Inspiration, Innovation.
Connection, everything.
with Passion.

By your side throughout the world, SEPPIC Beauty Care imagines & develops ingredients for Active Beauty (Proven efficacy & attractive concepts) and for Sensorial Beauty (Unique performances & creative textures), to inspire the cosmetics of tomorrow.
Corporate Social Responsibility

The 3 pillars of our CSR policy

OUR VISION:
We are a designer of specialty ingredients for health & beauty care Recognized for our proximity & reliability, we inspire our customers with boldness & a unique combination of expertise As a subsidiary of Air Liquide Healthcare, we contribute to prevention & well-being in the continuum of care through sustainable innovation

OUR PRINCIPLES:
Ensure our performance over the long term by acting responsibly on a daily basis Continue to improve our operational excellence Integrate social & environmental aspects into our decision-making processes

INNOVATION
Our 2020 objective:
100% of our New Products bring at least one Environmental or Health benefit
Design new product with at least one environmental or health benefit for people, regarding one of the following criterias:
- Raw materials, renewable, bio-sourced or sustainably sourced or derived from green chemistry, sustainability of procurement
- Manufacture product according to green chemistry principles
- Customer’s process with a lower environmental impact (lower consumption of energy or water, lower waste level, lower CO₂ emission)
- Reduction of the environmental footprint of the product at end of life, with lower environmental toxicity or better biodegradability
- Improvement of health by key function of the product

ENVIRONMENTAL
Our 2020 objective:
-20% on the Impact of our Manufacturing Plants vs the 2012 baseline
-20% reduction of CO₂ emission
-20% reduction of Energy consumption
-20% reduction of Water consumption
-20% reduction of Waste

SOCIAL & SOCIETAL
Our 2020 objectives:
Develop our Employees Sustainably
- Commit to safety and occupational health & well being
- Encourage lifelong learning & development to ensure employability
- Value diversity & create a culture of inclusion

Involve all SEPPIC entities around the globe to support the Communities we live & work in
- Commit to involve each entity of SEPPIC in a community project wherever in the world

Involve our Stakeholders into our Sustainable Dynamics
- Being ethical in doing business
- Evaluate & select all strategic suppliers based on social & environmental performance
- Support sustainable palm transformation

Welfare projects in Madagascar: to date, more than 80 school classrooms built for about 2450 children.
Our Technologies

With POLYMER SCIENCE
SEPPIC Beauty Care re-invents formulation

SEPPIC Beauty Care develops performing high molecular weight rheology modifiers, focusing on crosslinked and/or branched polyelectrolytes. Playing on inverse latex or precipitation polymerization technologies as well as experience with natural gums gives rise to a robust liquid & powder polymer range.

- Our expertise in inverse latex radical polymerization, referred to as Hydro-Swelling Droplets technology, flourishes through a complete and powerful polymer offer, at the root of the revolutionized cold processable cream-gel textures.

- Glycolipids leading performance in emulsions with a complete palette of textures & sensorial profiles, a variety of vegetable origins & proven benefits from liquid crystals structures.

- AMINOVECTOR™ (amino acid grafted on a vegetal-based fatty chain) are at the source of life and at the root of beauty. They bring you a full range of clinically proven efficient active ingredients.

- Functionalized sugars, naturally present in human beings, are key molecules for cell communication. They are involved in skin barrier repair, maintenance & also in vital skin water reserves.

- Mineral concepts deliver essential minerals involved in the cell metabolism, grafted on smart vegetal-based anions.

With PLANT-BASED CHEMISTRY
SEPPIC Beauty Care eco-designs responsible chemistry

SEPPIC Beauty Care, as an expert in sugar & aminoacids chemistry, combines raw materials in full conformity with the principles of Green Chemistry, to offer you efficient plant-based ingredients.

- Glycolipids leading performance in emulsions with a complete palette of textures & sensorial profiles, a variety of vegetable origins & proven benefits from liquid crystals structures.

- AMINOVECTOR™ (amino acid grafted on a vegetal-based fatty chain) are at the source of life and at the root of beauty. They bring you a full range of clinically proven efficient active ingredients.

- Functionalized sugars, naturally present in human beings, are key molecules for cell communication. They are involved in skin barrier repair, maintenance & also in vital skin water reserves.

- Mineral concepts deliver essential minerals involved in the cell metabolism, grafted on smart vegetal-based anions.

With BOTANICAL EXTRACTION
SEPPIC Beauty Care commits to you for human well-being

SEPPIC Beauty Care strengthens his activity in the field of botanical extraction through the acquisition of SERDEX.

SERDEX is a specialist in ethical Malagasy purified plant extracts, mastering his own responsible supply chain with more than 20 years of ethnobotanical expertise.

- Our advanced extraction techniques give rise to highly purified & titrated extracts, historically from Centella Asiatica species.

