

# Beauty Care

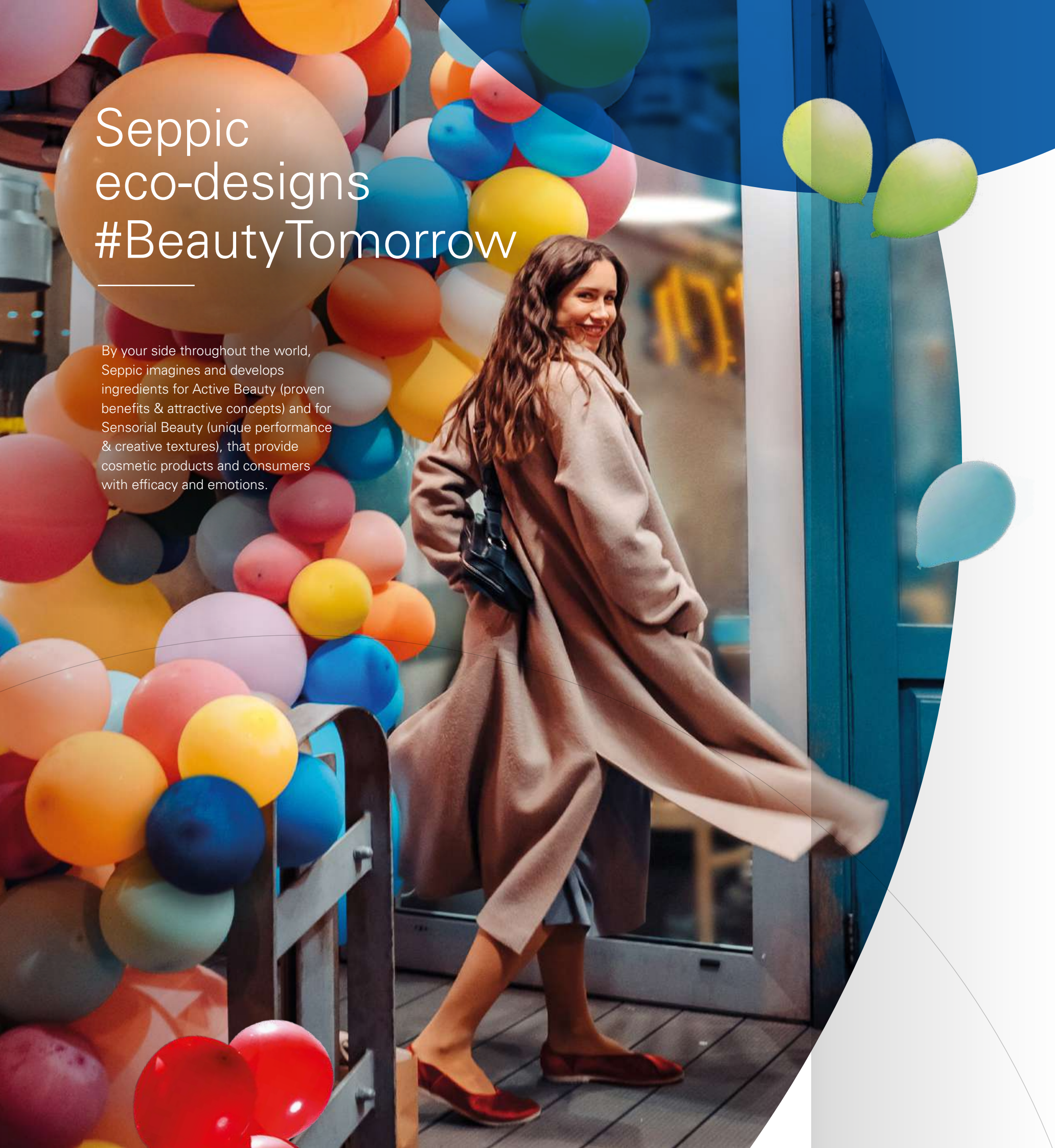
Ingredient Book



**SEPPIC**

Ingredients that inspire





# Seppic eco-designs #BeautyTomorrow

By your side throughout the world, Seppic imagines and develops ingredients for Active Beauty (proven benefits & attractive concepts) and for Sensorial Beauty (unique performance & creative textures), that provide cosmetic products and consumers with efficacy and emotions.

## Content

### *Active Beauty*

#### Active Ingredients ..... 2

##### *Skin Care solutions* ..... 4

Anti-aging	6
Daily defense	11
Skin complexion	16
Skin balance	19
Moisturization	22
Skin relief	24
Body specifics	27
Marine extracts & Algae cellular waters	29

##### *Hair Care solutions* ..... 35

Hair & Scalp care	31
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### *Sensorial Beauty*

#### Polymeric Thickeners & Stabilizers ..... 36

Natural Origin polymers	38
Hybrid polymers	39
Classic polymers	40

#### Emulsifiers ..... 44

Natural O/W emulsifiers	46
Natural W/O emulsifiers	48
Classical W/O & O/W emulsifiers	49

#### Sensory Ingredients ..... 52

Liquid emollients	54
Waxes	57
Powders	58

#### Functional Additives ..... 60

Foaming & solubilizing agents	62
Marine scrubs	65
Preservatives & boosters	66

##### *Skin biology* ..... 14

##### *Hair biology* ..... 30

### *Tables*

##### *A-Z Index* ..... 67

##### *Abbreviation list* ..... 72

##### *Legend of pictograms* ..... 73



# ACTIVE INGREDIENTS

*Active science  
to empower beauty*

With respect & great appetite for discovery, we relentlessly search and learn from botanicals, marine life & plant chemistry. This way, we open every new horizon for performing actives & vibrant stories.

<i>Skin Care solutions</i>	4
<b>ANTI-AGING</b>	6
Firmness & Wrinkles / Plumping / Skin remodeling / Energizing	
<b>DAILY DEFENSE</b>	11
Anti-oxidant / Detoxifying & Anti-pollution / Photo-aging, Blue light & IR protection	
<b>SKIN COMPLEXION</b>	16
Lightening / Radiance / Healthy Skin / Tanning / Dark circles	
<b>SKIN BALANCE</b>	19
Purifying / Deodorant / Oil control / Acne prone skin & Maskne / Skin & Microbiota homeostasis / Pore minimizer	
<b>MOISTURIZATION</b>	22
Hydration / Skin barrier	
<b>SKIN RELIEF</b>	24
Skin repair & Integrity / Soothing: Redness & Reactivity / Mood enhancer	
<b>BODY SPECIFICS</b>	27
Firming & Stretchmark control / Plumping / Slimming	
<b>MARINE EXTRACTS &amp; ALGAE CELLULAR WATERS</b>	29
.....	
<i>Hair Care solutions</i>	35
<b>HAIR &amp; SCALP CARE</b>	31
Hair fiber / Scalp care	
.....	
<i>Skin biology</i>	14
<i>Hair biology</i>	30
<b>A-Z Index</b>	67



# Skin Care solutions

## *Firmness & Wrinkles*

AMBIATY EXTRACT	p.6
AMBRE OCEANE™ 2C	p.6
ANTILEUKINE 6™	p.6
ASPAR'AGE™	p.6
BIOPLASMA™ FA	p.6

CELTOSOME™	p.7
CRITHMUM MARITIMUM	
CELTOSOME™	p.7
ERYNGIUM MARITIMUM	
EPHEMER™	p.7

HETEROSIDES	p.7
JUVENESSENCE™	p.7
SEPIlift™ DPHP	p.7
THALASSINE 2™	p.8
TIMECODE™	p.8
VOLUFORM™	p.8

## *Plumping*

AMBRE OCEANE™ 2C	p.8
SEA LAVENDER SC	p.8
SEPIlift™ DPHP	p.8
VOLUFORM™	p.9

## ANTI-AGING

### *Energizing*

BIOPLASMA™ BG	p.9
GULF STREAM SEA WATER™	p.9
SEPITONIC™ M3.0	p.10

## *Skin remodeling*

CELTOSOME™	p.9
CRITHMUM MARITIMUM	
TECA	p.9

## *Skin repair & Integrity*

CELTOSOME™	p.24
CRITHMUM MARITIMUM	
TECA	p.24

## *Mood enhancer*

CERAMOSIDES™ HP	p.25
SEPIBLISS™ FEEL	p.26
SEPICALM™ SWP	p.26

## SKIN RELIEF

### *Soothing: Redness & Reactivity*

ANTILEUKINE 6™	p.24
EMBELIA EXTRACT	p.24
MADECASSOSIDE	p.24
ROSABORA™	p.25
SEA MAYWEED SC	p.25
SEA STARWORT OIL	p.25
SEPICALM™ SWP	p.25

## *Healthy skin*

CERAMOSIDES™ HP	p.18
TALADVANCE™	p.18

### *Radiance*

CELTOSOME™	p.17
CRITHMUM MARITIMUM	
NATIVE ESSENCE™	p.17
SAKADIKIUM™	p.17
TALADVANCE™	p.17
TIMECODE™	p.17

## SKIN COMPLEXION

### *Lightening*

CELTOSOME™	p.16
CRITHMUM MARITIMUM	
SEASHINE™	p.16
SEPICALM™ VG WP	p.16
SEPIWHITE™ MSH	p.16
SEPIWHITE™ MSH QD	p.16

### *Tanning*

LUMIPOD™	p.18
ADIPOLESS™ ECO	p.18

### *Dark circles*

## *Anti-oxidant*

EPHEMER™	p.11
SEPIlift™ DPHP	p.11
SEPITONIC™ M3.0	p.11
TECA	p.11

## *Detoxifying & Anti-pollution*

BIOPLASMA™ FA	p.11	OLIGOGELINE™ PF	p.12
CONTACTICEL™	p.12	SAKADIKIUM™	p.12
JUVENESSENCE™	p.12	SEPITONIC™ M3.0	p.12
NATIVE ESSENCE™	p.12	VOLUFORM™	p.13

## DAILY DEFENSE

### *Photo-aging, Blue light & IR protection*

ANTILEUKINE 6™	p.13	PHYCOCORAIL™	p.13
BLUE SEAKALE SC	p.13	SAKADIKIUM™	p.13
JUVENESSENCE™	p.13	SEA LAVENDER SC	p.13

## *Skin barrier*

AQUAXYL™	p.23
CERAMOSIDES™ HP	p.23

## MOISTURIZATION

### *Hydration*

AQUAXYL™	p.22	CODIAVELANE™ BG PF	p.22
BIOPLASMA™ BG	p.22	HYDRACHRYSUM™	p.22
		OLIGOGELINE™ PF	p.22
		SEPICALM™ SWP	p.23

### *Plumping*

VOLUFORM™	p.27
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### *Slimming*

ADIPOLESS™ ECO	p.28
ADIPOSLIM™	p.28

## BODY SPECIFICS

### *Firming & Stretchmark control*

KALPARIANE™	p.27	SEPIlift™ DPHP	p.27
SCULPTOSANE™	p.27	TECA	p.27

### *Skin & Microbiota homeostasis*

EQUIBIOME™	p.20	SUBLIGANA™	p.21
FLUIDIPURE™ 8G	p.20	TALADVANCE™	p.21

## SKIN BALANCE

### *Oil control*

SEPICONTROL™ A5	p.19
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### *Purifying*

CONTACTICEL™	p.19
FLUIDIPURE™ 8G	p.19
LIPACIDE™ C8G	p.19

### *Acne prone skin & Maskne*

LIPACIDE™ C8G	p.20	SUBLIGANA™	p.20
SEPICONTROL™ A5	p.20		

### *Deodorant*

LIPACIDE™ UG	p.19
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### *Pore minimizer*

CERAMOSIDES™ HP	p.21
SUBLIGANA™	p.21



# Anti-aging

## Firmness & Wrinkles

### AMBIATY EXTRACT

Aqua/Water - Glycerin -  
Vernonia Appendiculata Leaf Extract



*Anti-aging care sourced from a malagasy endemic plant*

#### Mode of action

- DEJ structuration: Collagen IV (ex-vivo: +24%), anchoring systems activation (Cytokeratin 14, Nidogen, Laminin-5, Integrin)
- Dermis activation: GAGs: +91.6% *ex-vivo*
- Dermis protection: MMP1 (-22%), ROS protection (+92%)
- Reduction of glycation (-37%)

#### Nature

Titrated leaf extract of Ambiaty

**Form:** liquid  
**Use level:** 0.5 to 1%  
**Preservative free**



### AMBRE OCEANE™ 2C

Aqua/Water - Pelvetia Canaliculata Extract



*Mature skin expert*

#### Benefits on volunteers

- Total surface area of wrinkles: -16%
- Number of wrinkles: -15%
- Average depth wrinkles: -5%

#### Mode of action

- Anti-MMP3: -32%

#### Nature

Sea amber

**Solubility:** water soluble  
**Form:** liquid  
**Use level:** 1%

*Other version available:*  
 **AMBRE OCEANE™ SPE**  
is QD Additive

### ANTILEUKINE 6™

Caprylic/Capric Triglyceride -  
Laminaria Ochroleuca Extract



*Global anti-aging & defense shield*

#### Benefits on volunteers

- Wrinkle depth: -9% after 2 months
- Firmness: self evaluation
- *In vivo*: rapid soothing effect after 24h

#### Mode of action

- Collagen: +30%
- GAG: +30%

#### Nature

Golden seaweed

**Solubility:** liposoluble  
**Form:** liquid  
**Use level:** 2%  
**Preservative free**

### ASPAR'AGE™

Aqua/Water - Propanediol\* -  
Asparagopsis Armata Extract



\*Plant-based & Renewable

*A new healthy aging approach*

#### Benefits on volunteers

- -13% of wrinkles volume at D28, vs D0
- Skin is perceived younger by people

#### Mode of action

- Regulating contagious aging

#### Nature

An extract of *Asparagopsis armata*, a seaweed that contains Mycosporine-like amino acids (MAA)

**Solubility:** water soluble  
**Form:** liquid  
**Use level:** 1%  
**Preservative free**

### BIOPLASMA™ FA

Aqua/Water - Butylene Glycol\* -  
Plankton Extract\*\* - Arginine Ferulate



\*Plant-based & Renewable / \*\*Plankton Origin:  
(species) *Scenedesmus Obliquus*

*Combine desert & ocean strengths*

#### Benefits on volunteers

- -15% wrinkles depth at D28, vs D0

#### Nature

Desert microalgae

**Solubility:** water soluble  
**Form:** liquid  
**Use level:** 1%  
**Preservative free**

### CELTOsome™ CRITHMUM MARITIMUM

Crithmum Maritimum Callus Culture Filtrate



*Rejuvenation from biotechnologies*

#### Benefits on volunteers

- Clinical signs improved: +39% for wrinkles signs, +41% for tonicity vs T0 (10 months treatment) - specifically for concerned women
- Better hydration after 2 hours vs placebo

#### Mode of action

- Collagen synthesis

#### Nature

Plant cells from sea fennel

**Solubility:** dispersible  
**Form:** powder  
**Use level:** 0.1 to 0.2%  
**Preservative free**

### CELTOsome™ ERYNGIUM MARITIMUM

Eryngium Maritimum Callus Culture Filtrate



*Full skin renewal from biotechnologies*

#### Benefits on volunteers

- +27% firmness by self evaluation

#### Mode of action

- Better structure of dermo-epidermic junction, dermis & epidermis: +15% collagen, +16% GAG
- Cell proliferation in epidermis: +19% mitotic index

#### Nature

Plant cells from sea holly

**Solubility:** dispersible  
**Form:** powder  
**Use level:** 0.05%  
**Preservative free**

### EPHEMER™

Caprylic/Capric Triglyceride -  
Undaria Pinnatifida Extract



*Ephemeral algae cells for anti-aging*

#### Benefits on volunteers

- Reinforces the anti-oxidant capacity of the skin vs placebo

#### Mode of action

- Mitochondrial DNA protection: +63% aconitase
- Protects cells from free radicals: +19% catalase

#### Nature

Ephemeral cells in the lifecycle of macroalgae

**Solubility:** liposoluble  
**Form:** liquid  
**Use level:** 1%  
**Preservative free**

### HETEROSIDES

Centella Asiatica Leaf Extract



*Reinforces mature skin with multi-target approach*

#### Benefits on volunteers

- Anti-wrinkle effect: -19% vs placebo (D56)
- TEWL reduction: -8% vs placebo (D28)
- Smoothing effect: -36% vs placebo (D28)

#### Mode of action

- Reinforces the "mortar" (Ceramides-2: +44%)
- Strengthen the "brick" envelop (Involucrin, Loricrin, Filaggrin)
- Boost cell cohesion (tight junctions)
- Moisturizes (AQP3: +29%) & soothes (PGE-2, IL-8, IL-1α)

#### Nature

Highly pure heterosides from *Centella*

**Solubility:** water soluble  
**Form:** powder  
**Use level:** 0.2%  
**Preservative free**

### JUVENESSENCE™

Caprylic/Capric Triglyceride -  
Alaria Esculenta Extract



*Reverse aging effect*

#### Benefits on volunteers

- After 1 month cutometer:
- Elasticity: +20%
- Firmness: +25%
- Self evaluation: improves firmness: 90%
- Decreases the depth of wrinkles: 80% of volunteers

#### Mode of action

- Downregulates progerin for mature skin: -79%

#### Nature

The Arctic winged kelp

**Solubility:** liposoluble  
**Form:** liquid  
**Use level:** 1%  
**Preservative free**

### SEPIlift™ DPHP

Dipalmitoyl Hydroxyproline



*The weapon against aging*

#### Benefits on volunteers

- Total wrinkle surface: -32% after 42 days vs lipopeptide

#### Mode of action

- Stimulates collagen fiber contraction
- Protects dermal supporting tissue (protection of elastin, anti-MMPs action, pro-TIMPs)

#### Nature

Hydroxyproline lipoaminoacids

**Solubility:** amphiphilic  
**Form:** powder  
**Use level:** 1%  
**Preservative free**



## Firmness &amp; Wrinkles

## THALASSINE 2™

Aqua/Water - Tripleurospermum Maritimum Extract



## Skin myorelaxant

## Mode of action

- Reduces muscle contractions
- Protects skin against free radicals
- Stimulates GAG & collagen production

## Nature

Sea chamomile

**Solubility:** water soluble  
**Form:** liquid  
**Use level:** 1%  
**Preservative:** sorbic acid



## TIMECODE™

Palmitoyl Glycine



## Neutralize inflamm'aging &amp; gain up to 15 years of firmness

## Benefits on volunteers

- Reduces visible wrinkles on 78% of volunteers
- -35% deep wrinkles after 42 days vs lipopeptide

## Mode of action

- Targets the key aging markers (IL6, Tenacin C, Dermato pontin & MMP1)
- Plays the role of dermis architect

## Nature

PAL GLY, the bliss molecule

**Solubility:** amphiphilic  
**Form:** powder  
**Use level:** 1%  
**Preservative free**

## VOLUFORM™

Palmitoyl Isoleucine



## Volufirming technology

## Benefits on volunteers

- Deep wrinkles: -39% after 42 days vs lipopeptide

## Mode of action

- Firming effect (reinforced dermal matrix): increase of contractile forces of fibroblasts: +94% after 48 hours
- Increases the dynamic interactions between fibroblasts & the dermal matrix: reorganization of dermis in only 2 hours

## Nature

Isoleucine lipoaminoacids

**Solubility:** amphiphilic  
**Form:** powder  
**Use level:** 1%  
**Preservative free**

## Plumping

## AMBRE OCEANE™ 2C

Aqua/Water - Pelvetia Canaliculata Extract



## Collagen-like algae

## Mode of action

- GAG: +19%
- Hyaluronic acid: +26%
- Collagen III: +18%

## Nature

Sea amber

**Solubility:** water soluble  
**Form:** liquid  
**Use level:** 1%

Other version available:

**QD** AMBRE OCEANE™ SPE  
 is QD Additive



## SEA LAVENDER SC

Caprylic/Capric Triglyceride -  
Limonium Gerberi Extract

## Replump dermis due to cell communication

## Benefits on volunteers

- Moisturizing effect vs placebo from 2 to 24 hours: +30%

## Mode of action

- +31% collagen IV
- +21% collagen VII
- +31% GAG, +27% hyaluronic acid
- Activates connexin 43 for cell communication

