmetics!!!



The Final Barrier

The main skin function is to build a protective barrier against the aggressive environment. The epidermis and more specifically the horny layer forms a shield that keeps out undesirable chemicals and bacteria.

Recent scientific research discovered that our barrier on its turn is protected by a far more impressive shield: a layer of microorganisms covering the epidermis. This layer outnumbers clearly the amount of skin cells. Each skin cell is guarded by a unit of at least 10 beneficial microorganisms: 90% of our skin is formed by this human skin flora.

This microbiotic film forms an impenetrable labyrinth for foreign/harmful microorganisms. The discovery of this final and most important barrier is a game changer. Skin imperfections and skin discomfort are actually caused by a disturbance of our protective microflora.

The new approach: Prebiotic Balancing Cosmetics

Being the first barrier, our skin microbiota is constantly attacked by the harsh environment. The delicate balance of our skin microbiota can be disturbed by pollution, excessive UV, domestic chemicals, aggressive cosmetics. Their only survival kit are dead corneocytes, sebum and oxidized skin lipids. Sometimes this is simply not enough to cope with the environment.

When this barrier weakens, our skin becomes sensitive, dry, infected, itchy and wrinkled: the skin ages.

A classic cosmetic approach does not take into account the needs of this crucial barrier. The solution to slow down skin aging and to keep the skin in a healthy shape is to energize and to protect this precious skin microbiota barrier.

preBIULIN® FOS is a scientifically proven prebiotic that makes our skin microbiota and our skin more resistant.

Protecting, reinforcing and balancing the human skin microbiota is an essential strategy in preserving our skin health and beauty.

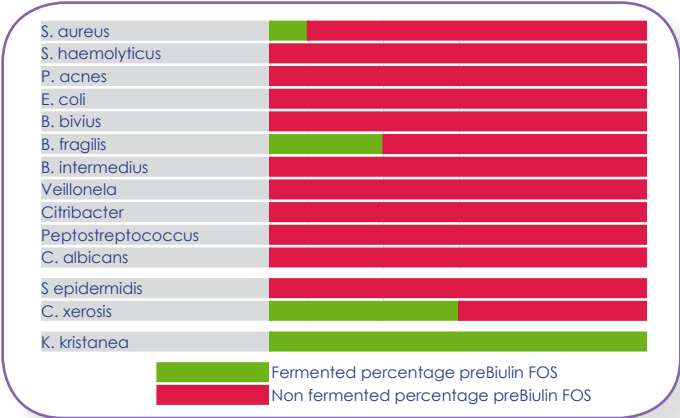
Skin Prebiotic

preBIULIN® FOS is a novel and scientifically tested skin prebiotic. A prebiotic is actually an selective food supplement for our protective and beneficial skin microbiota. Harmful microorganisms can not metabolize the prebiotic. Hence the natural skin flora is reinforced and balanced, while the harmful microorganisms are disadvantaged.

Fermentability test

The degree of metabolism of preBIULIN® FOS by a microorganism was measured by the decrease in pH after 96h in a basale media.

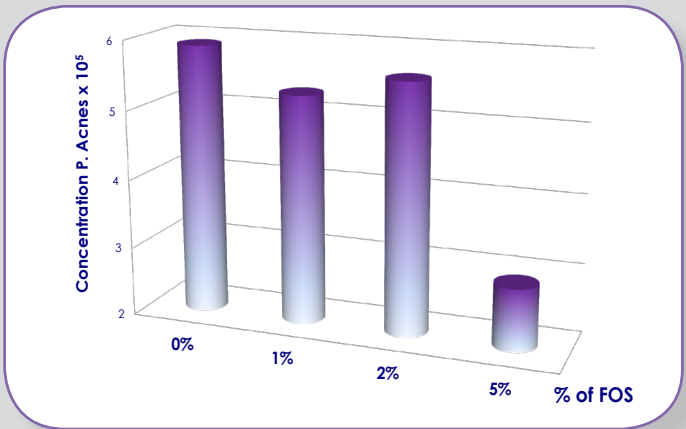
- preBIULIN® FOS does not support foreign and harmful microorganisms (red)
- preBIULIN® FOS is only fermented by the health skin microorganism (green).