- Our phytochemical expertise allows to identify & characterize the bioactive phyto-molecules that are key to ensure traceability & guarantee extracts quality (terpenes, genins, polyphenols, flavonoids…).

- Our range of titrated extracts are ideal for dermato-beauty applications in accordance with significant clinical effects targeting dedicated skin.

With BIOTECHMARINE
SEPPIC Beauty Care connects you to magical marine actives

BiotechMarine explores a large field of marine sources, using algae & plant extractions as well as biotechnologies.

Plant & algae cell culture biotechnologies highly reduces natural resources harvest, in a strong commitment to our biodiversity preservation strategy.

- CELEBRITY™ technology offers active ingredients from macroalgae cell cultures, opening innovative design possibilities, unreachable using classical extraction techniques.

- CELTOSOME™ technology, based on dedifferentiated plant cells culture, gives access to greatest diversity of both lipo & hydrosoluble metabolites in comparison to native plant extracts.

- Algae & plant extracts: BiotechMarine has a direct connexion to fresh Brittany sources & implements field cultivation methods for protected species. Our natural supply chain is fully compliant with our RSE policy.

With POLYMER SCIENCE
SEPPIC Beauty Care re-invents formulation

SEPPIC Beauty Care develops performing high molecular weight rheology modifiers, focusing on crosslinked and/or branched polyelectrolytes. Playing on inverse latex or precipitation polymerization technologies as well as experience with natural gums gives rise to a robust liquid & powder polymer range.

- Our expertise in inverse latex radical polymerization, referred to as Hydro-Swelling Droplets technology, flourishes through a complete and powerful polymer offer, at the root of the revolutionized cold processable cream-gel textures.

- Glycolipids leading performance in emulsions with a complete palette of textures & sensorial profiles, a variety of vegetable origins & proven benefits from liquid crystals structures.

- AMINOVECTOR™ (amino acid grafted on a vegetal-based fatty chain) are at the source of life and at the root of beauty. They bring you a full range of clinically proven efficient active ingredients.

- Functionalized sugars, naturally present in human beings, are key molecules for cell communication. They are involved in skin barrier repair, maintenance & also in vital skin water reserves.

- Mineral concepts deliver essential minerals involved in the cell metabolism, grafted on smart vegetal-based anions.

With PLANT-BASED CHEMISTRY
SEPPIC Beauty Care eco-designs responsible chemistry

SEPPIC Beauty Care, as an expert in sugar & aminoacids chemistry, combines raw materials in full conformity with the principles of Green Chemistry, to offer you efficient plant-based ingredients.

- Glycolipids leading performance in emulsions with a complete palette of textures & sensorial profiles, a variety of vegetable origins & proven benefits from liquid crystals structures.

- AMINOVECTOR™ (amino acid grafted on a vegetal-based fatty chain) are at the source of life and at the root of beauty. They bring you a full range of clinically proven efficient active ingredients.

- Functionalized sugars, naturally present in human beings, are key molecules for cell communication. They are involved in skin barrier repair, maintenance & also in vital skin water reserves.

- Mineral concepts deliver essential minerals involved in the cell metabolism, grafted on smart vegetal-based anions.

With BOTANICAL EXTRACTION
SEPPIC Beauty Care commits to you for human well-being

SEPPIC Beauty Care strengthens his activity in the field of botanical extraction through the acquisition of SERDEX.

SERDEX is a specialist in ethical Malagasy purified plant extracts, mastering his own responsible supply chain with more than 20 years of ethnobotanical expertise.

- Our advanced extraction techniques give rise to highly purified & titrated extracts, historically from Centella Asiatica species.

- Our phytochemical expertise allows to identify & characterize the bioactive phyto-molecules that are key to ensure traceability & guarantee extracts quality (terpenes, genins, polyphenols, flavonoids…).

- Our range of titrated extracts are ideal for dermato-beauty applications in accordance with significant clinical effects targeting dedicated skin.

With BIOTECHMARINE
SEPPIC Beauty Care connects you to magical marine actives

BiotechMarine explores a large field of marine sources, using algae & plant extractions as well as biotechnologies.

Plant & algae cell culture biotechnologies highly reduces natural resources harvest, in a strong commitment to our biodiversity preservation strategy.

- CELEBRITY™ technology offers active ingredients from macroalgae cell cultures, opening innovative design possibilities, unreachable using classical extraction techniques.

- CELTOSOME™ technology, based on dedifferentiated plant cells culture, gives access to greatest diversity of both lipo & hydrosoluble metabolites in comparison to native plant extracts.