## Nature

Immortal blue

**Solubility:** liposoluble  
**Form:** liquid  
**Use level:** 1%  
**Preservative free**

## SEPILIFT™ DPHP

Dipalmitoyl Hydroxyproline



## Plump up lips, glamour effect guaranteed!

## Benefits on volunteers

- Ideally moisturized & restructured, the lips are more plumped (after only 15 days)
- Clear improvement of moisturizing & restructuring of the lips

## Nature

Hydroxyproline lipoaminoacids

**Solubility:** amphiphilic  
**Form:** powder  
**Use level:** 1%  
**Preservative free**

## VOLUFORM™

Palmitoyl Isoleucine



## Natural alternative to lipofilling for the face

## Benefits on volunteers

- After 56 days, the cheeks are plumped in 83% of volunteers (the fat cell stock is preserved)
- The face is re-sculpted & the skin becomes plump again (+10% firmness)

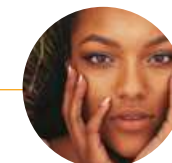
## Mode of action

- VOLUfilling technology: stimulates the good fat & increases the volume of functional adipocytes

## Nature

Isoleucine lipoaminoacids

**Solubility:** amphiphilic  
**Form:** powder  
**Use level:** 1%  
**Preservative free**



## Skin remodeling

CELTOSOME™  
CRITHMUM MARITIMUM

Crithmum Maritimum Callus Culture Filtrate



## Rejuvenation from biotechnologies

## Benefits on volunteers

- Clinical signs improved: +39% for wrinkles signs, +41% for tonicity vs T0 (10 months treatment) - specifically for concerned women
- Better hydration after 2 hours vs placebo

## Mode of action

- Collagen synthesis

## Nature

Plant cells from sea fennel

**Solubility:** dispersible  
**Form:** powder  
**Use level:** 0.1 to 0.2%  
**Preservative free**

## TECA

Asiaticoside - Madecassic Acid - Asiatic Acid



## Quicker reparation of impaired skin

## Benefits on volunteers

- In the dermis,
- at D1 vs D0, the loss of density is significantly lower with TECA vs placebo
- at D14, full recovery with TECA

## Mode of action

- Anti-oxidant -68%
- ECM protection (MMP-1 & 9 up to -63%)
- Dermis boosting (fibroblast migration: +61%; α-Smooth Muscle Actin protein: +50%)

## Nature

Titrated extract of *Centella asiatica* (TECA ≥ 95%)

**Form:** powder  
**Use level:** 0.2%  
**Preservative free**

## Energizing

## BIOPLASMA™ BG

Aqua/Water - Butylene Glycol\* - Plankton Extract\*\*



\*Plant-based & Renewable / \*\*Plankton Origin:  
 (species) *Scenedesmus Obliquus*

## Desert microalgae for cell energy

## Mode of action

- ATP: +27%
- ATP after ozone stress: +39%
- ATP after H<sub>2</sub>O<sub>2</sub> stress: +45%

## Nature

Desert microalgae

**Solubility:** water soluble  
**Form:** liquid  
**Use level:** 1%



## GULF STREAM SEA WATER™

Sea Salt



## 30x more concentrated in minerals than sea water

## Benefits

- Optimizes cell functions

## Nature

Sea powder

**Solubility:** water soluble  
**Form:** powder  
**Use level:** 2%



## Energizing

### SEPITONIC™ M3.0

Magnesium Aspartate - Zinc Gluconate - Copper Gluconate



#### A breath of oxygen & efficacy

##### Mode of action

- Optimization of cellular respiration which chronologically stimulates the synthesis of energy (ATP) & metabolic (DNA- proteins) mediators
- Active ingredient booster

##### Nature

Mineral-based cell fuel (zinc, copper, magnesium)

**Solubility:** water soluble

**Form:** liquid

**Use level:** 1%

**Preservative free**



## Daily defense

### Anti-oxidant

### EPHEMER™

Caprylic/Capric Triglyceride - Undaria Pinnatifida Extract



#### Protect the genes of Eve

##### Benefits on volunteers

- Clinic anti-oxidant vs placebo (after day 28)
- Clinic anti-oxidant: +15% vs D0

##### Mode of action

- Immediate (-100% vs control) & long lasting (-36% vs control) anti-oxidant, protecting the mitochondria
- More efficient than a seaweed extract

##### Nature

Ephemeral cells in the lifecycle of macroalgae

**Solubility:** liposoluble

**Form:** liquid

**Use level:** 1%

**Preservative free**



### SEPIlift™ DPHP

Dipalmitoyl Hydroxyproline



#### Natural anti-aging defense for younger looking skin

##### Mode of action

- Neutralizes excess free primary radicals

##### Nature

Hydroxyproline lipoaminoacids

**Solubility:** amphiphilic

**Form:** powder

**Use level:** 1%

**Preservative free**

### SEPITONIC™ M3.0

Magnesium Aspartate - Zinc Gluconate - Copper Gluconate



#### A breath of fresh air to de-stresses the skin

##### Mode of action

- >80% protection against primary free radicals

##### Nature

Mineral-based cell fuel (zinc, copper, magnesium)

**Solubility:** water soluble

**Form:** liquid

**Use level:** 1%

**Preservative free**

### TECA

Asiaticoside - Madecassic Acid - Asiatic Acid



#### Faster reparation of impaired skin

##### Benefits on volunteers

- In the dermis:
- At D1 vs D0, the loss of density is significantly lower with TECA vs placebo
- At D14, full recovery with TECA

##### Mode of action

- Anti-oxidant -68%
- ECM protection (MMP-1 & 9 up to -63%)
- Dermis boosting (fibroblast migration: +61%; α-Smooth Muscle Actin protein: +50%)

##### Nature

Titrated extract of *Centella asiatica* (TECA ≥ 95%)

**Form:** powder

**Use level:** 0.2%

**Preservative free**

### Detoxifying & Anti-pollution

### BIOPLASMA™ FA

Aqua/Water - Butylene Glycol\* - Plankton Extract\*\*- Arginine Ferulate



\*Plant-based & Renewable / \*\*Plankton Origin: (species) *Scenedesmus Obliquus*

#### Cell detoxification & communication

##### Mode of action

- Proteasome stimulation for mature skin:
- Proteasome 20S: +64%
- Proteasome 26S: +45%
- Complex proteasome PA28: +46%

##### Nature

Desert microalgae

**Solubility:** water soluble

**Form:** liquid

**Use level:** 1%

**Preservative free**





## Detoxifying & Anti-pollution

### CONTACTICEL™

Aqua/Water - Butylene Glycol\* -  
Hydrolyzed Rhodophyceae Extract



\*Plant-based & Renewable

#### Regulation of oily skin exposed to pollution

##### Benefits on volunteers

- Reduces the ozonolyzed squalene, as a protection of the skin against pollution

##### Mode of action

- Regulation of lipids (-17%) in polluted cells by urban dust
- Protection from the effects of heavy metals (cell proteins, cell DNA), regulates inflammatory mediators (IL-8 :-18%, IL-1: -49%)
- Protective effects of the immunity against urban dust: protection of langerhans cells by reducing inflammation

##### Nature

Epiphytic macroalgae cells

**Solubility:** water soluble  
**Form:** liquid  
**Use level:** 1%  
**Preservative free**



### JUVENESSENCE™

Caprylic/Capric Triglyceride - Alaria Esculenta Extract



#### Detoxifying through proteasome stimulation

##### Mode of action

- Proteasome stimulation: +24%

##### Nature

The Arctic winged kelp

**Solubility:** liposoluble  
**Form:** liquid  
**Use level:** 1%  
**Preservative free**

### NATIVE ESSENCE™

Caprylic/Capric Triglyceride -  
Crithmum Maritimum Extract



#### The keratogenesis architect

##### Mode of action

- Restores hydrolipidic barrier (ceramides 3 & 6)
- Detoxifies asphyxiated skin
- Protects blood vessel membranes

##### Nature

Sea fennel oil extract

**Solubility:** liposoluble  
**Form:** liquid  
**Use level:** 1%  
**Preservative free**

### OLIGOGE LINE™ PF

Aqua/Water - Chondrus Crispus Extract



#### Second skin ingredient

##### Benefits on volunteers

- TEWL: -38% after 2 hours
- +43% microparticles removed vs non treated area

##### Nature

Carrageenans from extremophile red seaweed & marine minerals

**Solubility:** water soluble  
**Form:** gel  
**Use level:** 2 to 3%  
**Preservative free**

### SAKADIKIUM™

Glycerin - Aqua/Water -  
Hedychium Coronarium Root Extract



#### Skin multiprotector

##### Benefits on volunteers

- Visible & perceived brightness increased by 16% vs placebo

##### Mode of action

- Cellular detoxification
- Anti-pollution
- Autophagy
- Anti-oxidant
- Protective effects of the immunity against urban dust: protection of langerhans cells by reducing inflammation

##### Nature

Sugars of rhizomes from Madagascar

**Solubility:** water soluble  
**Form:** liquid  
**Use level:** 3%  
**Preservative free**

### SEPITONIC™ M3.0

Magnesium Aspartate - Zinc Gluconate -  
Copper Gluconate



#### A breath of fresh air to de-stress the skin

##### Mode of action

- >80% protection against primary free radicals
- Protection of the mitochondria from dysfunctions due to indoor pollution stress

##### Nature

Mineral-based cell fuel  
(zinc, copper, magnesium)

**Solubility:** water soluble  
**Form:** liquid  
**Use level:** 1%  
**Preservative free**

### VOLUFORM™

Palmitoyl Isoleucine



#### A powerful cellular detoxifier

##### Mode of action

- Activation of proteasome enzymes:
- Chymotrypsin activity: +309%
- Trypsin activity: +202%
- Caspase activity: +209%

##### Nature

Isoleucine lipoaminoacids

**Solubility:** amphiphilic  
**Form:** powder  
**Use level:** 1%  
**Preservative free**

## Photo-aging, Blue light & IR protection

### ANTILEUKINE 6™

Caprylic/Capric Triglyceride -  
Laminaria Ochroleuca Extract



#### Daily soothing shield

##### Benefits on volunteers

- In vivo: quick soothing effect after 24h

##### Mode of action

- Sunburn cells (UVB induced) decrease: -50%
- Protection against UV stress, neurogenic suractivation & blue light exposure

##### Nature

Golden seaweed

**Solubility:** liposoluble  
**Form:** liquid  
**Use level:** 2%  
**Preservative free**

### BLUE SEAKALE SC

Caprylic/Capric Triglyceride -  
Crambe Maritima Leaf Extract



#### Cutaneous soothing & cell proliferation

##### Benefits on volunteers

- -43% cutaneous reactivity

##### Mode of action

- -31% IL-1, -32% IL-6, -22% PGE2 (after UVB),
- +77% ceramides 2
- +14% cell proliferation

##### Nature

Highly salt-tolerant seekale

**Solubility:** liposoluble  
**Form:** liquid  
**Use level:** 1%  
**Preservative free**

### JUVENESSENCE™

Caprylic/Capric Triglyceride - Alaria Esculenta Extract



#### Skin protector

##### Mode of action

- Decreases IL-1, IL-6 & IL-8: -12% to 21%
- TNFα: -14%
- IFNγ: -8%

##### Nature

The Arctic winged kelp

**Solubility:** liposoluble  
**Form:** liquid  
**Use level:** 1%  
**Preservative free**

### PHYCOCORAIL™

Lithothamnion Calcareum Powder - Mannitol -  
Diatomaceous Earth - Zinc Sulfate



#### Bioceramic thermic shield

##### Mode of action

- Protects 74% of keratinocytes & 80% Langerhans cells after UV/IR stress
- DNA damages: -72%
- Absorbs in IR

##### Nature

Red calcified seaweed

**Solubility:** hydro & lipo-dispersible  
**Form:** powder  
**Use level:** 1 to 3%  
**Preservative free**

### SAKADIKIUM™

Glycerin - Aqua/Water -  
Hedychium Coronarium Root Extract



#### Skin multiprotector

##### Benefits on volunteers

- Visible & perceived brightness increase by 16% vs placebo

##### Mode of action

- UV, blue light, infrared protection
- Autophagy
- Anti-oxidant

##### Nature

Sugars of rhizomes from Madagascar

**Solubility:** water soluble  
**Form:** liquid  
**Use level:** 3%  
**Preservative free**

### SEA LAVENDER SC

Caprylic/Capric Triglyceride - Limonium Gerberi Extract



#### Halophyte plant for a better hydro-lipidic barrier

##### Benefits on volunteers

- Moisturizing vs placebo from 2 to 24 hours: +30%

##### Mode of action

- -37% IL-6, -33% IL-1 release (after UVB)
- +67% ceramides 1

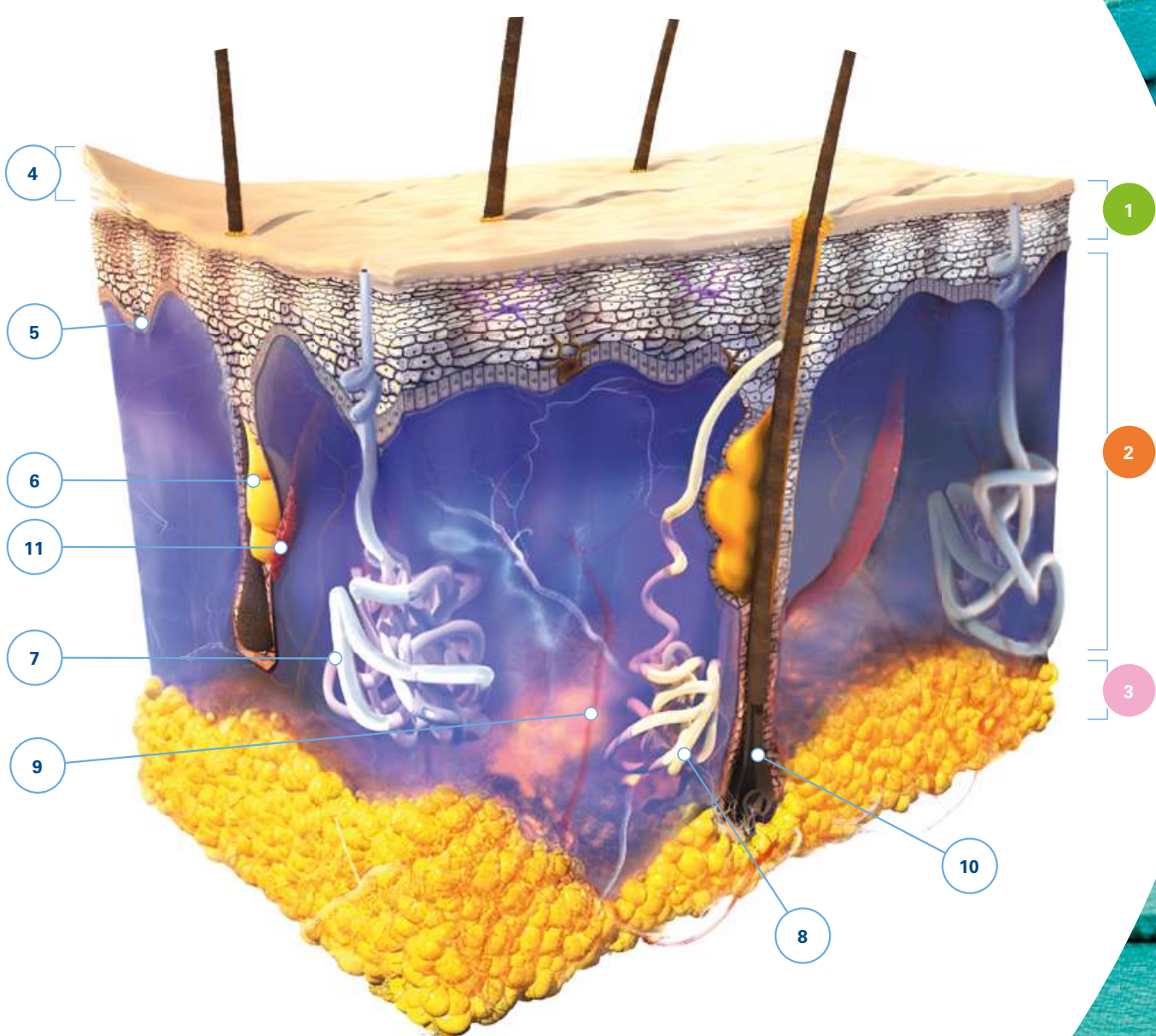
##### Nature

Immortal blue

**Solubility:** liposoluble  
**Form:** liquid  
**Use level:** 1%  
**Preservative free**



# Skin biology



## SKIN

- 1

Epidermis
- 2

Dermis
- 3

Hypodermis
- 4

Stratum corneum
- 5

Dermo-epidermal junction
- 6

Sebaceous gland
- 7

Eccrine sweat gland
- 8

Apocrine sweat gland
- 9

Vascular network
- 10

Hair follicle
- 11

Erector muscle

- EPIDERMIS
- 1

Stratum corneum
- 2

Stratum granulosum
- 3

Stratum spinosum
- 4

Basal layer
- 5

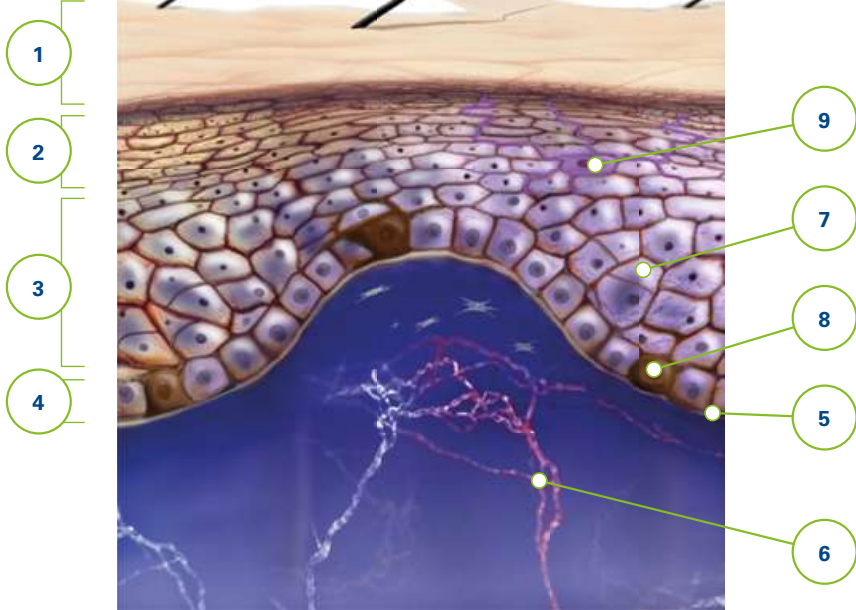
Dermo-epidermal junction
- 6

Vascular network
- 7

Keratinocyte
- 8

Melanocyte
- 9

Langerhans cell



- DERMIS
- 1

Epidermis
- 2

Dermo-epidermal junction
- 3

Fibroblast
- 4

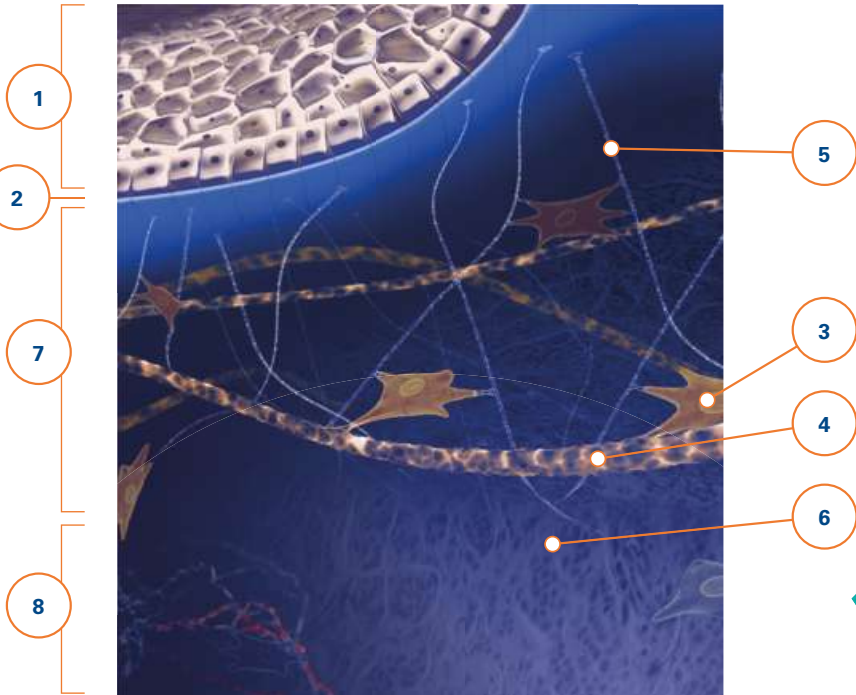
Collagen fiber
- 5

Elastin fiber
- 6

Ground substance
- 7

Papillar dermis
- 8

Reticular dermis

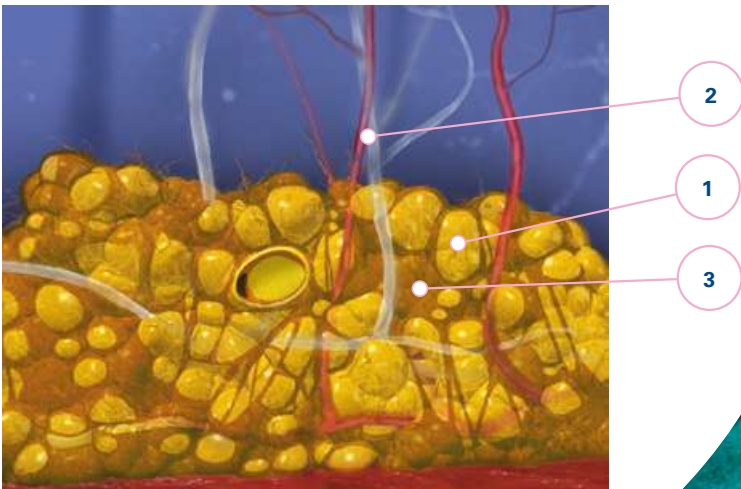


- HYPODERMIS
- 1

Adipocyte
- 2

Vascular network
- 3

Connective tissue





Skin complexion

Lightening

CELTOsome™  
CRITHMUM MARITIMUM

Crithmum Maritimum Callus Culture Filtrate



Pigmentation regulator from biotechnologies

- Benefits on volunteers**
- Significant lightening of skin pigmentation correlated to an increase of ITA compared to D0
- Mode of action**
- Inhibits tyrosinase activity, reduces melanin, reduces migration of melanosomes