Inhibition test *P. acnes*

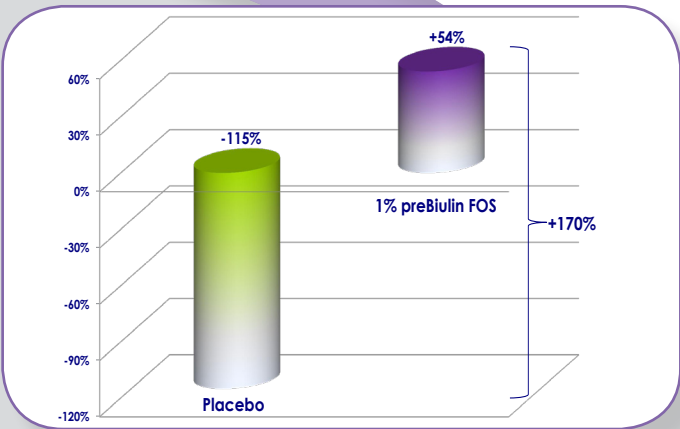
Propionibacterium acnes was incubated in anaerobic conditions for 24h in the presence of different concentrations of preBIULIN FOS™. The bacteria was quantified by DNA analysis through specific PCR conditions.

The initial population at T0 was $4,8 \times 10^5$.



Stabilizing effect after alcohol perturbation on skin microbiota

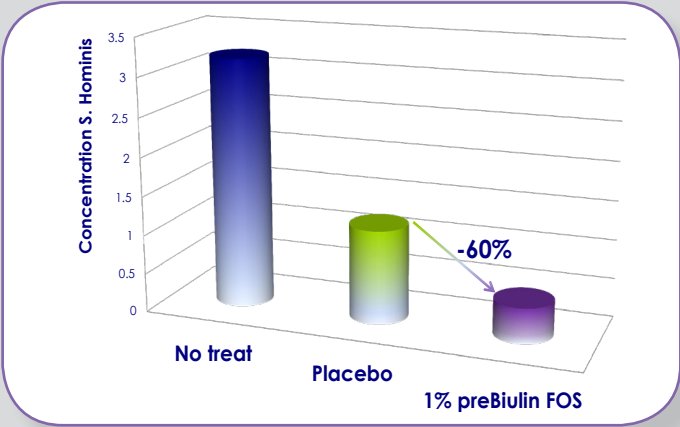
preBIULIN® FOS stabilizes the skin microbiota 170% more efficient after damaging the skin with ethanol within 4h. This has been demonstrated in vivo.