- Algae & plant extracts: BiotechMarine has a direct connexion to fresh Brittany sources & implements field cultivation methods for protected species. Our natural supply chain is fully compliant with our RSE policy.
Our expertise in molecular, cell & skin biology together with our deep expertise of physiochemistry & textures, brings you active formulations through a holistic approach that have proven & perceived efficacy.
Anti-aging

Firmness & Wrinkles

AMBIATY EXTRACT
Aqua/Water - Glycerin - Semen Anabasisodiolus Leaf Extract

Benefits on volunteers
• Total surface area of wrinkles: -16%
• Number of wrinkles: -15%
• Average depth wrinkles: -5%

Mode of action
• Anti-Wrinkles: -22%

Nature
Trained leaf extract of Ambiaty

Form: liquid
Use level: 5% to 1%
Preservative free

AMBRE OCEANE™ SPE
Aqua/Water - Pelvetia Canaliculata Extract

Benefits on volunteers
• Total surface area of wrinkles: -16%
• Number of wrinkles: -15%
• Average depth wrinkles: -5%

Mode of action
• Anti-Wrinkles: -22%

Nature
Sea alga

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

Other versions available:
AMBRE OCEANE™ TM

ANTILEUKINE 6™
Carthamus Tinctorius - Laminaria Ochroleuca Extract

Benefits on volunteers
• Wrinkle depth: -9% after 2 months
• Firmness: self evaluation
• In vivo: immediate soothing effect after 24h

Mode of action
• Collagen: +30%
• GAG: +30%
• Anti-MMP 1: -31%, 2: -28%, 3: -31%, 9: -35%

Nature
Golden seaweed

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

ASIATICOSIDE
A unique molecule for skin firming

Anastosside

Mode of action
• Fibroblasts migration: +41%
• Soothing IL-1 (-60%)
• ECM protection (MMP-1: -72%)

Nature
Highly pure asiaticoside from Centella (≥ 95%)

Form: powder
Use level: 0.1 to 0.5%
Preservative free

ASPAR’AGE™
A new healthy aging approach

Aqua/Water - Paparosides™ - Asparagus officinalis Extract

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 Asparagus officinalis seaweed that contains Macrocystine-like aminoacids (MMA)

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

BIOPLASMA™ FA
Combine desert & ocean strengths

Aqua/Water - Plantolin Glucos® - Plantolin Extract® - -Argireline Peptide

Benefits on volunteers
• 15% wrinkles depth at D28 vs D0
• Skin is perceived younger by people

Mode of action
• DEJ structuration: Collagen IV (ex-vivo: +24%)
• ECM protection: Integrin

Nature
Desert microalgae

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

Our dedicated brand delivering vibrant stories, active ingredients with science & personalized support

wesourcebeauty.com

Anti-aging care sourced from a malagasy endemic plant

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

Nature
Trained leaf extract of Ambiaty

Form: liquid
Use level: 5% to 1%
Preservative free

Global anti-aging & defense shield

Benefits on volunteers
• Wrinkle depth: -9% after 2 months
• Firmness: self evaluation
• In vivo: immediate soothing effect after 24h

Mode of action
• Collagen: +30%
• GAG: +30%
• Anti-MMP 1: -31%, 2: -28%, 3: -31%, 9: -35%

Nature
Golden seaweed

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

A unique molecule for skin firming

Mode of action
• Fibroblasts migration: +41%
• Soothing IL-1 (-60%)
• ECM protection (MMP-1: -72%)

Nature
Highly pure asiaticoside from Centella (≥ 95%)

Form: powder
Use level: 0.1 to 0.5%
Preservative free

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 Asparagus officinalis seaweed that contains Macrocystine-like aminoacids (MMA)

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

Combine desert & ocean strengths

Benefits on volunteers
• 15% wrinkles depth at D28 vs D0
• Skin is perceived younger by people

Mode of action
• DEJ structuration: Collagen IV (ex-vivo: +24%)
• ECM protection: Integrin

Nature
Desert microalgae

Solubility: water soluble
Form: liquid
Use level: 1%
Preservative free
COSMOS
The weapon against aging

SKIN MYORELAXANT

Mode of action
- Reduced muscle contractions
- Protects skin against free radicals
- Stimulates GAG & collagen production

Nature
- Sea chamomile
- Nature

Solubility: Water-soluble
Form: Liquid
Use level: 1%
Preservation free

COSMETICS
APPROVED
NATURALITY PROFILE
AVAILABLE
HALAL
CERTIFIED

TIMECODE™
Palmityl Glycine

Benefits on volunteers
- Reduced visible wrinkle on 78% of volunteers
- Reduced visible wrinkle on 62 days vs placebo

Mode of action
- Stabilizes the key aging markers (interleukin-6, tenacin-C, C-reactive protein & VEGF)
- Flips the role of dermal architect

Nature
- RNA, the blue molecule

Solubility: Amphiphilic
Form: Powder
Use level: 1%
Preservation free

VOLUMFIRM™
Palmityl Isoleucine

Benefits on volunteers
- Deep wrinkles: -39% after 42 days vs placebo
- 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 two hours