**Nature**  
Plant cells from sea fennel

**Solubility:** dispersible  
**Form:** powder  
**Use level:** 0.10%  
**Preservative free**



SEASHINE™

Aqua/Water - Butylene Glycol\* -  
Alaria Esculenta Extract - Undaria Pinnatifida Extract



Lightener & skin sublimer

- Benefits on volunteers**
- Lightening: +30%
- Mode of action**
- Downregulates TRP-1 protein gene expression by 31%
  - Downregulates EDNRB protein gene expression by 28%
  - Downregulates RAB27A gene expression by 48%
  - Inhibits PAR-2 production by 25%
  - Decreases melanosomes migration into keratinocytes (-19%)

**Nature**  
Sea shining laminarias

**Solubility:** water soluble  
**Form:** liquid  
**Use level:** 1%  
**Preservative free**

SEPICALM™ VG WP

Sodium Palmitoyl Proline -  
Nymphaea Alba Flower Extract



Perfect lightener

- Benefits on volunteers**
- 90% lighter skin / 91% more radiant / 94% lighter spots & 73% smaller spots
- Mode of action**
- Double skin lightening action: inhibition of inflammatory pigmentation induced by cutaneous stress & modulation of gene expression in the basal pigmentation (MIC1, MITF, tyrosinase) after 16 hours

**Nature**  
Combination of lily flowers & palmitoyl proline

**Solubility:** amphiphilic  
**Form:** liquid  
**Use level:** 3%

SEPIWHITE™ MSH

Undecylenoyl Phenylalanine



Radiant complexion for all skin tones!

- Benefits on volunteers**
- 100% lighter spots / 73% less spots / 83% more radiant complexion / 100% more even complexion
  - Skin is uniform & visibly luminous
  - Proven efficacy on all skin tones (Asian, African, Indian & Caucasian skin, phototypes II-V)
- Mode of action**
- Unique mode of action: modulates the α-MSH path to inhibit the metabolic activation of tyrosinase
  - Flash lightening (in seven days with AHA)

**Nature**  
Phenylalanine lip aminoacids

**Solubility:** hydrodispersible, water soluble at pH7  
**Form:** powder  
**Use level:** 2%  
**Preservative free**

SEPIWHITE™ MSH QD

Undecylenoyl Phenylalanine



QD approved lightening booster

- Benefits on volunteers**
- At a very low dose (0.2%), boosts other illuminating agents

**Nature**  
Phenylalanine lip aminoacids

**Solubility:** hydrodispersible, water soluble at pH7  
**Form:** powder  
**Use level:** 0.20%  
**Preservative free**

Radiance

CELTOsome™  
CRITHMUM MARITIMUM

Crithmum Maritimum Callus Culture Filtrate



Pigmentation regulator from biotechnologies

- Benefits on volunteers**
- After 56 days of treatment, the scoring of radiance increased, meaning an improvement of 20% of radiant complexion vs D0
- Mode of action**
- Inhibits tyrosinase activity, reduces melanin, reduces migration of melanosomes

**Nature**  
Plant cells from sea fennel

**Solubility:** dispersible  
**Form:** powder  
**Use level:** 0.10%  
**Preservative free**



NATIVE ESSENCE™

Caprylic/Capric Triglyceride -  
Crithmum Maritimum Extract



Reinforce the barrier

- Benefits on volunteers**
- Radiance: +14% after 28 days
  - Skin is less dull (90% of volunteers)
- Mode of action**
- Improves ceramide synthesis by 46%
  - Regulates cell proliferation & fillagrin for differentiation control under asphyxia conditions

**Nature**  
Sea fennel oil extract

**Solubility:** liposoluble  
**Form:** liquid  
**Use level:** 1%  
**Preservative free**

SAKADIKIUM™

Glycerin - Aqua/Water -  
Hedychium Coronarium Root Extract



Skin multiprotector

- Benefits on volunteers**
- Visible & perceived brightness increase by 16% vs placebo
- Mode of action**
- UV, blue light, infrared protection
  - Autophagy
  - Anti-oxidant

**Nature**  
Sugars of rhizomes from Madagascar

**Solubility:** water soluble  
**Form:** liquid  
**Use level:** 3%  
**Preservative free**

TALADVANCE™

Glycerin - Aqua/Water -  
Centella Asiatica Leaf Extract



A nature-like extract of Talapetraka for skin radiance

- Benefits on volunteers**
- Instant radiance effect: increases blooming aspect & complexion uniformity after 30min at 5%
  - Long terme radiance effect: increases luminosity & glow after 28 days at 2%
  - Improvement of skin suppleness by 11% after 28 days at 2%
- Mode of action**
- Epidermal & dermal protection: antioxidant, against inflammation (IL -1α: -76% & IL -8: -34%)
  - Dermal homeostasis maintenance & restoration (Chronobiology): Circadian rhythm (Bmal1: 69% & Per2: 83%; IL -8: 62%; Col1a1: 102% & Col3a1: 144%; Timp1: 48% & Timp3: 134% overnight restoration effect)

**Nature**  
The full essentials of Centella asiatica

**Solubility:** water soluble  
**Form:** liquid  
**Use level:** 2 to 5%  
**Preservative free**

TIMECODE™

Palmitoyl Glycine



No more shadowy areas!

- Benefits on volunteers**
- Blooming skin effect in 14 days: +5% luminosity & -24% redness (ex vivo)
- Mode of action**
- Improved microvascular network after 16 hours: +18%

**Nature**  
PAL GLY, the bliss molecule

**Solubility:** amphiphilic  
**Form:** powder  
**Use level:** 1%  
**Preservative free**



## Healthy skin

### CERAMOSIDES™ HP

Glycosphingolipids - Glycolipids



#### Phytoceramides for a perfect skin

##### Benefits on volunteers

- Smooth skin texture, pore are narrowed
- Positive emotions & self-esteem are boosted

##### Mode of action

- Firmness: +33% protection of collagen fibers (TIMP1)
- Elasticity: +47% protection of elastin fibers
- Anti-oxidant: +39.2% protection against superoxide radicals

##### Nature

Ceramides (omegas 3,6,9) extracted from wheat grains

**Solubility:** oil & water dispersible  
**Form:** powder  
**Use level:** 0.2 %  
**Preservative free**



### TALADVANCE™

Glycerin - Aqua/Water - Centella Asiatica Leaf Extract



#### The healthy skin you are looking for during day & night!

##### Benefits on volunteers

- Instant radiance effect: increases blooming aspect & complexion uniformity after 30min at 5%
- Long terme radiance effect: increases luminosity & glow after 28 days at 2%
- Improvement of skin suppleness by 11% after 28 days at 2%

##### Mode of action

- Epidermal & dermal protection: antioxidant, against inflammation (IL -1α: -76% & IL -8: -34%)
- Dermal homeostasis maintenance & restoration (Chronobiology): Circadian rhythm (Bmal1: 69% & Per2: 83%; IL -8: 62%; Col1a1: 102% & Col3a1: 144%; Timp1: 48% & Timp3: 134% overnight restoration effect)

##### Nature

The full power of *Centella asiatica*

**Solubility:** water soluble  
**Form:** liquid  
**Use level:** 2 to 5%  
**Preservative free**



## Tanning

### LUMIPOD™

Isosorbide - Capryloyl/Capryloyl Leucine Isosorbide Esters



#### Bio-inspired Tan Booster Lipoaminoacids

##### Benefits on volunteers

- Reduces sun exposure while reaching the same tan
- Quick «sun-kissed» tan boosting effect: +6% ITA variation vs D0 & 2X more efficient than acetyl tyrosine after 4 days
- Long-lasting tanning effect: +15% ITA variation vs D0 after 12 days & long lasting results up to 2 weeks after stoping applying the product and UV radiations

##### Mode of action

- Strengthen skin melanin natural defenses from within
- Boosts melanin synthesis
- Boosts melanosome maturation & transfer

##### Nature

Bio-inspired Leucine based lipoaminoacids

**Solubility:** amphiphilic structure (lipophilic tendency)  
**Form:** liquid  
**Use level:** 1%  
**Preservative free**



## Dark circles

### ADIPOLESS™ ECO

1,3-Propanediol - Aqua/Water - Chenopodium Quinoa Seed Extract



#### Dark circles eraser!

##### Benefits on volunteers

- After 1 month, dark circles are strongly decreased: -16 arbitrary units vs placebo on 90% of volunteers

##### Mode of action

- +23% vascular protection
- +79% elastic fibers protection
- -90% less formation of new blood vessels
- -70% MMP-9 synthesis

##### Nature

Quinoa extract

**Solubility:** water soluble  
**Form:** liquid  
**Use level:** 2%  
  
*Other version available:*  
**ADIPOLESS™**  
with solvent: **Butylene Glycol**

## Skin balance

## Purifying

### CONTACTICEL™

Aqua/Water - Butylene Glycol\* - Hydrolyzed Rhodophyceae Extract



\*Plant-based & Renewable

#### Regulation of oily skin exposed to pollution

##### Benefits on volunteers

- Limits excessive sebum production for long-term visible benefits

##### Mode of action

- Regulation of lipids (-17%) in polluted cells exposed to urban dust
- Protection from the effects of heavy metals: (cell proteins, cell DNA) regulates inflammatory mediators (IL8 -18%, IL-1 -49%)

##### Nature

Epiphytic macroalgae cells

**Solubility:** water soluble  
**Form:** liquid  
**Use level:** 1%  
**Preservative free**



### FLUIDIPURE™ 8G

Hexylene Glycol - Capryloyl Glycine - Xylitylglucoside



#### Scalp & skin cocoon protector

##### Benefits on volunteers

- Contributes to the microbiota balance to reduce disorders, protect & purify the skin
- Gentle purifying & odor reduction, ideal for sensitive skin

##### Nature

Natural glycine & sugar lipoaminoacids

**Solubility:** water soluble  
**Form:** liquid  
**Use level:** 2.5 to 5%  
**Preservative free**

*Other version available:*  
**LIPACIDE™ C8G** (purified powder form)

### LIPACIDE™ C8G

Capryloyl Glycine



#### Overall Iconic Purifier

##### Benefits on volunteers

- Helps restore the skin natural acidic pH
- Purifies oily scalp from 2 weeks
- Up to -74% imperfections on mask zone (maskne)
- Visibly refines skin : -46% pore appearance
- 40% roughness score

##### Mode of action

- Inhibits proliferation of germs responsible of acne & dandruff
- Limit excess of sebum
- Improves the state of capillary seborrheic dermatitis (squamae, sebum, redness)

##### Nature

Glycine lipoaminoacids

**Solubility:** water soluble at pH 5 - 5.5  
**Form:** powder  
**Use level:** 0.5 to 2%  
**Preservative free**

*Other version available:*  
**FLUIDIPURE™ 8G** (liquid form)



## Deodorant

### LIPACIDE™ UG

Undecylenoyl Glycine



#### Natural way to fight body odor

##### Benefits on volunteers

- Decreases intensity of perspiration odor by 21% (better than triclosan)
- 24 hour deodorant efficacy

##### Mode of action

- *Staphylococcus epidermidis* MIC 0.05%
- *Staphylococcus haemolyticus* MIC 0.025%
- *Micrococcus luteus* MIC 0.001 %
- *Corynebacterium xerosis* MIC 0.001 %

##### Nature

Glycine lipoaminoacids

**Solubility:** water soluble at pH 7  
**Form:** powder  
**Use level:** 0.5 to 2%  
**Preservative free**



## Oil control

### SEPICONTROL™ A5

Capryloyl Glycine - Sarcosine - Cinnamomum Zeylanicum Bark Extract



#### Limit sebum excess of acne prone skin

##### Benefits on volunteers

- Reduces the sebum production at the skin surface by 20%
- -78% less comedones

##### Mode of action

- Inhibits microbial growth: *C. acnes*, *S. aureus* & *S. epidermidis*
- Reduces bacterial lipase activity by 71%

##### Nature

Spicy cocktail of cinnamon & glycine lipoaminoacids

**Solubility:** hydrophilic  
**Form:** brown liquid  
**Use level:** 4%  
**Preservative free**



## Acne prone skin &amp; Maskne

## LIPACIDE™ C8G

Capryloyl Glycine



## Overall Iconic Purifier - Validated on Maskne

## Benefits on volunteers

- Maskne efficacy: reduction of imperfections on mask zone (up to -74%)
- Visibly refines skin: -46% pore appearance, -40% roughness score

## Mode of action

- Inhibits proliferation of germs responsible of acne
- Limit excess of sebum

## Nature

Glycine lipoaminoacids

**Solubility:** water soluble at pH 5 - 5.5  
**Form:** powder  
**Use level:** 0.5 to 2%  
**Preservative free**



## SEPICONTROL™ A5

Capryloyl Glycine - Sarcosine -  
Cinnamomum Zeylanicum Bark Extract

## Seboregulating expert of acne prone skin

## Benefits on volunteers

- -78% less comedones
- -20% less sebum production

## Mode of action

- Inhibits microbial growth: *C. acnes*, *S. aureus* & *S. epidermidis*
- Increases natural skin immune & anti-microbial defense +46% HBD2 (defensin)
- Controls hyperkeratinization: -60% less Filaggrin
- Helps to control inflammation better than salicylic acid: -73% of IL-1α, -80% Elastase activity, -44% superoxide anion release, -71% bacterial lipase activity

## Nature

Spicy cocktail of cinnamon &amp; glycine lipoaminoacids

**Solubility:** hydrophilic  
**Form:** brown liquid  
**Use level:** 4%  
**Preservative free**

## SUBLIGANA™

Glycerin - Aqua/Water -  
Harungana Madagascariensis Extract

## Skin protection for a flawless complexion

## Benefits on volunteers

- Improvement of skin texture: 37% of blackhead reduction in 28 days. From 7 days, pore refining perceived for up to 85% of volunteers
- Skin perfecter: spot reduction (-34%) at 28 days vs placebo

## Mode of action

- 65% of protection against *C. acnes* secretome harmful effects
- Soothing effect: inhibition of bacteria lipase (-39%) & interleukines regulation (+157% of IL-10, -93% of IL-12)
- Antioxidant protective effect against lipid peroxidation (-79%)

## Nature

Titrated extract of *Harungana madagascariensis* tree leaves

**Solubility:** water soluble  
**Form:** liquid  
**Use level:** 2%  
**Preservative free**

## Skin &amp; Microbiota homeostasis

## EQUIBIOME™

Propylene Glycol - Aqua/Water -  
Arctium Lappa Root Extract

## Balance reactive skin for a perfect harmony

## Benefits on volunteers

- Relief for reactive skin
- Protective soothing properties: reduces skin redness (-60%) & limits stinging sensations (-20%) at D14 vs placebo
- Skin moisturizing activities: +58% skin water content at D7 vs placebo

## Mode of action

- Skin-microbiota harmony promoter
- Improves keratinocyte-microbe tolerance
- Facilitates ecosystem biodiversity
- Reinforces barrier function

## Nature

From sustainable Great Burdock roots

**Solubility:** water soluble  
**Form:** liquid  
**Use level:** 1%  
**Preservative free**



## FLUIDIPURE™ 8G

Hexylene Glycol - Capryloyl Glycine -  
Xylitylglucoside

## Scalp &amp; skin cocoon protector

## Benefits on volunteers

- Contributes to the microbiota balance to reduce disorders, protect & purify the skin: fight disorder-causing bacteria (*C. striatum*, *C. acnes* & *M. furfur*) while preserving the commensal bacteria *S. epidermidis*. Skin is rebalanced.