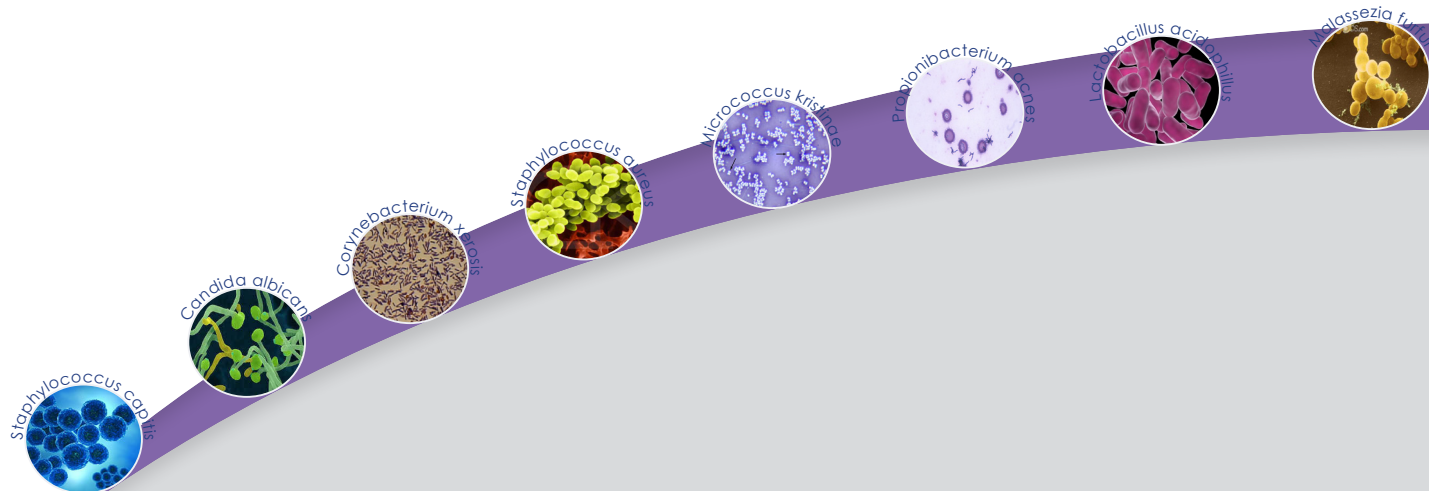


Stabilisation skin microbiota test (ex vivo)

The skin microbiota of skin explants were disturbed with a population of 10^3 *S. Hominis*. The bacteria were analysed based on the DNA analysis by PCR of ribosomal 16S amplification reactions after 76h. The skin was treated as follow:

No Treat	Disturbed with <i>S. Hominis</i>
1% pBF	Disturbed with <i>S. Hominis</i> and treated with a gel containing 40% ethanol + 1% preBIULIN® FOS
Placebo	Disturbed with <i>S. Hominis</i> and treated with a gel containing 40% ethanol





Ideas for Claims

- Preserves the natural beauty of the skin.
- (Re)Balances the sensitive and delicate skin.
- Combats body odor
- Nourishes the skin barrier
- Improved hygienic cleanser
- Prebiotic hygiene

preBIULIN® FOS - TECHNICAL DATA

INCI	Inulin, Fructose
DOSAGE	1 - 2%
ASPECT	Powder



REMYTEC F series



A Beneficial Natural Rice Starch!



Natural & Sustainable



REMYTEC FI is a native rice starch that has been obtained by a unique purification and milling process. The particle size is extremely small and can be considered as one of the smallest in the Personal Care industry. Thanks to this micro-particle REMYTEC FI is able to combine the hardness of rice with an ultra soft skin feel.

- Hard and Soft in one product
- Micro hard spheres for gentle cleansing
- Scientifically proven

REMYTEC F-I - APPLICATIONS

- Bath powder
- Baby powder
- Cleansing masks
- Greasy skin solution
- Replacement for Kaolin
- Make up powder
- Foot care



REMYTEC F-I - works as the perfect skin cleaner...

Micro Dermo Abrasive Action

The small hard rice starch particles have a perfect round shape. These round spheres scrub and clean the skin in the most gentle way possible. Only dirt, sebum and dead skin cells are removed. Unlike surfactants, REMYTEC FI does not remove the protective skin lipids. REMYTEC FI cleans the skin, but respects the skin barrier

The effect has been scientifically proven:

De Paepe K., Hachem J.P., Vanpee E., Roseeuw D. and Rogiers V. (2002)

Effects of rice starch as a bath additive on the barrier function of healthy, but SLS-damaged skin and skin of atopic patients.

Acta Dermato-Venereologica 82, 184-186.

Micro Vacuum Cleaner Effect

Because of it's extremely small particle size, REMYTEC FI has a unique large surface which vacuums sebum, sweat and microorganism away from the skin. This efficient cleaning action is performed without disturbing the skin barrier and without stimulating the sebum glands.

REMYTEC F-I - FORMULATIONS

Prebiotic Bath Powder - PBP-121114-A

Phase	Ingredient	INCI	Function	%
A	Remytec F-I	Oryza Sativa Starch	Starch	93
	Biolin/P	Inulin, Alpha-Glucan Oligosaccharide	Prebiotic powder	5
	Perfume	Parfum	Perfume	QS

REMYTEC F-I - TECHNICAL DATA

INCI	Oryza Sativa Starch
CTFA	Oryza Sativa (Rice) Starch
ASPECT	Bright white powder
SMELL	Odourless