Mode of action
- Plays the role of dermis architect
- Activates connexin 43 for cell communication

Nature
- Immortal blue

Solubility: Water-soluble
Form: Liquid
Use level: 1%
Preservation free

AMBRE OCEANE™ SPE
Aqua/Water - PalmitoIsoleucine Aminovector Extract

Mode of action
- GAG: +9%
- Hyaluronic acid: +26%
- Collagen III: +24%

Nature
- Sea amber

Solubility: Water-soluble
Form: Liquid
Use level: 1%

KALPARIANE™
CarophylCapric Topopyrone - Alaria Esculenta Extract

Benefits on volunteers
- Self evaluation: Improved firmness: +30%

Mode of action
- Increases the dynamic interactions between fibroblasts & the dermal matrix: reorganization of dermis in only two hours
- Protects cells from free radicals: +19% catalase
- Mitochondrial DNA protection: +63% aconitase

Nature
- The Arctic winged kelp

Solubility: Amphiphilic
Form: Powder
Use level: 1%
Preservation free

SEA LAVENDER SC
CarophylCapric Topopyrone - Limonium Gerberi Extract

Benefits on volunteers
- Moisturizing effect
- 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 two hours
- Deep wrinkles: -39% after 42 days vs placebo
- 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 two hours
- Reduces visible wrinkles on 78% of volunteers

Mode of action
- Plays the role of dermis architect
- Activates connexin 43 for cell communication

Nature
- Immortal blue

Solubility: Water-soluble
Form: Liquid
Use level: 1%
Preservation free

SEPILIFT DPH
Dipalmitoyl Hydroxyproline

The weapon against aging

Benefits on volunteers
- Total wrinkle surface: -22% after 42 days vs placebo

Mode of action
- Stimulates collagen fiber contraction
- Protects dermal supporting tissue (protection of vessels, anti-WM’s action, pro-TM’s)

Nature
- Hyaluronic Aminovector™

Solubility: Amphiphilic
Form: Powder
Use level: 1%
Preservation free

JUVENESSENCE™
Carophyl/Capric Topopyrone - Undaria Penicillata Extract

Reverse age!

Benefits on volunteers
- After 1 month use:
- Elasticity: +20%
- Firmness: +25%
- Self evaluation: improves firmness: 50%
- Decreases the depth of wrinkles: 60% of volunteers

Mode of action
- Activates connexin 43 for cell communication

Nature
- The Arctic winged kelp

Solubility: Soluble
Form: Liquid
Use level: 1%
Preservation free

MARINE RESEARCH
CREDITS
BOOK&CLAIM
NATRUE
APPROVED
NATURALITY PROFILE
AVAILABLE
HALAL
CERTIFIED

THALASSINE 2™
Glycerin - Tyrosinealginat Maritimium Extract

Skin myorelaxant

Mode of action
- Reduced muscle contractions
- Protects skin against free radicals
- Stimulates GAG & collagen production

Nature
- Sea chelone

Solubility: Water-soluble
Form: Liquid
Use level: 1%
Preservation free

Ephemeral sourcing for anti-aging

Benefits on volunteers
- Reinforces the antioxidant capacity of the skin sebum

Mode of action
- Mitochondrial DNA protection: +63% sirtuinase
- Protects cells from free radicals: +19% sirtuinase

Nature
- Ephemeral cells in the lifecycle of macroalgae

Solubility: Soluble
Form: Liquid
Use level: 1%
Preservation free

EPHEMER™
Carophyl/Capric Topopyrone - Undaria Penicillata Extract

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: +5% mitotic index

Nature
- Plant cells from sea holly

Solubility: Soluble
Form: Powder
Use level: 1%
Preservation free

COSMOS
The weapon against aging

SKIN MYORELAXANT

Mode of action
- Collagen synthesis

Nature
- Sea chelone

Solubility: Water-soluble
Form: Liquid
Use level: 1%
Preservation free
**Plumping**

**SEPLIFT™ DPHP**
Dipalmitoyl Hydroxyproline

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 Aminovector™

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

**GULF STREAM SEA WATER™**
Sea Salt

Benefits
- Optimizes cell functions

Nature
Sea powder

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

**OLIGOPHYCOCORAIL SPE**
Aqua/Water - Hydrolyzed Corallina Officinalis Extract

Benefits
- Concentration up to 200 000 times some
  micronutrients present in seawater: magnesium,
  zinc, manganese, calcium

Nature
Red calcified seaweed

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

**Adipoles™**
Butylene Glycol - Chenopodium Quinoa Seed Extract

Benefits on volunteers
- After one month treatment, dark circles are
  strongly decreased: -16 arbitrary units
  on 90% of volunteers.