## Nature

Natural glycine &amp; sugar lipoaminoacids

**Solubility:** water soluble  
**Form:** liquid  
**Use level:** 2.5 to 5%  
**Preservative free**

## SUBLIGANA™

Glycerin - Aqua/Water -  
Harungana Madagascariensis Extract

## Skin protection for a flawless complexion

## Benefits on volunteers

- Improvement of skin texture: blackhead reduction & pore refining perceived from 7 days, for up to 85% of volunteers
- Skin perfecter: spot reduction (-34%) at 28 days vs placebo

## Mode of action

- 65% of protection against *C. Acnes* secretome harmful effects
- Soothing effect: inhibition of bacteria lipase (-39%) & interleukines regulation (IL-10: +157%, IL-12: -93%)

## Nature

Titrated extract of *Harungana madagascariensis* tree leaves

**Solubility:** water soluble  
**Form:** liquid  
**Use level:** 2%  
**Preservative free**

## TALADVANCE™

Glycerin - Aqua/Water -  
Centella Asiatica Leaf Extract

## Skin balance &amp; dermal boosting with Talapetraka

## Benefits on volunteers

- Increases smoothness of the skin

## Mode of action

- Dermal boosting & cellular viability: metabolism improvement (mTOR pathway: +147%) & cellular capacity maintenance (Survivin: +47%)
- Dermal protection (MMP-1: -54%)
- Anti-oxidant
- Epidermal balance: modulation of keratinocytes differentiation (IGFBP-3: x12)

## Nature

The full essentials of *Centella*

**Solubility:** water soluble  
**Form:** liquid  
**Use level:** 2 to 5%  
**Preservative free**

## Pore minimizer

## CERAMOSIDES™ HP

Glycosphingolipids - Glycolipids



## The essence of a perfect skin

## Benefits on volunteers

- Smooth skin texture, pore are narrowed
- Positive emotions & self-esteem are boosted

## Mode of action

- Firmness: +33% protection of collagen fibers (TIMP1)
- Elasticity: +47% protection of elastin fibers
- Anti-oxidant: +39.2% protection against superoxide radicals

## Nature

Ceramides (omegas 3,6,9) extracted from wheat grains

**Solubility:** oil & water dispersible  
**Form:** powder  
**Use level:** 0.2 %  
**Preservative free**



## SUBLIGANA™

Glycerin - Aqua/Water -  
Harungana Madagascariensis Extract

## Skin protection for a flawless complexion

## Benefits on volunteers

- Improvement of skin texture: 37% of blackhead reduction in 28 days.
- From 7 days, pore refining perceived for up to 85% of volunteers

## Nature

Titrated extract of *Harungana madagascariensis* tree leaves

**Solubility:** water soluble  
**Form:** liquid  
**Use level:** 2%  
**Preservative free**



# Moisturization

## Hydration

### AQUAXYL™

Xylitylglucoside - Anhydroxylitol - Xylitol



#### A 3D hydration boosting Hyaluronic acid production

##### Benefits on volunteers

- Skin water content is increased at 8 hours, 2 weeks & 1 month

##### Mode of action

- Hyaluronic acid booster at epidermal (+24%) & dermal (+20%) levels
- NMF is increased via the fillagrin degradation (+66% for Caspase-14)
- Water circulation is improved: tight junctions cohesion & Aquaporin-3 +36%

##### Nature

Natural sugar complex

**Solubility:** water soluble  
**Form:** liquid  
**Use level:** 3%  
**Preservative free**



### BIOPLASMA™ BG

Aqua/Water - Butylene Glycol\* - Plankton Extract\*\*



\*Plant-based & Renewable / \*\*Plankton Origin: (species) Scenedesmus Obliquus

#### Hydration from the desert algae

##### Benefits on volunteers

- Decreases TEWL after 2 hours: -6%

##### Nature

Desert microalgae

**Solubility:** water soluble  
**Form:** liquid  
**Use level:** 1%

### CODIAVELANE™ BG PF

Butylene Glycol\* - Aqua/Water - Codium Tomentosum Extract



\*Plant-based & Renewable

#### Multi-action moisturizer bioinspired by the Emerald Sea

##### Benefits on volunteers

- Immediate & long-lasting hydration: +14% (after 8 hours & 24 hours) vsT0
- Long lasting hydration: +11% (after D28 vs D0)

##### Mode of action

- Stimulates ceramides, cerebroside, cholesterol

##### Nature

Velvet algae

**Solubility:** water soluble  
**Form:** liquid  
**Use level:** 2%  
**Preservative free**

### HYDRACHRYSUM™

Aqua/Water - Glycerin - Helichrysum Stoechas Callus Culture Lysate



#### Breaking Inflamm'Dryness™ vicious circle

##### Benefits on volunteers

- Intense & long-term skin hydration: +47% (after 21 days vs D0)
- Boosts the number of Lacunae, visual markers of moisturization

##### Mode of action

- Inflammation resolution; 2D Model: decreases pro-inflammatory & increases pro-resolving mediators / 3D Model: decreases PGE2 & increases 15-HETE
- Strong barrier function & homeostasis restoration: +77% thickness of Stratum compactum / +29% NMF / better integrity & cohesion of Epidermis / -78% TEWL

##### Nature

Plant cells lysate from Helichrysum stoechas

**Solubility:** water soluble  
**Form:** liquid  
**Use level:** 1%

### OLIGOGELINE™ PF

Aqua/Water - Chondrus Crispus Extract



#### Second skin ingredient

##### Benefits on volunteers

- TEWL: -38% after 2 hours

##### Nature

Carrageenans from extremophile red seaweed & marine minerals

**Solubility:** water soluble  
**Form:** gel  
**Use level:** 2 to 3%  
**Preservative free**

### SEPICALM™ S WP

Sodium Cocoyl Aminoacids - Sarcosine - Potassium Aspartate - Magnesium Aspartate



#### Increase skin comfort for sensitive skin

##### Benefits on volunteers

- Skin water content is increased for up to 5 hours after application: +15%

##### Nature

Minerals + lipoaminoacids cocktail

**Solubility:** water soluble  
**Form:** liquid  
**Use level:** 3%  
**Preservative free**

## Skin barrier

### AQUAXYL™

Xylitylglucoside - Anhydroxylitol - Xylitol



#### 24h skin lipids barrier regeneration

##### Benefits on volunteers

- The skin desquamation is decreased in dry skin: -25% in one month
- The skin microrelief is smoothed: +30%
- -14% of TEWL in one month

##### Mode of action

- +139% increase in Ceramides 1 & 2 (no effect of glycerin) on human skin explants
- +61% of a key enzyme involved in Cholesterol synthesis
- +96% increase for Loricrine
- +111% increase for Kallikrein-5 & +63% for Kallikrein-7

##### Nature

Natural sugar complex

**Solubility:** water soluble  
**Form:** liquid  
**Use level:** 3%  
**Preservative free**



### CERAMOSIDES™ HP

Glycosphingolipids - Glycolipids



#### Phytoceramides barrier

##### Benefits on volunteers

- Effects on superficial skin layers hydration: +50% (as immediate effect) & +20% (as continuous effect)

##### Mode of action

- Elasticity: 47% protection of elastin fibers
- Antioxidant activity: 39.2% protection against superoxide radicals

##### Nature

Ceramides (omegas 3,6,9) extracted from wheat grains

**Solubility:** oil & water dispersible  
**Form:** powder  
**Use level:** 0.2 %  
**Preservative free**

# Skin relief

## Skin repair & integrity

### CELTOsome™ CRITHMUM MARITIMUM

Crithmum Maritimum Callus Culture Filtrate



Accelerated repairing & soothing from biotechnologies



#### Mode of action

- Epidermis renewal by a factor of 5
- Reduces IL-1, IL-6, stimulates growth factors
- Stimulates collagen synthesis

#### Nature

Plant cells from sea fennel

**Solubility:** dispersible  
**Form:** powder  
**Use level:** 0,10%  
**Preservative free**

## TECA

Asiaticoside - Madecassic Acid - Asiatic Acid



Iconic repairing agent

#### Benefits on volunteers

- Quicker reparation of damaged skin vs placebo

#### Mode of action

- Anti-oxidant: -68%
- ECM protection (MMP-1 & 9 up to -63%)
- Dermis boosting (fibroblast migration: +61%; α-Smooth Muscle Actin protein: +50%)

#### Nature

Titrated extract of *Centella asiatica* (TECA ≥ 95%)

**Form:** powder  
**Use level:** 0.2%  
**Preservative free**

## Soothing: Redness & Reactivity

### ANTILEUKINE 6™

Caprylic/Capric Triglyceride - Laminaria Ochroleuca Extract



Daily soothing shield

#### Benefits on volunteers

- In vivo: quick soothing effect after 24h

#### Mode of action

- Decreases TNFα: -26% vs UVB
- Decreases LTB4: -29% vs UVB
- Decreases COX2: -29% vs UVB
- Decreases IL-10: -26% vs UVB

#### Nature

Golden seaweed

**Solubility:** liposoluble  
**Form:** liquid  
**Use level:** 2%  
**Preservative free**

## EMBELIA EXTRACT

Glycerin - Aqua/Water - Embelia Concinna Leaf Extract



Natural "Hug of the forest": the best relief for reactive & sensitive skin

#### Benefits on volunteers

- Immediate & long term relief (stinging test)

#### Mode of action

- Soothing by reducing PGE2, LTB4 & Histamine release
- Skin barrier function reinforcement (Involucrin: +46%; Loricrin: +131%)

#### Nature

Titrated extract of *Embelia* leaves

**Solubility:** water soluble  
**Form:** liquid  
**Use level:** 2%  
**Preservative free**

## MADECASSOSIDE

Madecassoside



Powerful soothing dermo-cosmetic active for atopy-prone skin

#### Benefits on volunteers

- Efficacy on atopic dermatitis/psoriasis-prone skin from D14:
- Soothing effect (InflammAging™) / Itching reduction up to -65%
- Anti-redness (erythema reduction up to -58.3%)
- Moisturizing effect (desquamation reduction up to -50% & PASI score reduction -42.5%)
- Smoothing effect (Roughness score reduction up to -50.1%)
- Skin hydration increased by +113.6%

#### Nature

Highly pure madecassoside from *Centella* (≥ 95%)

**Form:** powder  
**Use level:** 0.2%  
**Preservative free**

## ROSABORA™

Tambourissa Trichophylla Leaf Extract



A unique concentrate of polyphenols for anti-redness effect

#### Benefits on volunteers

- At 0.3%, -42% microcirculation at D28 on rosacea-prone skin
- Visible reduction of persistent redness from D28

#### Mode of action

- Modulation of "alert message transduction" (CAMP: -45%; KLK-7: -74%)
- Modulation of microcapillaries (THBS-1: +111%; HBD-2: -86%; VEGF: -71%)
- Soothing (PGE2: -26%; LTB4: -60%)
- Anti-free radicals effect after UVB-exposure: -12%

#### Nature

Highly pure polyphenols from *Ambora* (≥ 45%)

**Form:** powder  
**Use level:** 0.3%  
**Preservative free**

## SEA MAYWEED SC

Aqua/Water - Tripleurospermum Maritimum Extract



Anti-redness for sensitive skin

#### Benefits on volunteers

- -24% cutaneous reactivity
- -19% redness

#### Mode of action

- -24% IL1, -32% IL6, -29% PGE2 under UVB
- -27% substance P under capsaicin stress, inhibition of substance P receptor

#### Nature

Sea chamomile

**Solubility:** water soluble  
**Form:** liquid  
**Use level:** 1%

## SEA STARWORT OIL

Caprylic/Capric Triglyceride - Aster Tripolium Extract



Skin barrier reinforcement for soothing efficacy

#### Benefits on volunteers

- Anti-redness: -15% the surface covered by the microcirculation network
- +12% complexion homogeneity after 28 days (scoring)
- +20% hydration after 4 hours in corneometry

#### Nature

Sea aster oil extract

**Solubility:** liposoluble  
**Form:** liquid  
**Use level:** 1%  
**Preservative free**

## SEPICALM™ S WP

Sodium Cocoyl Amino Acids - Sarcosine - Potassium Aspartate - Magnesium Aspartate



The complete anti-stress protection

#### Benefits on volunteers

- -74% redness after mechanical abrasion
- -25% redness after solar erythema
- -46% stinging sensation in 10 seconds

#### Mode of action

- +48% production of β-endorphins
- Targets the key inflammation pathway (NfκB); (IL6: -32%; IL8: -16%)
- -78% of free radical induction (superoxide anion)
- -80% Elastase inhibition
- -100% Hyaluronidase inhibition
- -80% Lipo-oxygenase inhibition

#### Nature

Minerals + lipoaminoacids cocktail

**Solubility:** water soluble  
**Form:** liquid  
**Use level:** 3%  
**Preservative free**

## Mood enhancer

### CERAMOSIDES™ HP

Glycosphingolipids - Glycolipids



Maintaining an healthy-looking skin

#### Benefits on volunteers

- Effects on superficial skin layers hydration: +50% (immediate effect) & +20% (continuous effect)
- Booster of positive emotions & self-esteem

#### Mode of action

- Elasticity: 47% protection of elastin fibers
- Antioxidant activity: 39.2% protection against superoxide radicals

#### Nature

Ceramides (omegas 3,6,9) extracted from wheat grains

**Solubility:** oil & water dispersible  
**Form:** powder  
**Use level:** 0.2 %  
**Preservative free**



## Mood enhancer

### SEPIBLISS™ FEEL

Coriandrum Sativum (Coriander) Seed Oil



#### Feeling & Looking good

##### Benefits on volunteers

- Powerful soothing effect
- Acupuncture-like well-being sensation
- Action on happiness molecules production

##### Mode of action

- Protection of neuronal extension, reduction of TRPA1 & NFkB activation
- Nitric oxide reduction similar to acupuncture effect
- Protection of ocytocine & β-endorphine production under stress conditions

**Nature**  
Natural oil

**Solubility:** liposoluble  
**Form:** liquid  
**Use level:** 1%  
**Preservative free**



### SEPICALM™ SWP

Sodium Cocoyl Amino Acids - Sarcosine - Potassium Aspartate - Magnesium Aspartate



#### Soothing & Happiness Lipoaminoacids

##### Benefits on volunteers

- -74% redness after mechanical abrasion
- -25% redness after solar erythema
- -46% stinging sensation in 10 seconds

##### Mode of action

- +48% production of β-endorphins
- Targets the key inflammation pathway (NfκB):
  - 32% of IL-6 / -16% of IL-8
  - 78% of free radical induction (superoxide anion)
  - 80% Elastase inhibition
  - 100% Hyaluronidase inhibition
  - 80% Lipo-oxygenase inhibition

**Nature**  
Minerals + lipoaminoacids cocktail

**Solubility:** water soluble  
**Form:** liquid  
**Use level:** 3%  
**Preservative free**

## Body specifics

### Firming & Stretchmark control

#### KALPARIANE™

Caprylic/Capric Triglyceride - Alaria Esculenta Extract



#### Firmness from pressure-resistant algae

##### Benefits on volunteers

- 90% of volunteers perceive improvement of firmness

##### Mode of action

- Anti-elastase: +84% elastin vs elastase
- Anti-collagenase: -20%
- Matricial PG: +21%

##### Nature

The Arctic winged kelp

**Solubility:** liposoluble  
**Form:** liquid  
**Use level:** 1%  
**Preservative free**



#### SCULPTOSANE™

Aqua/Water - Butylene Glycol - Plankton Extract\* - Arginine Ferulate



#### 3D remodeling action

##### Benefits on volunteers

- Significant cellulite decrease
- Decreases water retention
- Self evaluation: +42% firmness in 28 days

##### Mode of action

- Stimulates lipolysis: +38%
- Decreases autotaxin: -52%
- Anti-MMP1: -12%
- Stimulates fibronectin (+19%) & laminin (+27%)

##### Nature

Desert algae

**Solubility:** water soluble  
**Form:** liquid  
**Use level:** 1%  
**Preservative free**

#### SEPIlift™ DPHP

Dipalmitoyl Hydroxyproline



#### Strengthen & rejuvenate the skin

##### Mode of action

- Contraction of collagen fibers: +14%
- Protection of extracellular matrix

##### Nature

Hydroxyproline lipoaminoacids

**Solubility:** amphiphilic  
**Form:** powder  
**Use level:** 1%

#### TECA

Asiaticoside - Madecassic Acid - Asiatic Acid



#### Iconic blend of actives for stretchmarks

##### Benefits on volunteers

- Quicker reparation of damaged skin vs placebo

##### Mode of action

- Anti-oxidant (free radicals: -68%)
- Soothing (AP-1: -51%; MMP-1 & MMP-9: -63%; TSP-1: +34%)
- Dermis boosting (lattices: +14%)
- Fibroblasts migration: +61%

##### Nature

Titrated extract of *Centella asiatica* (TECA ≥ 95%)

**Form:** powder  
**Use level:** 0.2%  
**Preservative free**

### Plumping

#### VOLUFORM™

Palmitoyl Isoleucine



#### Natural alternative to lipofilling for the bust

##### Benefits on volunteers

- "BUST Volufirming" technology for a push-up effect: up to one cup size gained after 1 month
- Push-up effect for added beauty for 79% of volunteers

##### Mode of action

- VOLUfilling technology: stimulates the good fat & increases the volume of functional adipocytes

##### Nature

Isoleucine lipoaminoacids

**Solubility:** amphiphilic  
**Form:** powder  
**Use level:** 1%



## Slimming

### ADIPOLESS™ ECO

1,3-Propanediol - Aqua/Water -  
Chenopodium Quinoa Seed Extract



#### The "preventive" slimming active

##### Mode of action

- -90% formation of new blood vessels
- -91% differentiation of pre-adipocytes into mature adipocytes
- -70% MMP-9 synthesis

##### Nature

Quinoa extract

**Solubility:** water soluble  
**Form:** liquid  
**Use level:** 2%

Other version available:  
**ADIPOLESS™**  
with solvent: **Butylene Glycol**



### ADIPOSLIM™

Sorbitan Laurate - Lauroyl Proline



#### The "curative" slimming active

##### Benefits on volunteers

- Reduces visually the cellulite aspect -12%
- Reduces by 11% the fat infiltration in the dermis

##### Mode of action

- -90% fatty acid entrance in adipocytes
- Increases lipolysis in male & female adipocytes (better than caffeine)
- +201 % AMPc (lipolysis activator)
- -96% Phosphodiesterase-3 (lipolysis inhibitor)
- Adrenergic receptors ( $\alpha 2$ ,  $\beta$ ) regulation
- +60-62% fat recycled into ATP

##### Nature

Proline lipoaminoacids

**Solubility:** amphiphilic  
**Form:** liquid  
**Use level:** 3%  
**Preservative free**

## Marine extracts

### Brown Seaweed

*Fucus vesiculosus* **OLEAPHYCOL FV**

Caprylic/Capric Triglyceride -  
Fucus Vesiculosus Extract

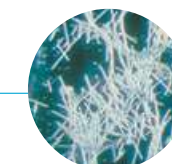
**Solubility:** oil  
**Preservative free**



*Fucus vesiculosus* **SUPERPHYCO-D™ BG PF**

Aqua/Water - Butylene Glycol -  
Fucus Vesiculosus Extract

**Solubility:** water  
**Preservative free**



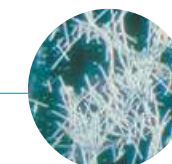
### Blue Seaweed

*Spirulina*

**SPIRULINE AP**

Aqua/Water - Butylene Glycol -  
Spirulina Platensis Extract

**Solubility:** water



## Algae cellular waters

### Red Seaweeds

#### HYDRALIXIR™ CC

Chondrus Crispus/Gigartina Stellata Water



#### Fundamental Fluid from a couple of red seaweeds

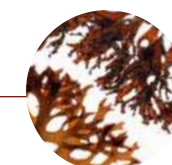
##### Benefits

- Plant-based water recovered from a couple of red algae (naturally filled with a high quality seawater / no fresh water intakes during growth / ethically harvested)
- Eco-designed algae cellular fresh water (by-product / energy saving technology)
- Natural alternative to replace a part of the water used in formulations (reduces the fresh water footprint of the formula)

##### Nature

Cellular water from *Chondrus crispus* & *Gigartina stellata*

**Solubility:** water soluble  
**Form:** liquid  
**Use level:** 10 to 50% maximum



### Brown Seaweed

#### HYDRALIXIR™ LD

Laminaria Digitata Water



#### Brown algae Cellular Elixir

##### Benefits

- New source of plant-based water, recovered from a brown seaweed (naturally filled with a high quality seawater / no fresh water intakes during growth / certified from organic agriculture / ethically harvested)
- Eco-designed algae cellular fresh water (by-product / energy saving technology)
- Natural alternative to replace a part of the water used in formulations (reduces the fresh water footprint of the formula)