Face Mask - FMGR-130327-B-REM

Phase	Ingredient	INCI	Function	%
A	Water	Aqua	-	QS
	Euxyl PE9010	Phenoxyethanol, Ethylhexylglycerin	Preservative	QS
	Glycerine	Glycerin	Humectant	3.4
	Keltrol T	Xanthan Gum	Stabilizer	0.5
	Fucocert	Aqua, Glycerin, Biosaccharide Gum-1	Skin Feel	4
	Corn PO4 PH B	Distarch Phosphate	Starch	4
	Inutec SL1	Glycerin, Inulin Lauryl Carbamate	Emulsifier	0.8
B	Miglyol 812	Caprylic/Capric Triglyceride	Emollient	8
	Stearic Acid	Stearic Acid	Stabilizer	4
	Neoderm IL	Isoamyl Laurate	Natural oil	2
	Cutina GMS SE	Glyceryl Stearate SE	Emulsifier	5
C	Remytec FI	Oryza Sativa Starch	Starch	10
	Ethanol	Alcohol Denat.	Solvent	2



REMYTEC S



Exfoliation in balance with Your skin and with Nature!



Natural & Sustainable

Remytec S is a powder obtained by milling the rice grains. The obtained rice particles are white to off white and have a hard texture. It is one of the most effective beauty exfoliators. The particles are hard enough to remove the outer dead skin cells and impurities. The rice particles are mild to the skin and offer a great comfort during application. REMYTEC S leaves the skin bright, soft and fresh.

This rice exfoliator is very stable in personal care formulations. It does not affect viscosity, smell, color nor stability of the product. It is fully biodegradable.

- Vegetable exfoliation
- Nutricosmetic concept
- Low cost
- Easy to incorporate
- Biodegradable
- Excellent replacement for PE-scrub



RICE - THE STORY

For more than 4.500 years rice has been a source of food. The consumption of rice started around China, Sri Lanka and India. It finds its healthy way to Japan and was later exported to Greece, Italy and Spain. Finally, rice reached Europe and the new world: America. Rice is truly an universal ingredient and nowadays is used all over the world in traditional cooking.

Rice has always been associated with healthy diet, lifestyle and it is often described as a balanced food ingredient. Indeed rice is a beneficial source of vitamin B and essential amino acids. Finally rice and rice derivatives were introduced in personal care.

Rice scrubs have been used for centuries by Japanese geishas to obtain a porcelain appearance without any imperfections.

Because of its beneficial universal application both in food and cosmetics, rice is the symbol of fertility and actually simplicity of life.

REMYTEC S - APPLICATIONS

- Facial Scrub
- Body scrub
- Foot scrub

REMYTEC S - Can be incorporated into:

- Showergels
- Creams, Lotions
- Gels
- Oils
- Oil gels
- Powder

REMYTEC S - FORMULATIONS

Geisha Rice Scrub - RFL-AVH-131008-R7-500-5

Phase	Ingredient	INCI	Function	%
A	Water	Aqua	-	QS
	Euxyl K100	Aqua, Benzyl Alcohol, Methylchloroisothiazolinone, Methylisothiazolinone	Preservative	QS
	Glycerine	Glycerin	Humectant	2
	Edeta BD	Disodium EDTA	Chelating agent	0.1
	Rheosol AVH	Sodium Polyacrylate, Ethylhexyl Stearate, Trideceth-6	Thickener	3
B	Miglyol 812	Caprylic/Capric Triglyceride	Emollient	10
	Phyto Vie Defense	Brassica Campestris/Aleurites Fordi Oil Copolymer	Film former	0.5
	Crodamol PTC	Pentaerythrityl Tetraoctylate/Tetradecylate	Emollient	1
	Paraffinum Liquidum	Paraffinum Liquidum	Emollient	1
	Perfume	Parfum	Perfume	QS
C	Remytec S-750	Oryza Sativa Germ Powder	Starch	10
	Colourant	-	Colourant	QS

REMYTEC S - TECHNICAL DATA

INCI	Oryza Sativa Germ Powder
CTFA	Oryza Sativa (Rice) Germ Powder
ASPECT	White/Beige powder
SMELL	Odourless
PARTICLE SIZES	
S-750	>500 µm - max. 5%
	>300 µm - 15-60%
	<150 µm - max. 30%
S750 100-300 µm	100-300 µm > 99%
S750 300-750 µm	300-750 µm > 99%



TOSOLIN

The Kiss of The Sun!