Nature
Quinoa extract

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

**GULF STREAM SEA WATER™**
Sea Salt

Benefits
- Optimizes cell functions

Nature
Sea powder

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

**OLIGOPHYCOCORAIL SPE**
Aqua/Water - Hydrolyzed Corallina Officinalis Extract

Benefits
- Concentration up to 200 000 times some
  micronutrients present in seawater: magnesium,
  zinc, manganese, calcium

Nature
Red calcified seaweed

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

**SEPITONIC™ M3.0**
Magnesium Aspartate - Zinc Gluconate - Copper Gluconate

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

**Energizing**

**BIOPLASMA™ BG**
Aqua/Water - Butylene Glycol - Planthorn Extract™

Mode of action
- ATP: +27%
- ATP after ozone stress: +39%
- ATP after H₂O₂ stress: +45%

Nature
Desert microalgae

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

**SEPITONIC™ M3.0**
Magnesium Aspartate - Zinc Gluconate - Copper Gluconate

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

**GULF STREAM SEA WATER™**
Sea Salt

Benefits
- Optimizes cell functions

Nature
Sea powder

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

**OLIGOPHYCOCORAIL SPE**
Aqua/Water - Hydrolyzed Corallina Officinalis Extract

Benefits
- Concentration up to 200 000 times some
  micronutrients present in seawater: magnesium,
  zinc, manganese, calcium

Nature
Red calcified seaweed

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

**SEPITONIC™ M3.0**
Magnesium Aspartate - Zinc Gluconate - Copper Gluconate

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

**Energizing**

**BIOPLASMA™ BG**
Aqua/Water - Butylene Glycol - Planthorn Extract™

Mode of action
- ATP: +27%
- ATP after ozone stress: +39%
- ATP after H₂O₂ stress: +45%

Nature
Desert microalgae

Solubility: water soluble
Form: liquid
Use level: 1%\n
**SEPITONIC™ M3.0**
Magnesium Aspartate - Zinc Gluconate - Copper Gluconate

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

**GULF STREAM SEA WATER™**
Sea Salt

Benefits
- Optimizes cell functions

Nature
Sea powder

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

**OLIGOPHYCOCORAIL SPE**
Aqua/Water - Hydrolyzed Corallina Officinalis Extract

Benefits
- Concentration up to 200 000 times some
  micronutrients present in seawater: magnesium,
  zinc, manganese, calcium

Nature
Red calcified seaweed

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

**SEPITONIC™ M3.0**
Magnesium Aspartate - Zinc Gluconate - Copper Gluconate

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

**Energizing**

**BIOPLASMA™ BG**
Aqua/Water - Butylene Glycol - Planthorn Extract™

Mode of action
- ATP: +27%
- ATP after ozone stress: +39%
- ATP after H₂O₂ stress: +45%

Nature
Desert microalgae

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

**SEPITONIC™ M3.0**
Magnesium Aspartate - Zinc Gluconate - Copper Gluconate

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

**GULF STREAM SEA WATER™**
Sea Salt

Benefits
- Optimizes cell functions

Nature
Sea powder

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

**OLIGOPHYCOCORAIL SPE**
Aqua/Water - Hydrolyzed Corallina Officinalis Extract

Benefits
- Concentration up to 200 000 times some
  micronutrients present in seawater: magnesium,
  zinc, manganese, calcium

Nature
Red calcified seaweed

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

**SEPITONIC™ M3.0**
Magnesium Aspartate - Zinc Gluconate - Copper Gluconate

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
**Detoxifying & Anti-pollution**

**BIOPLASMA™ FA**

**Mode of action**
- Proteasome stimulation for mature skin
- Protects blood vessel membranes
- Detoxifies asphyxiated skin
- Protects blood vessel membranes
- Proteasome 26S: +45%
- Proteasome 20S: +64%
- Proteasome stimulation: +24%
- Complex proteasome PA28: +46%
- Complex proteasome PA28: +46%
- Complex proteasome PA28: +46%
- Complex proteasome PA28: +46%
- Complex proteasome PA28: +46%

**Nature**
- Dead microalgae

**Solubility**
- Water soluble

**Form**
- Liquid

**Use level**
- 1%

**Preservative free**

**Contacticel™**

**Mode of action**
- Regulation of lipids (-17%) in polluted cells exposed to urban dust
- Reduction of free radicals

**Benefits on volunteers**
- Reduction in the amount of radicals, as a protection of the skin against pollution.

**Nature**
- Epiphytic macroalgae cells

**Solubility**
- Water soluble

**Form**
- Liquid

**Use level**
- 1%

**Preservative free**

**JUVENESSENCE™**

**Mode of action**
- Proteasome stimulation: +24%

**Nature**
- The Arctic winged kelp

**Solubility**
- Spergible

**Form**
- Liquid

**Use level**
- 1%

**Preservative free**

**NATIVE ESSENCE™**

**Mode of action**
- Stabilization of cell proteins, cell DNA
- Regulation of inflammatory mediators (cell proteins, cell DNA) regulates inflammatory mediators