##### Nature

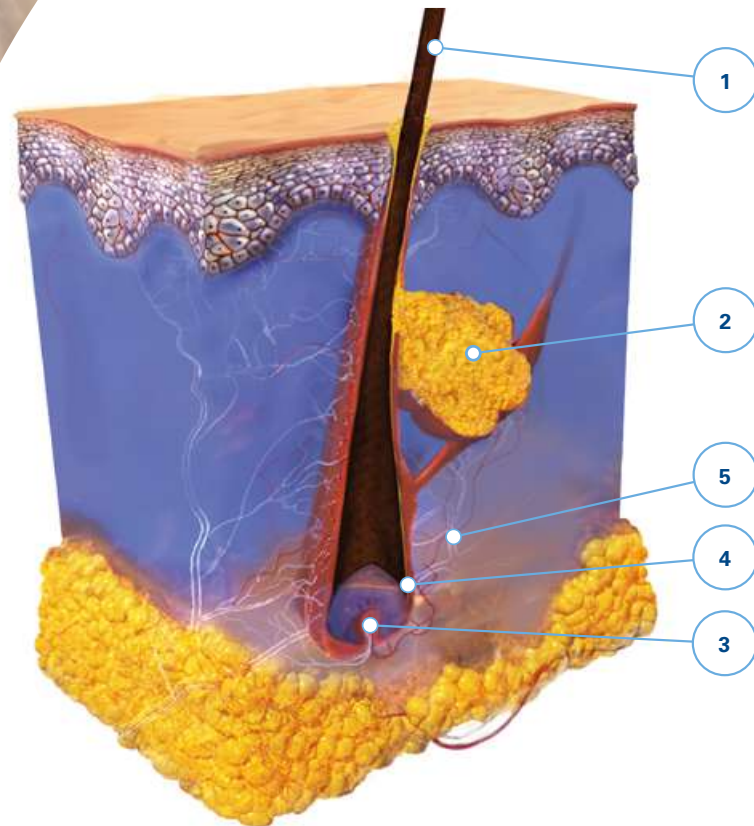
Cellular water from *Laminaria digitata*

**Solubility:** water soluble  
**Form:** liquid  
**Use level:** 10 to 50% maximum



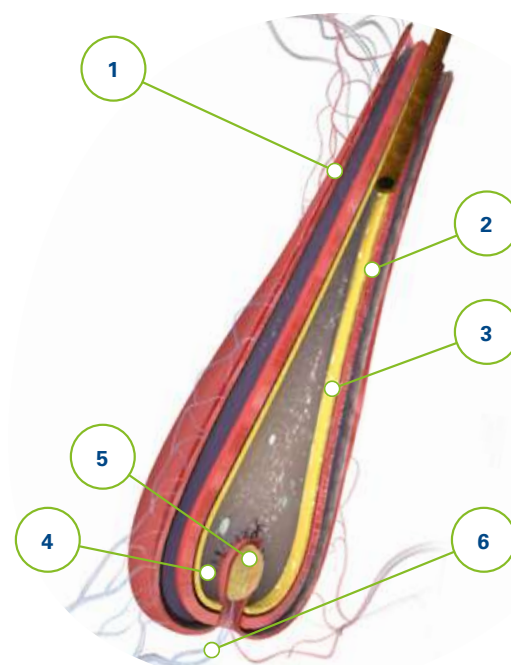


# Hair biology



## PILOSEBACEOUS UNIT

- 1 Hair Shaft
- 2 Sebaceous gland
- 3 Dermal papilla
- 4 Bulb
- 5 Vascular network

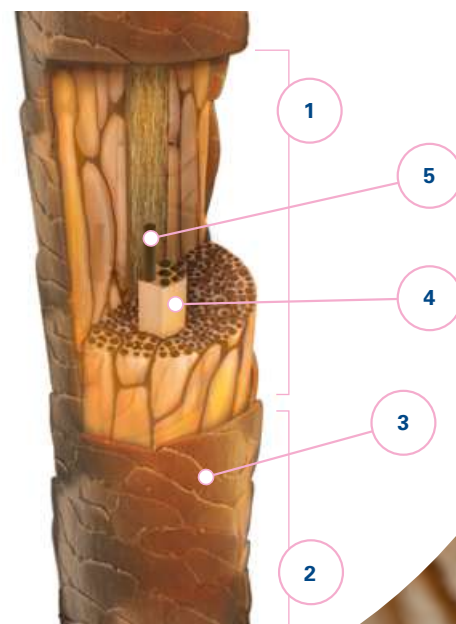


## HAIR BULB

- 1 Connective tissue sheet
- 2 Outer root sheath
- 3 Inner root sheath
- 4 Matrix
- 5 Dermal papilla
- 6 Vascular network

## HAIR LONGITUDINAL SECTION

- 1 Cortex
- 2 Cuticle
- 3 Scale
- 4 Macrofibrilla
- 5 Microfibrilla



# Hair & Scalp care

## Hair Fiber

### ALARIANE™ CV

Aqua/Water - Butylene Glycol\* -  
Alaria Esculenta Extract



\*Plant-based & Renewable

*For controlled & smoothed unruly hair*

#### Hair benefits

- Immediate smoothing & softening effects on curly hair
- Anti-frizz

#### Nature

The Arctic winged kelp

**Solubility:** water soluble  
**Form:** liquid  
**Use level:** 1%  
**Preservative free**

Other version available: **ALARIANE™**

### BIORESTORER™ PF

Aqua/Water - Butylene Glycol\* -  
Hypnea Musciformis Extract



\*Plant-based & Renewable

*Hair smoother*

#### Hair benefits

- Restructures & smoothes hair
- Flattens & regulates cuticles

#### Nature

Hook weed extract, a subtropical seaweed

**Solubility:** water soluble  
**Form:** liquid  
**Use level:** 2 to 5%  
**Preservative free**

### BLUE SEAKALE HC

Aqua/Water - Butylene Glycol\* -  
Crambe Maritima Leaf Extract



\*Plant-based & Renewable

*Hair protection & nutrition*

#### Hair benefits

- Shine
- Softness

#### Nature

Sea Kale extract

**Solubility:** water soluble  
**Form:** liquid  
**Use level:** 1%  
**Preservative free**

### INULA HC

Caprylic/Capric Triglyceride -  
Inula Crithmoide Leaf/Flower Extract



*Protective oil for dry scalp & hair*

#### Hair benefits

- Shine, softness
- Better hair color uptake
- Hair lipidic barrier reinforcement

#### Nature

Golden Samphire extract

**Solubility:** liposoluble  
**Form:** liquid  
**Use level:** 1%  
**Preservative free**

### SEA LAVENDER HC

Aqua/Water - Butylene Glycol\* -  
Limonium Gerberi Extract



\*Plant-based & Renewable

*Natural care for taming hair*

#### Hair benefits

- Reduces hair reactivity to static electricity

#### Nature

Sea Lavender extract

**Solubility:** water soluble  
**Form:** liquid  
**Use level:** 1%  
**Preservative free**



Hair Fiber



SEA SATIN™

Natural hair conditioner & Scalp soother

Caprylic/CapricTriglyceride -  
Beta Vulgaris (Beet) Root Extract



Hair benefits

- Hair shine, smoothness, silkiness, easy combing, volume gain

Nature

Sea Beet (also called Wild Spinach) extract

**Solubility:** liposoluble  
**Form:** liquid  
**Use level:** 1%  
**Preservative free**

SEPICAP™ MP

Hair nutrition & protection from roots to tip

Sodium Cocoyl Amino Acids - Potassium  
Dimethicone PEG-7 Panthenyl Phosphate



Hair benefits

- -71% of lipid peroxides at the hair surface
- -62% less damaged keratin at the hair surface
- Visible effect on the hair shaft with closed cuticles

Nature

Biovectorized amino acids (lipoaminoacids)  
& vitamin

**Solubility:** hydrodispersible  
**Form:** liquid  
**Use level:** 1 to 3%  
**Preservative free**

XYLISHINE™

The shine of moisturized hair!

Xylitylglucoside - Anhydroxylitol - Maltitol -  
Xylitol - Pelvetia Canaliculata Extract



Hair benefits

- Tested *in vivo* (leave-on & rinse-off), the hair is glossier, smoother & stronger

Mode of action

- At 3%, closes the cuticles & locks the hair moisture:  
+30% of deep moisture (leave-on, 1 application)  
+9% of deep moisture (rinse-off, 10 applications)

Nature

Wood & seaweed sugar complex

**Solubility:** water soluble  
**Form:** liquid  
**Use level:** 3%

Scalp Care



BIOENERGIZER™ P BG PF

Density & growth booster

Aqua/Water - Butylene Glycol\* - Panthenol -  
Propylene Glycol - Pelvetia Canaliculata Extract -  
Laminaria Digitata Extract



\*Plant-based & Renewable

Benefits on volunteers

- Hair density: +10%
- Hair length: +27%

Nature

3-in-1 tonic cocktail with panthenol,  
channeled wrack & oarweed extracts

**Solubility:** water soluble  
**Form:** liquid  
**Use level:** 5%  
**Preservative free**

BLUE SEAKALE HC

Hair protection & nutrition

Aqua/Water - Butylene Glycol\* -  
Crambe Maritima Leaf Extract



\*Plant-based & Renewable

Scalp benefit

- Antioxidant

Nature

Sea Kale extract

**Solubility:** water soluble  
**Form:** liquid  
**Use level:** 1%  
**Preservative free**

FLUIDIPURE™ 8G

Scalp & skin cocoon protector

Hexylene Glycol - Capryloyl Glycine -  
Xylitylglucoside



Benefits on volunteers

- Within 10 shampoos at 2.5%:
- Scalp irritation is significantly reduced
- Dandruff are drastically decreased
- Bad odour intensity is significantly reduced

Mode of action

- Contributing to the microbiota balance, it helps decreasing dandruff & unpleasant odours on the scalp

Nature

Biovectorized glycine (lipoaminoacids)  
& sugar

**Solubility:** water soluble  
**Form:** liquid  
**Use level:** 2.5 to 5%  
**Preservative free**

*Other version available:*  
**LIPACIDE™ C8G** (purified powder form, see page 19)

INULA HC

Protective oil for dry scalp & hair

Caprylic/CapricTriglyceride -  
Inula Crithmoide Leaf/Flower Extract



Scalp benefits

- Antioxidant, energizing & lipid renewing actions

Nature

Golden samphire extract

**Solubility:** liposoluble  
**Form:** liquid  
**Use level:** 1%  
**Preservative free**

SEA LAVENDER HC

Natural care for taming hair

Aqua/Water - Butylene Glycol\* -  
Limonium Gerberi Extract



\*Plant-based & Renewable

Scalp benefit

- Oxygenation

Nature

Sea Lavender extract

**Solubility:** water soluble  
**Form:** liquid  
**Use level:** 1%  
**Preservative free**

SEA SATIN™

Natural hair conditioner & Scalp soother

Caprylic/CapricTriglyceride -  
Beta Vulgaris (Beet) Root Extract



Scalp benefits

- Scalp soothing (-29% IL1, -30% IL6, -36% PGE2)  
& youthfulness protector (beta-galactosidase)

Nature

Sea Beet (also called Wild Spinach) extract

**Solubility:** liposoluble  
**Form:** liquid  
**Use level:** 1%  
**Preservative free**

SEPICAP™ MP

Scalp daily defense

Sodium Cocoyl Amino Acids - Potassium  
Dimethicone PEG-7 Panthenyl Phosphate



Mode of action

- +53% cell division after heat stress
- +86% protein metabolism after heat stress

Nature

Biovectorized amino acids (lipoaminoacids)  
& vitamin

**Solubility:** hydrodispersible  
**Form:** liquid  
**Use level:** 1 to 3%  
**Preservative free**



SEPICIDE™ G

Glycerin - Ethyl Lauroyl Arginate HCl



The "natural & green" preservative

Scalp benefit

- Strong dandruff reduction by 67% in 28 days

Mode of action

- *Malassezia furfur* inhibition, comparable to zinc pyrithione

Nature

Esterified lipoaminoacids

**Solubility:** water soluble  
**Form:** liquid  
**Use level:** 0.5 to 4%



# Hair Care solutions

## HAIR FIBER

### Conditioning benefits (combing, softness)

ALARIANE™ CV	p.31	SEA SATIN™	p.32
EMOGREEN™ L15	p.54	SIMULQUAT™ HC 305	p.43
EMOSMART™ V21	p.55	SOLAGUM™ TARA	p.38

### Hair definition & anti-frizz

EMOGREEN™ HP 40	p.54	SEA LAVENDER HC	p.31
EMOGREEN™ L15	p.54	XYLISHINE™	p.32
EMOSMART™ V21	p.55		

### Hair fiber protection & repair

BIORESTORER™ PF	p.31	EMOSMART™ V21	p.55
EMOGREEN™ HP 40	p.54	SEA SATIN™	p.32
EMOGREEN™ L15	p.54	SEPICAP™ MP	p.32

### Hair colour boosting & protection

BLUE SEAKALE HC	p.31	INULA HC	p.31
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### Shine

EMOGREEN™ L15	p.54
EMOSMART™ V21	p.55
SEA SATIN™	p.32
XYLISHINE™	p.32

## SCALP

### Energizing & oxygenation

BIOENERGIZER™ P BG PF	p.32
INULA HC	p.33
SEA LAVENDER HC	p.33
SEPICAP™ MP	p.33

### Purifying & anti-dandruff

FLUIDIPURE™ 8G	p.33	SEPICIDE™ G	p.34
LIPACIDE™ C8G	p.19		

### Antioxidant

BLUE SEAKALE HC	p.32
INULA HC	p.33
SEA SATIN™	p.33

### Soothing

SEA SATIN™	p.33
FLUIDIPURE™ 8G	p.33



# POLYMERIC THICKENERS & STABILIZERS

*Unique performance  
& attractive textures*

By adding emulsifying & texturizing functions to polymeric structures, **Seppic Beauty Care reinvents formulation.** These must-have ingredients open a new world of creativity to formulators.

- Easy to use
- Multi-performance
- An infinite source of unique sensory experiences & emotional benefits



NATURAL ORIGIN POLYMERS

38

HYBRID POLYMERS

39

CLASSIC POLYMERS

40

A-Z Index

67



# Natural Origin polymers<sup>(1)</sup>

## SOLAGUM™ AX

Acacia Senegal Gum - Xanthan Gum



Smart natural polymer

- Benefits**
- Innovative association of natural gums
  - Thickening & stabilizing polymer
  - Wide pH range stability
  - Film-forming properties
  - Moisturization up to 8 hours
  - Suspensive power
  - Synergistic efficiency with SOLAGUM™ TARA, other natural gums & synthetic polymers
  - Readily biodegradable

- Sensorial profile**
- Fresh skin feel
- Type:** anionic  
**Form:** powder  
**Function:** thickening, suspending, texturizing  
**pH of use:** 3-12  
**Preservative free / EO free**



## SOLAGUM™ TARA

Caesalpinia Spinosa Gum



Thicken with elegance

- Benefits**
- 100% plant based tara gum polymer
  - Great thickening capability
  - Resistance to electrolytes
  - Wide compatibility with cosmetic ingredient:
  - Ideal for natural hair care applications: volume control
  - In foaming products: provides softer & creamier foam
  - Synergistic action with SEPIMAX ZEN™, SEPINOV™, SOLAGUM™ AX & other natural gums
  - Readily biodegradable

- Sensorial profile**
- Comfortable sensation & elegant touch
- Type:** non ionic  
**Form:** powder  
**Function:** thickening, texturizing  
**pH of use:** 3-12  
**Preservative free / EO free**

Certifications & approvals legend: see p.73

(1) Natural Origin Content (NOC) >99% according to ISO 16128 norm.

# Hybrid polymers<sup>(2)</sup>

## SEPI LIFE™ G305

Acrylamide/Sodium Acryloyldimethyl Taurate Copolymer - C15-19 Alkane\* - Polyglyceryl-10 Laurate\* - Polyglycerin-10\*



The legacy of SEPIGEL 305™ with high naturality

- Benefits**
- Oil & surfactant from natural origin
  - Compatible with ethylene oxide free formulas
  - Inherently biodegradable

- Sensorial profile**
- Easy spreading & soft afterfeel

- Type:** anionic  
**Form:** classic liquid  
**Function:** thickening, stabilizing, texturizing  
**pH of use:** 3-11  
**Preservative free / EO free**



## SEPI LIFE™ NUDE

Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer - C15-19 Alkane\* - Polyglyceryl-6 Laurate\* - Polyglycerin-6\*



Sustainably designed EO free hybrid polymer

- Benefits**
- Oil & surfactant from natural origin
  - Compatible with ethylene oxide free formulas
  - Can be used as the primary emulsifier or thickener
  - For sprayable, fluid or thick formulas
  - Inherently biodegradable

- Sensorial profile**
- Quick-break & nude skin feel

- Type:** anionic  
**Form:** classic liquid  
**Function:** thickening, stabilizing, texturizing  
**pH of use:** 5.5-11  
**Preservative free / EO free**

## SIMULGEL™ NS

Hydroxyethyl Acrylate/Sodium Acryloyldimethyl Taurate Copolymer - Squalane\* - Polysorbate 60



Sustainably designed for sprayable to thick texture

- Benefits**
- Based on vegetable origin squalane
  - Excellent sprayability
  - For ultra fluid to thick formulas
  - DHA compatible
  - Excellent tolerance for mechanically irritated skin

- Sensorial profile**
- Fresh & melting texture
  - Quick-break & light skin feel

- Type:** anionic  
**Form:** classic liquid  
**Function:** thickening, stabilizing, texturizing  
**pH of use:** 3-11  
**Preservative free**

Certifications & approvals legend: see p.73

(2) Natural Origin Content (NOC) >50% according to ISO 16128 norm.

POLYMERIC THICKENERS & STABILIZERS

Classic polymers<sup>(3)</sup>

SEPIGEL 305™

Polyacrylamide - C13-14 Isoparaffin - Laureth-7



The original solution

- Benefits**
- The original solution as multifunctional polymer

- Sensorial profile**
- Soft & rich texture

**Type:** anionic  
**Form:** classic liquid  
**Function:** thickening, stabilizing, texturizing  
**pH of use:** 3-11  
**Preservative free**

SEPIMAX ZEN™

Polyacrylate Crosspolymer-6



Boost creativity with serenity

- Benefits**
- Maximum resistance to electrolytes
  - Clear aqueous gels
  - Suspending properties
  - Film-forming
  - Activator of positive emotions
  - Highly compatible with ethanol & other solvents
  - In foaming products: foam texturizing in classic & sulfate-free formulas
  - Excellent tolerance for intimate hygiene & oral care
  - Inherently ultimately biodegradable

- Sensorial profile**
- Innovative & surprising texture
  - Rich & elegant velvety skin feel
  - In foaming products: softer & creamier foam

**Type:** anionic  
**Form:** powder  
**Function:** thickening, stabilizing, suspending, texturizing  
**pH of use:** 3-8  
**Preservative free**

SEPI NOV™ EMT 10

Hydroxyethyl Acrylate/Sodium Acryloyldimethyl Taurate Copolymer



Outstanding versatile power

- Benefits**
- Good resistance to electrolytes
  - Excellent oil stabilizing property
  - Excellent sprayability
  - Translucent aqueous gels
  - Activator of positive emotions
  - DHA compatible
  - Excellent tolerance for baby care, mechanically irritated skin, intimate hygiene & oral care
  - Inherently ultimately biodegradable

- Sensorial profile**
- Satiny & fresh touch

**Type:** anionic  
**Form:** powder  
**Function:** thickening, stabilizing, texturizing  
**pH of use:** 3-11  
**Preservative free**

SEPI NOV™ P88

Sodium Acrylate/Acryloyl Dimethyltaurate/ Dimethylacrylamide Crosspolymer



EO free silky sensation

- Benefits**
- Compatible with ethylene oxide free formulas
  - Good resistance to electrolytes
  - DHA compatible

- Sensorial profile**
- Smooth texture & silky skin feel

**Type:** anionic  
**Form:** powder  
**Function:** thickening, stabilizing, texturizing  
**pH of use:** 3-11  
**Preservative free / EO free**

SEPI NOV™ WEO

Hydroxyethyl Acrylate/Sodium Acryloyldimethyl Taurate Copolymer



EO free universal concept

- Benefits**
- Universal polymer compatible with ethylene oxide free formulas
  - Good resistance to electrolytes
  - Excellent sprayability
  - Translucent aqueous gels
  - DHA compatible
  - Inherently ultimately biodegradable

- Sensorial profile**
- Satiny & fresh touch

**Type:** anionic  
**Form:** powder  
**Function:** thickening, stabilizing, texturizing  
**pH of use:** 3-11  
**Preservative free / EO free**