Natural & Sustainable



Obtaining a nice golden brown tan is quite a challenge, because we also need to protect our skin. The protection with sunscreens slows down the tanning process. The dilemma we have to solve is:

To choose for the healthy option:

More protection with sunscreens => Less Risk of long term skin problems => Less tanned skin

To choose for the beauty option:

Less protection with sunscreens => More risk of long term skin problems => More tanned skin

TOSOLIN - NO DILEMMA

- **Feel protected**
- **Enjoy intensive tan faster and longer**

TOSOLIN - APPLICATIONS

- Presun
- Sun protection
- Night cream
- Summer day cream for intensive tanning and protection
- Winter day cream for keeping a nice tan
- Every day cream for a sun protection and a nice tan the whole year around
- Sport cosmetics
- Anti aging sun protection



TOSOLIN: Total Sun Protection

Tosolin regulates 2 important cells in the epidermis involved in sun tanning/protection:

1. Direct regulation of the Langerhans cells, responsible for the natural UV protection

=> Protection of the skin through antioxidants

=> Reduction UV-induced redness

=> Protection against DNA-damage

=> Protection collagen

=> Less wrinkle formation

2. Indirect regulation of melanocytes, responsible for the skin tan

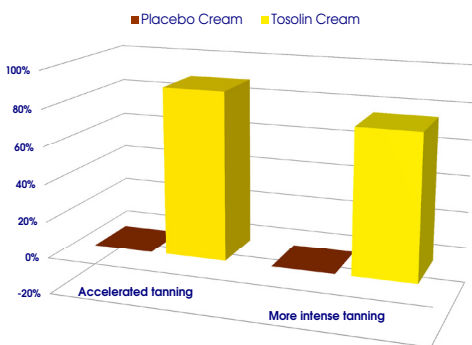
=> Through an increased production of α -MSH and ET-1 in skin cells. α -MSH and ET-1 regulate the melanocytes to produce the skin pigment: melanin

=> More pigmentation for a better natural sun protection

=> More pigmentation for a more attractive tan

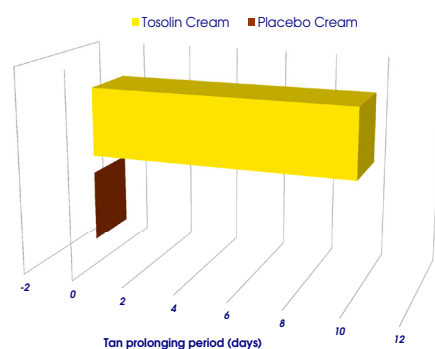
TOSOLIN - DEMONSTRATION OF ACTIVITY

In-Vivo - Acceleration and Intensifying of Tanning 0.06% TOSOLIN P against placebo - 3 years study



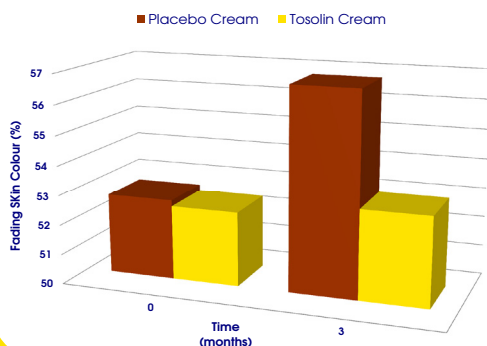
Tosolin/P accelerates the process of tanning, leading also to a more intense tan

In-Vivo - Tanning prolonging 0.06% TOSOLIN/P against placebo - 3 years study



The tan is prolonged with an average of 10 days

In-Vivo - Skin colour stabilization 0.01% TOSOLIN/P against placebo - 3 months study



Tosolin/P maintains the skin colour



60h sun exposure placebo against 0.06% TOSOLIN P

TOSOLIN - TECHNICAL DATA

	TOSOLIN	TOSOLIN/P
INCI	Aqua Mannose Glucose Beta-glucan Sodium hyaluronate	Mannose Glucose Beta-glucan Sodium hyaluronate
DOSAGE	0.4 - 5%	0.01 - 0.60%
ASPECT	Viscous Liquid	Powder