**Nature**
- Sea fennel oil extract

**Solubility**
- Spergible

**Form**
- Liquid

**Use level**
- 1%

**Preservative free**

**Oligogeline™ PF**

**Mode of action**
- Detoxifying through proteasome stimulation
- Regulation of oily skin exposed to pollution
- Reduces the ozonolyzed squalene, as a protection against pollution
- Detoxifying through proteasome stimulation
- Reduces the ozonolyzed squalene, as a protection against pollution
- Reduces the ozonolyzed squalene, as a protection against pollution
- Reduces the ozonolyzed squalene, as a protection against pollution
- Reduces the ozonolyzed squalene, as a protection against pollution
- Reduces the ozonolyzed squalene, as a protection against pollution

**Nature**
- Second skin ingredient

**Solubility**
- Water soluble

**Form**
- Liquid

**Use level**
- 2 to 3%

**Preservative free**
**SAKADIKIUM™**
Glycine - Aquamar - Hydnum Cornucopiae Root Extract

**Skin multiprotector**

**Benefits on volunteers**
- Visible & perceived brightness increased by 16% vs placebo

**Mode of action**
- Blue light protection
- Cellular detoxification
- Antioxidation
- Anti-inflammation

**Nature**
Sugars of rhizomes from Madagascar

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

**Mode of action**
- Sunburn cells (UVB induced) decrease: -50%

**Nature**
Golden seaweed

**Mode of action**
- Sunburn cells (UVB induced) decrease: -50%

**DNA protection after UVA/UVB exposure**

**Benefits on volunteers**
- A visible immediate soothing effect after 24h

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

**Nature**
Isokactic Antivector™

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

**Mode of action**
- Protects 74% of keratinocytes & 80% Langhans cells
  - DNA damages: -72%
  - Metabolism in IR

**Mode of action**
- Protects 74% of keratinocytes & 80% Langhans cells
  - DNA damages: -72%
  - Metabolism in IR

**Nature**
Red calcified seaweed

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

**Nature**
The Arctic winged kelp

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

**Mode of action**
- Increases A1, A4 & A6: -12% to 21%
  - T PLA: -14%
  - S PLA: -8%

**Nature**
The Arctic winged kelp

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

**VOLUFORM™**
Patula/Ipomoea

**A powerful cellular detoxifier**

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

**Nature**
Isokactic Antivector™

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

**Mode of action**
- Sunburn cells (UVB induced) decrease: -50%

**Nature**
Golden seaweed

**Mode of action**
- Sunburn cells (UVB induced) decrease: -50%

**DNA protection after UVA/UVB exposure**

**Benefits on volunteers**
- A visible immediate soothing effect after 24h

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

**Nature**
Isokactic Antivector™

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

**Mode of action**
- Protects 74% of keratinocytes & 80% Langhans cells
  - DNA damages: -72%
  - Metabolism in IR

**Mode of action**
- Protects 74% of keratinocytes & 80% Langhans cells
  - DNA damages: -72%
  - Metabolism in IR

**Nature**
Red calcified seaweed

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

**Nature**
The Arctic winged kelp

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

**Mode of action**
- Increases A1, A4 & A6: -12% to 21%
  - T PLA: -14%
  - S PLA: -8%

**Nature**
The Arctic winged kelp

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

**BLUE SEAKALE SC**
Caprylic/Capric Triglyceride –Crambe Maritima Leaf Extract

**Cutaneous soothing & cell proliferation**

**Benefits on volunteers**
- 45% cutaneous reactivity

**Mode of action**
- Sunburn cells (UVB induced) decrease: -50%

**Nature**
Highly salt-tolerant seakale

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

**Mode of action**
- Blue light protection
- Cellular detoxification
- Anti-pollution
- Autophagy
- Anti-oxidant

**Nature**
Sugars of rhizomes from Madagascar

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

**Mode of action**
- Blue light protection
- Cellular detoxification
- Antioxidation
- Anti-inflammation

**Nature**
The Arctic winged kelp

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

**JUVENESSENCE™**
Caprylic/Capric Triglyceride – Alaria Esculenta Extract

**Skin protector**

**Mode of action**
- Blue light protection
- Cellular detoxification
- Anti-pollution
- Autophagy
- Anti-oxidant

**Nature**
Sugars of rhizomes from Madagascar

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

**Mode of action**
- Blue light protection
- Cellular detoxification
- Antioxidation
- Anti-inflammation

**Nature**
The Arctic winged kelp