SEPIPLUS™ 265

Acrylamide/Ammonium Acrylate Copolymer - Polyisobutene - Polysorbate 20



Concentrated & Powerful

- Benefits**
- Good resistance to electrolytes

- Sensorial profile**
- Silicone-like touch, glide-on sensation & easy spreading

**Type:** anionic  
**Form:** concentrated liquid  
**Function:** thickening, stabilizing, texturizing  
**pH of use:** 5.5-11  
**Preservative free**

SEPIPLUS™ 400

Polyacrylate-13 - Polyisobutene - Polysorbate 20



Gliding & elegant touch

- Benefits**
- Good resistance to electrolytes
  - Activator of positive emotions
  - Versatile & good compatibility with different coatings of titanium dioxide for sun care

- Sensorial profile**
- Silicone-like touch, glide-on sensation & easy spreading

**Type:** anionic  
**Form:** concentrated liquid  
**Function:** thickening, stabilizing, texturizing  
**pH of use:** 3-11  
**Preservative free**

SEPIPLUS™ K

Polyacrylate-13 - Hydrogenated Polyisobutene - Polyglyceryl-10 Laurate\*



EO free gliding touch

- Benefits**
- Compatible with ethylene oxide free formulas
  - Good resistance to electrolytes

- Sensorial profile**
- Silicone-like touch, glide-on sensation & easy spreading

**Type:** anionic  
**Form:** concentrated liquid  
**Function:** thickening, stabilizing, texturizing  
**pH of use:** 3-11  
**Preservative free / EO free**

\*Plant-based & Renewable

SEPIPLUS™ S

Hydroxyethyl Acrylate/Sodium Acryloyldimethyl Taurate Copolymer - Polyisobutene - PEG-7 Trimethylolpropane Coconut Ether



Absolute comfort

- Benefits**
- Excellent resistance to electrolytes
  - DHA compatible

- Sensorial profile**
- Long lasting comfortable sensation

**Type:** anionic  
**Form:** concentrated liquid  
**Function:** thickening, stabilizing, texturizing  
**pH of use:** 3-11  
**Preservative free**

SIMULGEL™ 600

Acrylamide/Sodium Acryloyldimethyltaurate Copolymer - Isohexadecane - Polysorbate 80



305 remodeled

- Benefits**
- Alternative choice to SEPIGEL 305™

- Sensorial profile**
- Soft & supple texture

**Type:** anionic  
**Form:** classic liquid  
**Function:** thickening, stabilizing, texturizing  
**pH of use:** 3-11  
**Preservative free**

SIMULGEL™ EG

Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer - Isohexadecane - Polysorbate 80



Excellent gentleness

- Benefits**
- For sprayable fluid to thick formulas

- Sensorial profile**
- Soft & light texture

**Type:** anionic  
**Form:** classic liquid  
**Function:** thickening, stabilizing, texturizing  
**pH of use:** 5.5-11  
**Preservative free**

POLYMERIC THICKENERS & STABILIZERS





### SIMULGEL™ EG QD

Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer - Isohexadecane - Polysorbate 80



*QD approved liquid polymer*

- Benefits**
- For sprayable fluid to thick formulas

**Sensorial profile**

- Soft & light texture

**Type:** anionic  
**Form:** classic liquid  
**Function:** thickening, stabilizing, texturizing  
**pH of use:** 5.5 - 11  
**Preservative free**

### SIMULGEL™ EPG

Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer - Polyisobutene - Caprylyl/Capryl Glucoside\*



\*Plant-based & Renewable

*EO free gentleness*

- Benefits**
- Compatible with ethylene oxide free formulas

**Sensorial profile**

- Soft & light texture

**Type:** anionic  
**Form:** classic liquid  
**Function:** thickening, stabilizing, texturizing  
**pH of use:** 5.5 - 11  
**Preservative free / EO free**

### SIMULGEL™ FL

Hydroxyethyl Acrylate/Sodium Acryloyldimethyl Taurate Copolymer - Isohexadecane - Polysorbate 60



*Easily stabilize fluid formulations*

- Benefits**
- Perfect stabilizer for fluid emulsions
  - DHA compatible

**Sensorial profile**

- Light & fresh texture

**Type:** anionic  
**Form:** classic liquid  
**Function:** thickening, stabilizing, texturizing  
**pH of use:** 3-11  
**Preservative free**

### SIMULGEL™ INS 100

Hydroxyethyl Acrylate/Sodium Acryloyldimethyl Taurate Copolymer - Isohexadecane - Polysorbate 60



*Spray it, pour it & spread it*

- Benefits**
- Versatile polymer
  - Excellent sprayability
  - For ultra fluid to thick formulas
  - Generates pleasure to consumers
  - DHA compatible

**Sensorial profile**

- Fresh & melting texture
- Quick-break & light skin feel

**Type:** anionic  
**Form:** classic liquid  
**Function:** thickening, stabilizing, texturizing  
**pH of use:** 3-11  
**Preservative free**

### SIMULGEL™ SMS 88

Sodium Acrylate/Acryloyldimethyltaurate/ Dimethylacrylamide Crosspolymer - Isohexadecane - Polysorbate 60



*Smooth multi solutions*

- Benefits**
- DHA compatible

**Sensorial profile**

- Cushiony, rich & supple texture

**Type:** anionic  
**Form:** classic liquid  
**Function:** thickening, stabilizing, texturizing  
**pH of use:** 3-11  
**Preservative free**

### SIMULQUAT™ HC 305

Acrylamidopropyltrimonium Chloride/Acrylates Copolymer - Isohexadecane - Coceth-7



*Multifunctional rheomodifier designed for hair care*

- Benefits**
- Improved stability in acidic media
  - Creates an infinite range of textures
  - Conditioning effect in all type of application
  - Film-forming & thermal protection
  - Cold processable

**Sensorial profile**

- Silicone-like feel

**Type:** cationic  
**Form:** classic liquid  
**Function:** thickening, stabilizing, texturizing  
**pH of use:** 3-6  
**Preservative free**

POLYMERIC THICKENERS & STABILIZERS



# EMULSIFIERS

## *Smart conscious solutions*

Based on raw materials of plant origin, alcohols & fatty acids, sugars & amino acids, **Seppic Beauty Care eco-designs responsible chemistry** suited for Personal Care. Seppic's green specialities ensure:

- Performance
- Efficacy
- Safety
- Pleasurable use

NATURAL  
O/W EMULSIFIERS 46

NATURAL  
W/O EMULSIFIERS 48

CLASSIC  
W/O & O/W EMULSIFIERS 49

.....  
A-Z Index 67



# Natural O/W emulsifiers

## FLUIDIFEEL™ EASY

Lauryl Glucoside - Myristyl Glucoside -  
Polyglyceryl-6 Laurate



*The emulsifier for fast & easy cold processed formulation*

### Benefits

- Easily creates thick, fluid & sprayable formulations
- Good emulsifying performances
- Versatility with different oil types, up to 60% of oils
- Hot & cold processable - Save time & energy during process

### Sensorial profile

- Soft & light skin feel
- Naked skin effect

**Form:** liquid to semi-solid  
**Function:** O/W emulsifier  
**Preservative free**

## MONTANOV™ 14

Myristyl Alcohol - Myristyl Glucoside



*Co-emulsifier & green consistency agent*

### Benefits

- Helps to increase the emulsion viscosity & stability

### Sensorial profile

- Neutral skin feel

**Form:** solid pellets  
**Function:** O/W co-emulsifier  
texturizing agent  
**Preservative free**

## MONTANOV™ 202

Arachidyl Alcohol - Behenyl Alcohol -  
Arachidyl Glucoside



*For biomimetic textures*

### Benefits

- Outstanding emulsifying properties: emulsifies easily all types of oils (40% - 60%)
- Liquid crystal/lamellar phase promotor
- Active emulsifier: moisturizing effect up to 5 hours & restructuring effect (*in vivo* proven)
- High pigment compatibility
- Good compatibility with H<sub>2</sub>O<sub>2</sub>
- Fluid to cream textures

### Sensorial profile

- Soft, light & matte finish

**Form:** solid pellets  
**Function:** O/W emulsifier  
**Preservative free**

## MONTANOV™ 68 MB

Cetearyl Alcohol - Cetearyl Glucoside



*The bio-based pioneer*

### Benefits

- Outstanding emulsifying properties: emulsifies easily all types of oils (40% - 60%)
- Liquid crystal/lamellar phase promotor
- Active emulsifier: moisturizing effect up to 5 hours (*in vivo* proven)
- Cream to thick cream textures

### Sensorial profile

- Soft, rich & unctuous skin feel

**Form:** solid pellets  
**Function:** O/W emulsifier  
**Preservative free**

## MONTANOV™ 82

Cetearyl Alcohol - Coco-Glucoside



*Versatile performance*

### Benefits

- Outstanding emulsifying properties: emulsifies easily all types of oils (40% - 60%)
- Liquid crystal/lamellar phase promotor
- Active emulsifier: moisturizing effect up to 5 hours (*in vivo* proven)
- Good compatibility with organic & inorganic sunscreens
- High pigment compatibility
- Versatile textures: from spray to thick creams

### Sensorial profile

- Soft, rich & unctuous skin feel

**Form:** solid pellets  
**Function:** O/W emulsifier  
**Preservative free**

## MONTANOV™ L

C14-22 Alcohols - C12-20 Alkyl Glucoside



*Creator of endless textures*

### Benefits

- Outstanding emulsifying properties: emulsifies easily all types of oils (40% - 60%)
- Liquid crystal/lamellar phase promotor
- Active emulsifier: moisturizing effect up to 5 hours & up to 24 hours in combination with AQUAXYL™ (*in vivo* proven)
- Active emulsifier: boosts the perceptible effect of SAKADIKIUM™ on the skin complexion (*in vivo* proven)
- High pigment compatibility
- Versatile textures: from spray to thick creams

### Sensorial profile

- Soft & light skin feel

**Form:** solid pellets  
**Function:** O/W emulsifier  
**Preservative free**

## MONTANOV™ S

Coco-Glucoside - Coconut Alcohol



*Excellent universal co-emulsifier*

### Benefits

- Liquid crystal/lamellar phase promotor
- Active emulsifier: moisturizing effect up to 5 hours (*in vivo* proven)
- Good compatibility with organic & inorganic sunscreens
- Texturizing agent for foaming formulas

### Sensorial profile

- Neutral skin feel

**Form:** solid pellets  
**Function:** O/W emulsifier  
**Preservative free**

# Natural W/O emulsifiers

## FLUIDANOV™ 20X

Octyldodecanol - Octyldodecyl Xyloside



### Multi-functional co-emulsifier

- Benefits**
- PEG-free co-emulsifier for conventional W/O emulsions with a cold process
  - Texturizing effect for cream gels & O/W emulsions
  - Good pigment dispersing agent

- Sensorial profile**
- Conventional W/O emulsions: soft, silky, easy to spread & non sticky skin feel
  - Cream gels & O/W emulsions: soft & emollient skin feel

**Form:** liquid  
**Function:** W/O co-emulsifier  
**Preservative free**

## MONTANE™ 20

Sorbitan Laurate



- Benefits**
- Non-ionic lipophilic emulsifier derived from vegetable origin

**Form:** liquid  
**HLB:** ≈8.6  
**Preservative free**

## MONTANE™ 481 VG

Sorbitan Oleate - Beeswax - Hydrogenated Castor Oil - Stearic Acid



- Benefits**
- Non-ionic lipophilic emulsifier derived from vegetable origin
  - Various consistencies

- Sensorial profile**
- Rich & thick skin barrier protection

**Form:** waxy solid  
**Function:** W/O emulsifier  
**Preservative free**

## MONTANE™ 60

Sorbitan Stearate



- Benefits**
- Non-ionic lipophilic emulsifier derived from vegetable origin

**Form:** solid flakes  
**HLB:** ≈4.7  
**Preservative free**

## MONTANE™ 70

Sorbitan Isostearate



- Benefits**
- Non-ionic lipophilic emulsifier derived from vegetable origin

**Form:** liquid  
**HLB:** ≈4.3  
**Preservative free**

## MONTANE™ 83 VG

Sorbitan Sesquioleate



- Benefits**
- Non-ionic lipophilic emulsifier derived from vegetable origin

**Form:** liquid  
**HLB:** ≈3.7  
**Preservative free**

# Classic W/O & O/W emulsifiers

## CIRE DE LANOL CTO

Cetearyl Alcohol - Ceteareth-33



- Benefits**
- O/W self emulsifying base

**Form:** solid flakes  
**HLB:** ≈15.6  
**Preservative free**

## EASYNOV™

Octyldodecanol - Octyldodecyl Xyloside - PEG-30 Dipolyhydroxystearate



### Cold processed emulsifier for classical W/O & GELTRAP™

- Benefits**
- Emulsifier for conventional W/O emulsions even rich in water with a cold process
  - Key ingredient to create patented technology GELTRAP™ emulsions extra-rich in water with a low shear (low energy consumption) & cold process

- Sensorial profile**
- Conventional W/O emulsions: soft, silky, easy to spread & non sticky skin feel
  - GELTRAP™ emulsions: fresh, soft, cushion & comfortable sensation

**Form:** liquid  
**Function:** W/O emulsifier, GELTRAP™ emulsifier  
**Preservative free**

## MONTANOX™ 20 DF

Polysorbate 20



- Benefits**
- Hydrophilic emulsifier solubilizing agent

**Form:** liquid  
**HLB:** ≈16.7  
**Preservative free**

## MONTANOX™ 60 DF

Polysorbate 60



- Benefits**
- Hydrophilic emulsifier

**Form:** waxy solid  
**HLB:** ≈14.9  
**Preservative free**

## MONTANOX™ 80 VG DF

Polysorbate 60



- Benefits**
- Hydrophilic emulsifier, solubilizing agent

**Form:** liquid  
**HLB:** ≈15  
**Preservative free**

## SENSANOV™ WR

C20-22 Alkyl Phosphate - C20-22 Alcohols



### Sensation & Protection

- Benefits**
- Outstanding emulsifying properties: emulsifies easily all types of oils up to 50%
  - Skin protection against environmental pollutants
  - Good compatibility with organic & inorganic sunscreens
  - High pigment compatibility
  - Water resistant property
  - Fluid to cream textures

- Sensorial profile**
- Light, velvet & powdery skin feel

**Form:** solid flakes  
**Function:** O/W emulsifier  
**Preservative free**



PEG-100 Stearate - Glyceryl Stearate



## Benefits

- O/W self emulsifying base

**Form:** solid pellets

**HLB:** =11

**Preservative free**

Ceteth-20



- Hydrophilic emulsifier

**Form:** solid flakes

**HLB:** =15.7

**Preservative free**

*Oleth-20*



- Hydrophilic emulsifier, solubilizing agent

**Form:** solid

**HLB:** =15.6

**Preservative free**

## Ceteareth-33



- Hydrophilic emulsifier

**Form:** solid flakes

**HLB:** =16.2

**Preservative free**

*Certifications & approvals legend: see p.71*

## Notes



# SENSORY INGREDIENTS

*A palette of  
solutions & sensations*

Our expertise in sensorial & texture analysis, together with our constant follow-up of future market trends bring you creative ideas and inspirational formulations.

LIQUID EMOLLIENTS 54

WAXES 57

POWDERS 58

.....  
A-Z Index 67



Liquid emollients

EMOGREEN™(1) C69

C15-19 Alkane\* -  
Coco-Caprylate/Caprate



\*Plant-based & Renewable

Cocoon green emollient

- Benefits**
- Sustainable sensory alternative to Dimethicone in formulation
  - Readily biodegradable

- Sensorial profile**
- A Soft, extra-comfortable & powdery veil

**Solubility:** liposoluble  
**Form:** liquid  
**Function:** emollient  
**Viscosity:** 8.6 mPa.s  
**Preservative free**

EMOGREEN™(1) HP 40

C15-19 Alkane\* -  
Hydrogenated Polyfarnesene\*



\*Plant-based & Renewable

Comfort & film forming emollient

- Benefits**
- Sustainable alternative to heavy silicones in formulation
  - Versatile texturizing emollient
  - Film forming properties

- Sensorial profile**
- Soft, supple & silky protective effect

**Solubility:** liposoluble  
**Form:** liquid  
**Function:** emollient  
**Viscosity:** 400 mPa.s  
**Preservative free**

EMOGREEN™(1) L15

C15-19 Alkane\*



\*Plant-based & Renewable

Very light bio-based emollient

- Benefits**
- Sustainable alternative to volatile silicone oils
  - Suitable for hair care applications
  - Readily biodegradable

- Sensorial profile**
- Fresh & gliding sensation, powdery afterfeel

**Solubility:** liposoluble  
**Form:** liquid  
**Function:** emollient  
**Viscosity:** 4.5 mPa.s  
**Preservative free**

EMOGREEN™(1) L19

C15-19 Alkane\*



\*Plant-based & Renewable

Light bio-based emollient

- Benefits**
- Biodegradable alternative to silicone oils
  - Suitable for skin, body & sun care applications
  - Readily biodegradable

- Sensorial profile**
- Fresh & gliding sensation, soft afterfeel

**Solubility:** liposoluble  
**Form:** liquid  
**Function:** emollient  
**Viscosity:** 9 mPa.s  
**Preservative free**

EMOSMART™(2) C28

C21-28 Alkane



Cocoon emollient

- Benefits**
- Excellent compatibility with esters, vegetable & mineral oils
  - Readily biodegradable

- Sensorial profile**
- Fresh texture, extra comfortable finish

**Solubility:** liposoluble  
**Form:** liquid  
**Function:** emollient  
**Viscosity:** 26 mPa.s  
**Preservative free**

(1) GEMSEAL® BioLife Natural Alkane / (2) GEMSEAL® Specialty Alkane

EMOSMART™(2) L15

C13-15 Alkane



Very light emollient

- Benefits**
- Excellent compatibility with silicone, esters, vegetable & mineral oils
  - Readily biodegradable

- Sensorial profile**
- Fresh & vanishing texture, dry & matt veil

**Solubility:** liposoluble  
**Form:** liquid  
**Function:** emollient  
**Viscosity:** 4.5 mPa.s  
**Preservative free**

EMOSMART™(2) L19

C15-19 Alkane



Light emollient

- Benefits**
- Excellent compatibility with esters, vegetable & mineral oils
  - Helps to disperse mineral filters(TiO<sub>2</sub>/ZnO)
  - Readily biodegradable

- Sensorial profile**
- Fresh & vanishing texture, matt veil

**Solubility:** liposoluble  
**Form:** liquid  
**Function:** emollient  
**Viscosity:** 8.5 mPa.s  
**Preservative free**

EMOSMART™(2) V21

C18-21 Alkane



Versatile emollient

- Benefits**
- Excellent compatibility with esters, vegetable & mineral oils
  - Readily biodegradable

- Sensorial profile**
- Fresh texture, soft finish & matt veil

**Solubility:** liposoluble  
**Form:** liquid  
**Function:** emollient  
**Viscosity:** 13.5 mPa.s  
**Preservative free**

LANOL 1688

Cetearyl Ethylhexanoate



Comfortable emollient

- Benefits**
- Water repellent

- Sensorial profile**
- Soft & light

**Solubility:** liposoluble  
**Form:** liquid  
**Function:** emollient  
**Viscosity:** 16 mPa.s  
**Preservative free**

LANOL 2681

Coco-Caprylate/Caprate



Green universal oil

- Benefits**
- Superfating agent

- Sensorial profile**
- Soft & light

**Solubility:** liposoluble  
**Form:** liquid  
**Function:** emollient  
**Viscosity:** 9 mPa.s  
**Preservative free**

LANOL 37 T

Triheptanoin



Sun care specialist

- Benefits**
- Solubilizes organic sunscreens

- Sensorial profile**
- Soft & light

**Solubility:** liposoluble  
**Form:** liquid  
**Function:** emollient  
**Viscosity:** 100 mPa.s  
**Preservative free**

(2) GEMSEAL® Specialty Alkane

LANOL 99

Isononyl Isononanoate



Liquid silk

- Benefits**
- Versatile ester emollient
  - Improves spreadability and skin comfort

**Sensorial profile**

- Soft & light

**Solubility:** liposoluble  
**Form:** liquid  
**Function:** emollient  
**Viscosity:** 6 mPa.s  
**Preservative free**

Waxes



LANOL 14 M

Myreth-3 Myristate



Melting balm

- Benefits**
- Helps to improve the texture & stability of emulsions

- Sensorial profile**
- Soft, rich & unctuous skin feel
  - Easy to spread

**Melting point:** ~30°C  
**Form:** waxy solid  
**Function:** consistency agent; O/W co-emulsifier  
**Preservative free**

LANOL P ECAILLES

Glycol Palmitate



A solid wax with a soft touch

- Benefits**
- Helps to improve the consistency & stability of emulsions

- Sensorial profile**
- Soft, rich & unctuous skin feel
  - Easy to spread

**Melting point:** 60-65°C  
**Form:** solid flakes  
**Function:** consistency agent  
**Preservative free**

MONTANOV™ 14

Myristyl Alcohol - Myristyl Glucoside



Green texturizer

- Benefits**
- Green consistency agent providing onctuous melting texture & stable viscosity

- Sensorial profile**
- Neutral skin feel
  - Easy to spread

**Melting point:** 46-50°C  
**Form:** solid pellets  
**Function:** consistency agent, O/W co-emulsifier  
**Preservative free**

SEPIFEEL™ ONE

Palmitoyl Proline - Magnesium Palmitoyl Glutamate - Sodium Palmitoyl Sarcosinate



Sensorial enhancer

- Benefits**
- Helps to improve the texture & stability of emulsions
  - Helps to disperse pigments

- Sensorial profile**
- Rich, unctuous & creamy skin feel

**Melting point:** 46-60°C  
**Form:** solid granules  
**Function:** texturizer, O/W co-emulsifier  
**Preservative free**

Certifications & approvals legend: see p.71



# Powders

## PHYCOCORAIL™

Lithothamnion Calcareum Powder -  
Mannitol - Diatomaceous Earth -  
Zinc Sulfate



### Ocean powder

- Mode of action**
- 30% oil absorption
  - Anti shine
  - High porosity, very large specific surface

- Sensorial profile**
- Matte & dry effect

**Solubility:** hydro & lipo-dispersible  
**Form:** powder  
**Function:** texturizing agent  
**Particle size:** <100 µm  
**Preservative free**



## SEPIFINE™ BB

Amylopectin



### Bio-sourced texturizer

- Benefits**
- 100% plant based: Babassu starch
  - Readily biodegradable
  - Shininess reduction
  - Oil & water absorption
  - Matt finish

- Sensorial profile**
- Soft & velvety afterfeel

**Solubility:** hydro & lipo-dispersible  
**Form:** powder  
**Function:** texturizing agent  
**Particle size:** 10 to 20 µm  
**Preservative free**

## SEPIMAT™ CP 5

Methyl Methacrylate Crosspolymer



### Quintessential texture

- Benefits**
- Ultra-soft powder with a smooth surface
  - Leaves a soft & powdery feel onto the skin with a matte finish

- Sensorial profile**
- Powdery & light sensation

**Solubility:** hydro & lipo-dispersible  
**Form:** powder  
**Function:** texturizing agent  
**Particle size:** 5 to 15 µm  
**Preservative free**

## SEPIMAT™ H10 FW

Methyl Methacrylate Crosspolymer -  
Squalane



### Pure texture

- Benefits**
- Hollow hemispheres with a smooth surface that deliver softness & a matte effect in formulation
  - Excellent oil absorption capacity
  - Elaborated with vegetable based oil

- Sensorial profile**
- Ultra soft afterfeel

**Solubility:** hydro & lipo-dispersible  
**Form:** powder  
**Function:** texturizing agent  
**Particle size:** 5 to 15 µm  
**Preservative free**

## SEPIMAT™ HB V

Methyl Methacrylate Crosspolymer



### Opulent & majestic texture

- Benefits**
- Hollow & ultra light powder that impart a “velvet” effect at low use levels (0.5%) especially in formulas containing low levels of oily materials

- Sensorial profile**
- Powdery textures
  - Ultimate softness & silky afterfeel

**Solubility:** hydro & lipo-dispersible  
**Form:** powder  
**Function:** texturizing agent  
**Particle size:** 5 to 15 µm  
**Preservative free**

## SEPIMAT™ P

Polymethyl Methacrylate



### Unique hydro-dispersible powder

- Benefits**
- Smooth & versatile powder: perfect choice for all types of skin care formulation

- Sensorial profile**
- Soft afterfeel

**Solubility:** hydro-dispersible  
**Form:** powder  
**Function:** texturizing agent  
**Particle size:** 5 to 15 µm  
**Preservative free**

## SEPIMAT™ SB

Methyl Methacrylate Crosspolymer



### Fine & sprayable powder

- Benefits**
- Absorbent, soft powder ideal for soft skin & matte appearance
  - Versatile & easy-to-disperse powder suitable for all types of formulations
  - Adapted for fluid or sprayable formulations due to its fine granulometry

- Sensorial profile**
- Powdery nude skin feel

**Solubility:** hydro & lipo-dispersible  
**Form:** powder  
**Function:** texturizing agent  
**Particle size:** 1 to 5 µm  
**Preservative free**

# FUNCTIONAL ADDITIVES

*Playful softness  
& protection*

Specially designed for gentle cleansing,  
sensorial foams & softly protected  
beauty care products.

## FOAMING & SOLUBILIZING AGENTS

Mild amino acid-derived anionic surfactants  
Natural sugar-based non-ionic surfactants  
Optimized surfactant blends  
Classical surfactants & solubilizers

## MARINE SCRUBS

## PRESERVATIVES & BOOSTERS

## A-Z Index

62

65

66

67



# Foaming & solubilizing agents

## Mild amino acid-derived anionic surfactants

### ORAMIX™ L 30

Sodium Lauroyl Sarcosinate



Great alternative for SLES-free formulations

#### Benefits

- Superior foaming ability to SLES
- Produces a soft & abundant foam
- Readily biodegradable

#### Sensorial profile

Light & soft foam

**Type:** anionic  
**Form:** liquid  
**Function:** foaming  
**Dry extract:** 30%

### PROTEOL™ APL EF

Sodium Cocoyl Apple Amino Acids



Naturally inspired, for unique foam ability

#### Benefits

- Inspired by the aminogram characteristic of apple
- Abundant and soft foam.
- Sensory booster with other surfactants
- Gentle cleansing
- Readily biodegradable

#### Sensorial profile

Dense & unctuous foam

**Type:** anionic  
**Form:** liquid  
**Function:** foaming, pigment wetting  
**Dry extract:** 32%  
**Preservative & EDTA free**

### PROTEOL™ OAT PF

Sodium Lauroyl Oat Amino Acids



Naturally inspired, for extreme mildness

#### Benefits

- Inspired by the aminogram characteristic of oat
- Rich foam, unctuous texture
- Excellent tolerance, minimal delipidation
- Readily biodegradable

#### Sensorial profile

Dense & unctuous foam

**Type:** anionic  
**Form:** liquid  
**Function:** foaming, pigment wetting  
**Dry extract:** 30%  
**Paraben-free**

## Natural sugar-based non-ionic surfactants

### ORAMIX™ CG 110

Caprylyl/Capryl Glucoside



100% bio-based solubilizer & foaming booster

#### Benefits

- High foaming & cleansing performances
- High performance solubilizer (essential oils, fragrances, preservatives & cationic surfactants)
- Readily biodegradable

#### Sensorial profile

Light foam

**Type:** non-ionic  
**Form:** liquid to paste  
**Function:** foaming, solubilizing, co-emulsifying  
**Dry extract:** 60%

### ORAMIX™ NS 10

Decyl Glucoside



100% bio-based with a high foaming power

#### Benefits

- Greater foaming power compared to LesNa
- Easy to thicken
- Performing & well tolerated cleanser
- Readily biodegradable

#### Sensorial profile

Light & abundant foam

**Type:** non-ionic  
**Form:** liquid  
**Function:** foaming  
**Dry extract:** 55%

### SEPICLEAR G7™

Heptyl Glucoside



100% bio-based non-foaming solubilizer

#### Benefits

- Excellent solubilizer & non-foaming agent
- Cold processable
- Inodor & incolor in formulation
- Resistant to extreme pH
- Readily biodegradable

**Type:** non-ionic  
**Form:** liquid  
**Function:** solubilizer, hydrotropic agent, co-emulsifying  
**Dry extract:** 70 - 75%  
**100% bio-sourced**

## Optimized surfactant blends

### ORAMIX™ GB 10

Decyl Glucoside - Cocamidopropyl Betaine



The cold climate optimal blend

#### Benefits

- Compatible with all surfactants regardless the type

#### Sensorial profile

Abundant & stable foam

**Type:** non-ionic/amphoteric  
**Form:** liquid  
**Function:** foaming  
**Dry extract:** 40%

### ORONAL LCG E OD

PEG-40 Glyceryl Cocoate - Sodium Coceth Sulfate



Extreme mildness

#### Benefits

- Colorless & odorless surfactant
- Outstanding eye & skin tolerance
- Ideal for micellar water & facial cleansers
- Ideal for sensitive & fragile skin

#### Sensorial profile

Soft foam

**Type:** non-ionic/anionic  
**Form:** liquid  
**Function:** foaming  
**Dry extract:** 50%  
**Preservative free**

Classical surfactants & solubilizers

AMONYL™ 380 BA C

Cocamidopropyl Betaine



- Betaine
- Provides a fine foam that is stable over time
- Stabilizes & boosts the foam of anionic surfactants

Type: amphoteric  
Form: liquid  
Dry extract: 35%

Function: foaming  
Preservative free



AMONYL™ 675 SB

Cocamidopropyl Hydroxysultaine



- Sulfobetaine
- Substantivity enhanced at acidic pH values
- Provides light foam stable over time
- Good thickening synergy with anionic surfactants

Type: amphoteric  
Form: liquid  
Dry extract: 50%

Function: foaming

MONTANOX™ 20 DF

Polysorbate 20



- Excellent solubilizing agent

Type: non-ionic  
Form: liquid  
HLB: =16.7

Function: solubilizer,  
hydrophilic emulsifier

MONTANOX™ 80 VG DF

Polysorbate 80



- Solubilizing agent

Type: non-ionic  
Form: liquid  
HLB: =15

Function: solubilizer,  
hydrophilic emulsifier

SIMULSOL™ 1293

PEG-40 Hydrogenated Castor Oil



- Non-ionic solubilizing surfactant
- Solubilizer for essential oils preservatives & cosmetic active ingredients

Type: non-ionic  
Form: liquid to paste  
HLB: =14

Function: solubilizer  
Preservative free

SIMULSOL™ 220 TM

PEG-200 Glyceryl Stearate



- Non-ionic surfactant
- Thickener for foaming formulas
- Reduces irritation caused by SLES

Type: non-ionic  
Form: wax

Function: thickener  
Preservative free

SIMULSOL™ 98

Oleth-20



- Excellent solubilizing agent

Type: non-ionic  
Form: liquid  
HLB: =15.6

Function: solubilizer,  
hydrophilic emulsifier,  
lubricant  
Preservative free

Certifications & approvals legend: see p.73

Marine scrubs

FLAKES OF CHONDRUS CRISPUS

Chondrus Crispus Powder



Body modelling

Benefits  
• Visible red algae for SPA treatment

Nature  
Marine glitters

Solubility: dispersible  
Form: glitters  
Use level: 1 to 5%  
Function: exfoliating  
Preservative free



MICRO ALGUE 80

Diatomaceous Earth (Solum Diatomeae)



Renewing skin

Benefits  
• Gentle peeling agent

Sensorial profile  
• Soft

Nature  
Marine peeling

Solubility: dispersible  
Form: powder  
Use level: 2 to 5%  
Function: exfoliating  
Particle size: between 250 & 400 µ  
Preservative free

SEL GRAIN™

Sea Salt



Body purifying scrub

Benefits  
• Pure crystal for a body shape

Nature  
Salt of the sea

Solubility: water soluble  
Form: powder (crystals)  
Use level: 1 to 5%  
Function: exfoliating  
Particle size: <2 mm  
Preservative free



# Preservatives & boosters

# A-Z Index

## Preservatives

### SEPICIDE™ G

Glycerin - Ethyl Lauroyl Arginate HCl



The "natural & green" preservative

- Benefits**
- It presents a very large spectrum, efficacious at low levels, biodegradable, non irritant for eyes or skin
  - Ideal for sensitive & fragile skins
  - Large MIC & challenge tests values
  - Dermopurifier & strong dandruff regulation

**Solubility:** water soluble  
**Form:** liquid



### SEPICIDE™ HB

Phenoxyethanol - Methylparaben - Ethylparaben - Propylparaben - Butylparaben



- Benefits**
- Large activity spectrum against bacteria, yeasts & moulds

**Solubility:** lipodispersible  
**Form:** liquid

### SEPICIDE™ LD

Phenoxyethanol



- Benefits**
- Mostly active against bacteria
  - Mostly active against Gram- bacteria
  - Inactivated by highly ethoxylated compounds

**Solubility:** lipodispersible  
**Form:** liquid

## Boosters

### FLUIDIPURE™ 8G

Hexylene Glycol - Capryloyl Glycine - Xylitylglucoside



Preservative booster

- Benefits**
- Decreases the amount of conventional preservatives for a milder formulation!
  - Effective against bacteria, yeasts & moulds in a ready to use liquid form

**Solubility:** water soluble  
**Form:** liquid



### LIPACIDE™ C8G

Capryloyl Glycine



For self-preserved formulas

- Benefits**
- Helps to reinforce conventional preservative systems & is more adapted to the need of sensitive or fragile skins
  - Boosts protection of conventional preservative against bacteria, yeasts & moulds
  - Allows preservative-free formulas

**Solubility:** soluble in water above pH 5  
**Form:** powder

### LIPACIDE™ UG

Undecylenoyl Glycine
































































































































































































Preservative booster for sensitive skin






























































- Benefits**
- Helps to reinforce conventional preservative systems & is more adapted to the need of sensitive or fragile skins
  - Boosts protection of conventional preservative against bacteria, yeasts & moulds
  - Good synergy with LIPACIDE™ C8G for preservation boosting

**Solubility:** soluble in water above pH 7



















ADIPOLESS™ ECO	18, 28	1,3-Propanediol - Aqua/Water - Chenopodium Quinoa Seed Extract			MB		
ADIPOSIM™	28	Sorbitan Laurate - Lauroyl Proline			MB		
ALARIANE™ CV	31	Aqua/Water - Butylene Glycol* - Alaria Esculenta Extract *Plant-based & Renewable					
AMBIATY EXTRACT	6	Aqua/Water - Glycerin - Vernonia Appendiculata Leaf Extract					
AMBRE OCEANE™ SPE	6, 8	Aqua/Water - Pelvetia Canaliculata Extract					
AMBRE OCEANE™ 2C	6, 8	Aqua/Water - Pelvetia Canaliculata Extract					
AMONYL™ 380 BA C	64	Cocamidopropyl Betaine					
AMONYL™ 675 SB	64	Cocamidopropyl Hydroxysultaine					
ANTILEUKINE 6™	6, 13, 24	Caprylic/Capric Triglyceride - Laminaria Ochroleuca Extract			MB		
AQUAXYL™	22, 23	Xylitylglucoside - Anhydroxylitol - Xylitol					
ASPAR™ AGE™	6	Aqua/Water - Propanediol* - Asparagopsis Armata Extract *Plant-based & Renewable			MB		
BIOENERGIZER™ P BG PF	32	Aqua/Water - Butylene Glycol* - Panthenol - Propylene Glycol - Pelvetia Canaliculata Extract - Laminaria Digitata Extract *Plant-based & Renewable					
BIOPLASMA™ BG	9, 22	Aqua/Water - Butylene Glycol* - Plankton Extract** *Plant-based & Renewable **Plankton Origin: (species) Scenedesmus Obliquus					
BIOPLASMA™ FA	6, 11	Aqua/Water - Butylene Glycol* - Plankton Extract** - Arginine Ferulate *Plant-based & Renewable **Plankton Origin: (species) Scenedesmus Obliquus					
BIORESTORER™ PF	31	Aqua/Water - Butylene Glycol* - Hypnea Musciformis Extract *Plant-based & Renewable					
BLUE SEAKALE HC	31, 32	Aqua/Water - Butylene Glycol* - Crambe Maritima Leaf Extract *Plant-based & Renewable					
BLUE SEAKALE SC	13	Caprylic/Capric Triglyceride - Crambe Maritima Leaf Extract			MB		
CELTOSOME™ CRITHMUM MARITIMUM	7, 9, 16, 17, 24	Crithmum Maritimum Callus Culture Filtrate					
CELTOSOME™ ERYNGIUM MARITIMUM	7	Eryngium Maritimum Callus Culture Filtrate					
CERAMOSIDES™ HP	18, 21, 23, 25	Glycosphingolipids - Glycolipids					
CIRE DE LANOL CTO	49	Cetearyl Alcohol - Ceteareth-33			MB		
CODIAVELANE™ BG PF	22	Butylene Glycol* - Aqua/Water - Codium Tomentosum Extract *Plant-based & Renewable					
CONTACTICEL™	12, 19	Aqua/Water - Butylene Glycol* - Hydrolyzed Rhodophyceae Extract *Plant-based & Renewable					
EASYNOV™	48	Octyldodecanol - Octyldodecyl Xyloside - PEG-30 Dipolyhydroxystearate			MB		
EMBELIA EXTRACT	24	Glycerin - Aqua/Water - Embelia Concinnia Leaf Extract					
EMOGREEN™ C69	54	C15-19 Alkane* - Coco-Caprylate/Caprates *Plant-based & Renewable			MB		
EMOGREEN™ HP 40	54	C15-19 Alkane* - Hydrogenated Polyfarnesene* *Plant-based & Renewable					
EMOGREEN™ L15	54	C15-19 Alkane* *Plant-based & Renewable					

<b>EMOGREEN™ L19</b>	54	C15-19 Alkane* *Plant-based & Renewable	        
<b>EMOSMART™ C28</b>	54	C21-28 Alkane	   
<b>EMOSMART™ L15</b>	55	C13-15 Alkane	    
<b>EMOSMART™ L19</b>	55	C15-19 Alkane	    
<b>EMOSMART™ V21</b>	55	C18-21 Alkane	    
<b>EPHEMER™</b>	7, 11	Caprylic/Capric Triglyceride - Undaria Pinnatifida Extract	       
<b>EQUIBIOME™</b>	20	Propylene Glycol - Aqua/Water - Arctium Lappa Root Extract	    
<b>FLAKES OF CHONDRUS CRISPUS</b>	65	Chondrus Crispus Powder	    
<b>FLUIDANOV™ 20X</b>	48	Octyldodecanol - Octyldodecyl Xyloside	       
<b>FLUIDIFEEL™ EASY</b>	46	Lauryl Glucoside - Myristyl Glucoside - Polyglyceryl-6 Laurate	       
<b>FLUIDIPURE™ 8G</b>	19, 20, 33, 66	Hexylene Glycol - Capryloyl Glycine - Xylitylglucoside	     
<b>GULF STREAM SEA WATER™</b>	9	Sea Salt	      
<b>HETEROSIDES</b>	7	Centella Asiatica Leaf Extract	    
<b>HYDRACHRYSUM™</b>	22	Aqua/Water - Glycerin - Helichrysum Stoechas Callus Culture Lysate	     
<b>HYDRALIXIR™ CC</b>	29	Chondrus Crispus/Gigartina Stellata Water	     
<b>HYDRALIXIR™ LD</b>	29	Laminaria Digitata Water	     
<b>INULA HC</b>	31, 33	Caprylic/Capric Triglyceride - Inula Crithmoide Leaf/Flower Extract	      
<b>JUVENESSENCE™</b>	7, 12, 13	Caprylic/Capric Triglyceride - Alaria Esculenta Extract	       
<b>KALPARIANE™</b>	27	Caprylic/Capric Triglyceride - Alaria Esculenta Extract	       
<b>LANOL 14 M</b>	57	Myreth-3 Myristate	    
<b>LANOL 1688</b>	55	Cetearyl Ethylhexanoate	    
<b>LANOL 2681</b>	55	Coco-Caprylate/Caprate	      
<b>LANOL 37 T</b>	55	Triheptanoin	     
<b>LANOL 99</b>	56	Isononyl Isononanoate	    
<b>LANOL P ECAILLES</b>	57	Glycol Palmitate	     
<b>LIPACIDE™ C8G</b>	19, 20, 66	Capryloyl Glycine	      
<b>LIPACIDE™ UG</b>	19, 66	Undecylenoyl Glycine	    
<b>LUMIPOD™</b>	18	Isosorbide - Capryloyl/Capryloyl Leucine Isosorbide Esters	     
<b>MICRO ALGUE 80</b>	65	Diatomaceous Earth	    
<b>MADECASSOSIDE</b>	24	Madecassoside	   
<b>MONTANE™ 20</b>	48	Sorbitan Laurate	  
<b>MONTANE™ 481 VG</b>	48	Sorbitan Oleate - Beeswax - Hydrogenated Castor Oil - Stearic Acid	   





































































































