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

**PHYCOCORAIL™**
Lithothamnion Calcium Powder -Menthol - Diatomaceous Earth - Zinc Sulfate

**Bio ceramic thermal shield**

**Nature**
Red Sea/Red seaweed

**Solubility**
Hydro & liposoluble
Form: powder
Use level: 1 to 3%
Preservative free

**Mode of action**
- Moisturizing vs placebo from 2 to 24 hours: +30%

**Nature**
Immortal blue

**Mode of action**
- Blue light protection
- Cellular detoxification
- Anti-pollution
- Autophagy
- Anti-oxidant

**Nature**
Sugars of rhizomes from Madagascar

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

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

**Nature**
The Arctic winged kelp

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

**SEA LAVENDER SC**
Caprylic/Capric Triglyceride –Limonium Gerberi Extract

**Reinforce the hydro-lipidic barrier & regulate sensitive skin**

**Benefits on volunteers**
- Moisturizing vs placebo from 2 to 24 hours: +30%

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

**Nature**
The Arctic winged kelp

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

**Mode of action**
- Protects 74% of keratinocytes & 80% Langhans cells
  - DNA damages: -72%
  - Metabolism in IR

**Mode of action**
- Protects 74% of keratinocytes & 80% Langhans cells
  - DNA damages: -72%
  - Metabolism in IR

**Nature**
Red calcified seaweed

**Mode of action**
- Increases A1, A4 & A6: -12% to 21%
  - T PLA: -14%
  - S PLA: -8%

**Nature**
The Arctic winged kelp

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

**Mode of action**
- Blue light protection
- Cellular detoxification
- Anti-pollution
- Autophagy
- Anti-oxidant

**Nature**
Sugars of rhizomes from Madagascar

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

**Mode of action**
- Blue light protection
- Cellular detoxification
- Antioxidation
- Anti-inflammation

**Nature**
The Arctic winged kelp

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

**A powerful cellular detoxifier**

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

**Nature**
Isokactic Antivector™

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

**Mode of action**
- Sunburn cells (UVB induced) decrease: -50%

**Nature**
Golden seaweed

**Mode of action**
- Sunburn cells (UVB induced) decrease: -50%
Skin biology

SKIN
1. Epidermis
2. Dermis
3. Hypodermis
4. Stratum corneum
5. Dermo-epidermal junction
6. Sebaceous gland
7. Ecorine 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. Papillary dermis
8. Reticular dermis

HYPODERMIS
1. Adipocyte
2. Vascular network
3. Connective tissue
**Skin complexion**

**Lightening**

**SEASHINE™**
- *Alaria Esculenta* Extract - Undaria Pinnatifida Extract - *Alaria Esculenta* Extract - *Seashine* filtrate
- Nature: Plant-based & Renewable

**SEPIWHITE™ MSH**
- Labeled/Labelled Phenylalanine
- Benefits on volunteers: 91% lighter skin / 30% more radiant / 83% more luminescent / 73% smaller spots
- Nature: Combination of lily flowers & palmitoyl proline
- Solubility: amphiphilic
- Form: liquid
- Use level: 3%

**SEPIWHITE™ MSH QD**
- Labeled/Labelled Phenylalanine
- Benefits: At a very low dose (0.2%), boosts other illuminating agents
- Nature: Phenylalanine Aminoacetate™
- Solubility: hydrodispersible, water soluble at pH 7
- Form: powder
- Use level: 0.02%

**SEPICALM™ VG WP**
- Sodium Palmitoyl Proline - Nymphaea Alba Flower Extract
- Nature: Combination of lily flowers & palmitoyl proline
- Solubility: amphiphilic
- Form: liquid
- Use level: 3%

**Radiant complexion for all skin tones!**

**SEPIWHITE™ MSH**
- Labeled/Labelled Phenylalanine
- Benefits on volunteers: 91% lighter spot / 33% less spots / 83% more radiant complexion / 100% more even complexion.
- Nature: Combination of lily flowers & palmitoyl proline
- Solubility: amphiphilic
- Form: liquid
- Use level: 3%

**Radiance**

**CELTOSOME™ CRITHMUM MARITIMUM**
- Centrum Maximum Calyx Culture Flora
- Nature: Plant cells from sea fennel
- Solubility: dispersible
- Form: powder
- Use level: 0.15%

**Pigmentation regulator from biotechnologies**

**CERAMOSIDES™ HP**
- Glycosphingolipids - Glycolipids
- Nature: Ceramides from wheat grains (omegas 3,6,9) extracted from wheat grains
- Solubility: liposoluble
- Form: powder
- Use level: 1%

**No more shadowy areas!**

**TIMECODE™**
- Palmitoyl Glycerine
- Nature: The full essentials of Candela
- Form: liquid
- Use level: 2 to 5%

**The essence of a perfect skin**

**CERAMOSIDES™ HP**
- Glycosphingolipids - Glycolipids
- Nature: Ceramides from wheat grains (omegas 3,6,9) extracted from wheat grains
- Solubility: liposoluble
- Form: powder
- Use level: 1.2%