Certifications & approvals legend: see p.71

<b>MONTANE™ 60</b>	48	Sorbitan Stearate	   
<b>MONTANE™ 70</b>	48	Sorbitan Isostearate	   
<b>MONTANE™ 83 VG</b>	48	Sorbitan Sesquioleate	   
<b>MONTANOV™ 14</b>	46, 57	Myristyl Alcohol - Myristyl Glucoside	      
<b>MONTANOV™ 202</b>	46	Arachidyl Alcohol - Behenyl Alcohol - Arachidyl Glucoside	      
<b>MONTANOV™ 68 MB</b>	46	Cetearyl Alcohol - Cetearyl Glucoside	       
<b>MONTANOV™ 82</b>	46	Cetearyl Alcohol - Coco-Glucoside	      
<b>MONTANOV™ L</b>	47	C14-22 Alcohols - C12-20 Alkyl Glucoside	      
<b>MONTANOV™ S</b>	47	Coco-Glucoside - Coconut Alcohol	      
<b>MONTANOX™ 20 DF</b>	49, 64	Polysorbate 20	 
<b>MONTANOX™ 60 DF</b>	49	Polysorbate 60	  
<b>MONTANOX™ 80 VG DF</b>	49, 64	Polysorbate 80	 
<b>NATIVE ESSENCE™</b>	12, 17	Caprylic/Capric Triglyceride - Crithmum Maritimum Extract	      
<b>OLEAPHYCOL FV</b>	29	Caprylic/Capric Triglyceride - Fucus Vesiculosus Extract	    
<b>OLIGOGELINE™ PF</b>	12, 22	Aqua/Water - Chondrus Crispus Extract	   
<b>ORAMIX™ CG 110</b>	63	Caprylyl/Capryl Glucoside	      
<b>ORAMIX™ GB 10</b>	63	Decyl Glucoside - Cocamidopropyl Betaine	    
<b>ORAMIX™ L 30</b>	62	Sodium Lauroyl Sarcosinate	    
<b>ORAMIX™ NS 10</b>	63	Decyl Glucoside	       
<b>ORONAL LCG E OD</b>	63	Peg-40 Glyceryl Cocoate - Sodium Coceth Sulfate	    
<b>PHYCOCORAIL™</b>	13, 58	Lithothamnion Calcareum Powder - Mannitol - Diatomaceous Earth - Zinc Sulfate	   
<b>PROTEOL™ APL EF</b>	62	Sodium Cocoyl Apple Amino Acids	    
<b>PROTEOL™ OAT PF</b>	62	Sodium Lauroyl Oat Amino Acids	    
<b>ROSABORA™</b>	25	Tambourissa Trichophylla Leaf Extract	 
<b>SAKADIKIUM™</b>	12, 13, 17	Glycerin - Aqua/Water - Hedychium Coronarium Root Extract	   
<b>SCULPTOSANE™</b>	27	Aqua/Water - Butylene Glycol - Plankton Extract* - Arginine Ferulate *Plankton Origin: (species) Scenedesmus Obliquus	   
<b>SEA LAVENDER HC</b>	31, 33	Aqua/Water - Butylene Glycol - Limonium Gerberi Extract *Plant-based & Renewable	    
<b>SEA LAVENDER SC</b>	8, 13	Caprylic/Capric Triglyceride - Limonium Gerberi Extract	     
<b>SEA MAYWEED SC</b>	25	Aqua/Water - Tripleurospermum Maritimum Extract	 



<b>SEA STARWORT OIL</b>	25	Caprylic/Capric Triglyceride - Aster Tripolium Extract	      
<b>SEL GRAIN™</b>	65	Sea Salt	      
<b>SENSANOV™ WR</b>	49	C20-22 Alkyl Phosphate - C20-22 Alcohols	   
<b>SEPIBLISS™ FEEL</b>	26	Coriandrum Sativum (Coriander) Seed Oil	    
<b>SEPICALM™ SWP</b>	23, 25, 26	Sodium Cocoyl Amino Acids - Sarcosine - Potassium Aspartate - Magnesium Aspartate	    
<b>SEPICALM™ VG WP</b>	16	Sodium Palmitoyl Proline - Nymphaea Alba Flower Extract	    
<b>SEPICAP™ MP</b>	32, 33	Sodium Cocoyl Amino Acids - Potassium Dimethicone PEG-7 Panthenyl Phosphate	    
<b>SEPICIDE™ G</b>	34, 66	Glycerin - Ethyl Lauroyl Arginate HCl	    
<b>SEPICIDE™ HB</b>	66	Phenoxyethanol - Methylparaben - Ethylparaben - Propylparaben - Butylparaben	 
<b>SEPICIDE™ LD</b>	66	Phenoxyethanol	  
<b>SEPICLEAR G7™</b>	63	Heptyl Glucoside	   
<b>SEPICONTROL™ A5</b>	19, 20	Capryloyl Glycine - Sarcosine - Cinnamomum Zeylanicum Bark Extract	    
<b>SEPIFEEL™ ONE</b>	57	Palmitoyl Proline - Magnesium Palmitoyl Glutamate - Sodium Palmitoyl Sarcosinate	    
<b>SEPIFINE™ BB</b>	58	Amylopectin	   
<b>SEPIGEL 305™</b>	40	Polyacrylamide - C13-14 Isoparaffin - Laureth-7	    
<b>SEPI LIFE™ G305</b>	39	Acrylamide/Sodium Acryloyldimethyl Taurate Copolymer - C15-19 Alkane* - Polyglyceryl-10 Laurate* - Polyglycerin-10* *Plant-based & Renewable	   
<b>SEPI LIFE™ NUDE</b>	39	Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer - C15-19 Alkane* - Polyglyceryl-6 Laurate* - Polyglycerin-6* *Plant-based & Renewable	    
<b>SEPI LIFT™ DPHP</b>	7, 8, 11, 27	Dipalmitoyl Hydroxyproline	     
<b>SEPI MAT™ CP 5</b>	58	Methyl Methacrylate Crosspolymer	   
<b>SEPI MAT™ H10 FW</b>	58	Methyl Methacrylate Crosspolymer - Squalane	  
<b>SEPI MAT™ HB V</b>	58	Methyl Methacrylate Crosspolymer	  
<b>SEPI MAT™ P</b>	59	Polymethyl Methacrylate	  
<b>SEPI MAT™ SB</b>	59	Methyl Methacrylate Crosspolymer	  
<b>SEPI MAX ZEN™</b>	40	Polyacrylate Crosspolymer-6	  
<b>SEPI NOV™ EMT 10</b>	40	Hydroxyethyl Acrylate/Sodium Acryloyldimethyl Taurate Copolymer	    
<b>SEPI NOV™ P88</b>	40	Sodium Acrylate/Acryloyl Dimethyltaurate/Dimethylacrylamide Crosspolymer	    
<b>SEPI NOV™ WEO</b>	40	Hydroxyethyl Acrylate/Sodium Acryloyldimethyl Taurate Copolymer	   
<b>SEPI PLUS™ 265</b>	41	Acrylamide/Ammonium Acrylate Copolymer - Polyisobutene - Polysorbate 20	    
<b>SEPI PLUS™ 400</b>	41	Polyacrylate-13 - Polyisobutene - Polysorbate 20	  
<b>SEPI PLUS™ K</b>	41	Polyacrylate-13 - Hydrogenated Polyisobutene - Polyglyceryl-10 Laurate* *Plant-based & Renewable	   
<b>SEPI PLUS™ S</b>	41	Hydroxyethyl Acrylate/Sodium Acryloyldimethyl Taurate Copolymer - Polyisobutene - PEG-7 Trimethylolpropane Coconut Ether	    

Certifications & approvals legend: see p.71

<b>SEPI TONIC™ M3.0</b>	10, 11, 12	Magnesium Aspartate - Zinc Gluconate - Copper Gluconate	    
<b>SEPI WHITE™ MSH</b>	16	Undecylenoyl Phenylalanine	    
<b>SEPI WHITE™ MSH QD</b>	16	Undecylenoyl Phenylalanine	     
<b>SIMULGEL™ 600</b>	41	Acrylamide/Sodium Acryloyldimethyltaurate Copolymer - Isohexadecane - Polysorbate 80	   
<b>SIMULGEL™ EG</b>	41	Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer - Isohexadecane - Polysorbate 80	   
<b>SIMULGEL™ EG QD</b>	42	Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer - Isohexadecane - Polysorbate 80	    
<b>SIMULGEL™ EPG</b>	42	Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer - Polyisobutene - Caprylyl/Capryl Glucoside* *Plant-based & Renewable	    
<b>SIMULGEL™ FL</b>	42	Hydroxyethyl Acrylate/Sodium Acryloyldimethyl Taurate Copolymer - Isohexadecane - Polysorbate 60	    
<b>SIMULGEL™ INS 100</b>	42	Hydroxyethyl Acrylate/Sodium Acryloyldimethyl Taurate Copolymer - Isohexadecane - Polysorbate 60	    
<b>SIMULGEL™ NS</b>	39	Hydroxyethyl Acrylate/Sodium Acryloyldimethyl Taurate Copolymer - Squalane* - Polysorbate 60 *Plant-based & Renewable	    
<b>SIMULGEL™ SMS 88</b>	42	Sodium Acrylate/Acryloyldimethyltaurate/Dimethylacrylamide Crosspolymer - Isohexadecane - Polysorbate 60	    
<b>SIMULQUAT™ HC 305</b>	43	Acrylamidopropyltrimonium Chloride/Acrylates Copolymer - Isohexadecane - Coceth-7	    
<b>SIMULSOL™ 1293</b>	64	PEG-40 Hydrogenated Castor Oil	   
<b>SIMULSOL™ 165</b>	50	PEG-100 Stearate - Glyceryl Stearate	    
<b>SIMULSOL™ 220 TM</b>	64	PEG-200 Glyceryl Stearate	   
<b>SIMULSOL™ 58</b>	50	Ceteth-20	   
<b>SIMULSOL™ 98</b>	50, 64	Oleth-20	   
<b>SIMULSOL™ CS ECAILLES</b>	50	Ceteareth-33	    
<b>SOLAGUM™ AX</b>	38	Acacia Senegal Gum - Xanthan Gum	     
<b>SOLAGUM™ TARA</b>	38	Caesalpinia Spinosa Gum	    
<b>SPIRULINE AP</b>	29	Aqua/Water - Butylene Glycol - Spirulina Platensis Extract	   
<b>SUBLIGANA™</b>	20, 21	Glycerin - Aqua/Water - Harungana Madagascariensis Extract	    
<b>SUPERPHYCO-D™ BG PF</b>	29	Aqua/Water - Butylene Glycol - Fucus Vesiculosus Extract	    
<b>TALADVANCE™</b>	17, 18, 21	Glycerin - Aqua/Water - Centella Asiatica Leaf Extract	    
<b>TECA</b>	9, 11, 24, 27	Asiaticoside - Madecassic Acid - Asiatic Acid TECA: Titrated Extract of Centella Asiatica	    
<b>THALASSINE 2™</b>	8	Aqua/Water - Tripleurospermum Maritimum Extract	   
<b>TIMECODE™</b>	8, 17	Palmitoyl Glycine	    
<b>VOLUFORM™</b>	8, 9, 13, 27	Palmitoyl Isoleucine	    
<b>XYLISHINE™</b>	32	Xylitylglucoside - Anhydroxylitol - Maltitol - Xylitol - Pelvetia Canaliculata Extract	   

Certifications & approvals legend: see p.71

# Abreviation list

<b>αSMA</b>	<i>alpha smooth muscle actin</i>
<b>AGE</b>	<i>advanced glycation end products</i>
<b>AHA</b>	<i>alpha hydroxyacid</i>
<b>AQP</b>	<i>aquaporin</i>
<b>ATP</b>	<i>adenosine triphosphate</i>
<b>BG</b>	<i>butylene glycol</i>
<b>BIP</b>	<i>binding immunoglobulin protein</i>
<b>CAMP</b>	<i>cyclic adenosine monophosphate</i>
<b>CHOP</b>	<i>C/EBP homologous protein</i>
<b>COL or COLL</b>	<i>collagen</i>
<b>COX</b>	<i>cyclooxygenase</i>
<b>DEJ</b>	<i>dermo-epidermal junction</i>
<b>DNA</b>	<i>desoxyribonucleic acid</i>
<b>ECM</b>	<i>extracellular matrix</i>
<b>EDNRB</b>	<i>endothelin receptor type B</i>
<b>GAG</b>	<i>glycoaminoglycan</i>
<b>HBD</b>	<i>human beta defensin</i>
<b>HSD</b>	<i>hydro swelling droplets</i>
<b>IFN</b>	<i>interferon</i>
<b>IL</b>	<i>interleukine</i>
<b>IR</b>	<i>infra-red</i>
<b>KLK</b>	<i>kallikrein</i>
<b>LTB4</b>	<i>leukotriene B4</i>
<b>MDA</b>	<i>malondialdehyde</i>
<b>MIC</b>	<i>minimal inhibitory concentration</i>
<b>MIC1</b>	<i>macrophage inhibitory cytokine 1</i>
<b>MITF</b>	<i>microphthalmia associated transcription factor</i>

<b>MMF</b>	<i>marine moisturizing factor</i>
<b>MMP</b>	<i>matrix metalloproteinase</i>
<b>mTOR</b>	<i>mechanistic target of rapamycin</i>
<b>NFκB</b>	<i>nuclear factor kappa B</i>
<b>NMF</b>	<i>natural moisturizing factor</i>
<b>O/W</b>	<i>oil in water</i>
<b>PALGLY</b>	<i>palmitoyl glycine</i>
<b>PAR2</b>	<i>proteinase activated receptor 2</i>
<b>PASI</b>	<i>psoriasis area severity index</i>
<b>PEG</b>	<i>polyethylene glycol</i>
<b>PG</b>	<i>prostaglandin</i>
<b>PGE</b>	<i>prostaglandin E</i>
<b>PMMA</b>	<i>polymethylmethacrylate</i>
<b>ROS</b>	<i>reactive oxygen species</i>
<b>SKALP</b>	<i>skin derived antileukoprotease</i>
<b>SPA</b>	<i>sana per aquam (health thanks to water)</i>
<b>TEWL</b>	<i>trans-epidermal water loss</i>
<b>THBS</b>	<i>thrombospondin</i>
<b>TIMP</b>	<i>tissue inhibitor of metalloproteinase</i>
<b>TNF</b>	<i>tumor necrosis factor</i>
<b>TRP</b>	<i>tyrosinase related protein</i>
<b>TSP1</b>	<i>thrombospondin 1</i>
<b>UV</b>	<i>ultra-violet</i>
<b>UVA</b>	<i>ultra-violet A</i>
<b>UVB</b>	<i>ultra-violet B</i>
<b>VEGF</b>	<i>vascular endothelial growth factor</i>
<b>W/O</b>	<i>water in oil</i>

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# Legend

## FUNCTION




	<b>Active Ingredients</b>		<b>Sensory Ingredients</b>
	<b>Emulsifiers</b>		<b>Functional Additives</b>
	<b>Polymeric Thickeners &amp; Stabilizers</b>		

## CERTIFICATIONS & APPROVALS

	<b>CHINA Compliant:</b> all INCI names are listed on the 2021 IECIC list.
	<b>QD Additive:</b> approved as QD additive in Japan.
	<b>NATRUE Approved:</b> raw material approved according to NATRUE Standard.
	<b>COSMOS Approved:</b> raw material verified by ECOCERT GREENLIFE, conform to the COSMOS Standard.

**MB**

**MassBALANCE Certified:** supplied under MassBalance certification BVC-RSPO-1-1972708497. Contributes to the production of certified sustainable palm oil.

	<b>VEGAN Suitability</b> assessed according to Seppic Vegan criteria: <ul style="list-style-type: none"><li>• not manufactured using derived animal raw materials or processing aids,</li><li>• does not come into direct contact with material from animal origin at any stage of the manufacturing process,</li><li>• is not tested on animals in terms of regulation (EC) No.1223/2009 of the european parliament and of the council of 30 November 2009 on cosmetic products - Chapter V - Art.18.</li></ul>
	<b>HALAL Certified:</b> raw material certified by HCS organism, officially recognized by the highest Halal authorities including MUI (Indonesia), JAKIM (Malaysia), MUIS (Singapore) and CICOT (Thailand).
	<b>NATURALITY Profile:</b> naturality profile according to ISO 16128 norm, is available upon request (NOC: Natural Origin Content).

		
NOC ≤50%	NOC >50%	NOC >99%



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\*Seppic being:

#### Seppic S.A. - Paris

FRANCE  
Tel.: +33 (0)1 42 91 40 00  
info.seppic@airliquide.com

#### Seppic S.A. - Castres

FRANCE  
Tel.: +33 (0)5 63 72 69 69  
Fax: +33 (0)5 63 72 69 70

#### Seppic S.A. - Pontrioux

FRANCE  
Tel.: +33 (0)2 96 95 31 32  
contact.biotechmarine@airliquide.com

#### Seppic S.A. - Lons

FRANCE  
Tel.: +33 (0)5 59 13 04 20  
contact-serdex@airliquide.com

#### Seppic S.A. - Villers-sur-Fère

FRANCE  
Tel.: +33 (0)1 42 91 40 00  
info.seppic@airliquide.com

#### UNITED STATES - Seppic Inc.

UNITED STATES  
Tel.: +1 973 882 5597  
us.seppic@airliquide.com

#### UNITED STATES - Polykon Manufacturing LLC

UNITED STATES  
Tel.: +1 804 624 9057  
sharon.harper@airliquide.com

#### BRASIL - Seppic Brasil EQCI Ltda

BRASIL  
Tel.: +55 11 3252 3911  
brasil.seppic@airliquide.com

#### COLOMBIA - Seppic Colombia SAS

COLOMBIA  
Tel.: +571 702 44 48  
colombia.seppic@airliquide.com

#### GERMANY - Seppic GmbH

GERMANY  
Tel.: +49 (0)221 888824 0  
germany.seppic@airliquide.com

#### ITALY - Seppic Italia Srl

ITALY  
Tel.: +39 02 38009110  
italy.seppic@airliquide.com

#### POLAND - Seppic Office

POLAND  
Tel.: +48 22 11 60 759  
poland.seppic@airliquide.com

#### INDIA - Air Liquide India Holding Pvt Ltd

INDIA  
Tel.: +91 22 61046464  
india.seppic@airliquide.com

#### SINGAPORE - Seppic Office

SINGAPORE  
Tel.: +65 6378 5213  
singapore.seppic@airliquide.com

#### KOREA - Seppic Office

Seoul, KOREA 06168  
Tel.: +82-2-3019-2569  
korea.seppic@airliquide.com

#### JAPAN - Seppic Office

JAPAN  
Tel.: +81 3 6414 6725  
japan.seppic@airliquide.com

#### CHINA - Seppic Shanghai Chemical Specialities Co.

CHINA  
Tel.: +86 (21) 64 66 01 49  
china.seppic@airliquide.com

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