**Diffuse light Blur lines & erase shine**

**SEPIMAT™ SB**
- Methyldimethylethylglycerin
- Nature: Fine spherical powder
- Solubility: oil & water dispersible
- Form: powder
- Use level: 5% to 10%

**Skin multiprotector**

**TALADVANCE™**
- Glycoin - *Aquacoccus* - Hedrophyllum Coronarium Root Extract
- Nature: The full essence of Candela
- Form: liquid
- Use level: 2 to 5%

**Skin boosting & cellular viability: metabolism & cellular energy**

**SEPIWHITE™ MSH**
- Labeled/Labelled Phenylalanine
- Benefits: At a very low dose (0.2%), boosts other illuminating agents
- Nature: Phenylalanine Aminoacetate™
- Solubility: hydrodispersible, water soluble at pH 7
- Form: powder
- Use level: 0.02%

**Diffuse light Blur lines & erase shine**

**SEPIMAT™ SB**
- Methyldimethylethylglycerin
- Nature: Fine spherical powder
- Solubility: oil & water dispersible
- Form: powder
- Use level: 5% to 10%

**Skin multiprotector**

**TALADVANCE™**
- Glycoin - *Aquacoccus* - Hedrophyllum Coronarium Root Extract
- Nature: The full essence of Candela
- Form: liquid
- Use level: 2 to 5%

**Skin boosting & cellular viability: metabolism & cellular energy**

**SEPIWHITE™ MSH**
- Labeled/Labelled Phenylalanine
- Benefits: At a very low dose (0.2%), boosts other illuminating agents
- Nature: Phenylalanine Aminoacetate™
- Solubility: hydrodispersible, water soluble at pH 7
- Form: powder
- Use level: 0.02%

**Diffuse light Blur lines & erase shine**

**SEPIMAT™ SB**
- Methyldimethylethylglycerin
- Nature: Fine spherical powder
- Solubility: oil & water dispersible
- Form: powder
- Use level: 5% to 10%

**Skin multiprotector**

**TALADVANCE™**
- Glycoin - *Aquacoccus* - Hedrophyllum Coronarium Root Extract
- Nature: The full essence of Candela
- Form: liquid
- Use level: 2 to 5%

**Skin boosting & cellular viability: metabolism & cellular energy**

**SEPIWHITE™ MSH**
- Labeled/Labelled Phenylalanine
- Benefits: At a very low dose (0.2%), boosts other illuminating agents
- Nature: Phenylalanine Aminoacetate™
- Solubility: hydrodispersible, water soluble at pH 7
- Form: powder
- Use level: 0.02%

**Diffuse light Blur lines & erase shine**

**SEPIMAT™ SB**
- Methyldimethylethylglycerin
- Nature: Fine spherical powder
- Solubility: oil & water dispersible
- Form: powder
- Use level: 5% to 10%

**Skin multiprotector**

**TALADVANCE™**
- Glycoin - *Aquacoccus* - Hedrophyllum Coronarium Root Extract
- Nature: The full essence of Candela
- Form: liquid
- Use level: 2 to 5%

**Skin boosting & cellular viability: metabolism & cellular energy**

**SEPIWHITE™ MSH**
- Labeled/Labelled Phenylalanine
- Benefits: At a very low dose (0.2%), boosts other illuminating agents
- Nature: Phenylalanine Aminoacetate™
- Solubility: hydrodispersible, water soluble at pH 7
- Form: powder
- Use level: 0.02%

**Diffuse light Blur lines & erase shine**

**SEPIMAT™ SB**
- Methyldimethylethylglycerin
- Nature: Fine spherical powder
- Solubility: oil & water dispersible
- Form: powder
- Use level: 5% to 10%

**Skin multiprotector**

**TALADVANCE™**
- Glycoin - *Aquacoccus* - Hedrophyllum Coronarium Root Extract
- Nature: The full essence of Candela
- Form: liquid
- Use level: 2 to 5%
Skin balance

**Regulation of oily skin exposed to pollution**

**Benefits on volunteers**
- Limits excessive sebum production for long-term visible benefits

**Mode of action**
- Limits sebum production
- Reduces lipids (17%) in polluted cells exposed to urban dust
- Prevents from the effects of heavy metals - cell protection, cell DNA regulates inflammatory mediators (IL-1β, IL-4, IL-10)

**Nature**
- Sphingomyelin cell

**Solubility**
- water soluble

**Form**
- liquid

**Use level**
- 1%

**Preservative free**

**Deodorant**

**Purity & protection from head to toe!**

**Benefits on volunteers**
- Neutralizes the microflora to reduce disorders, protect & purify the skin
- Gentle purifying & odor reduction, ideal for sensitive skin

**Nature**
- Natural Glycine & sugar Aminovector™

**Solubility**
- water soluble at pH 3-6.5

**Form**
- Powder

**Use level**
- 1 to 2%

**Preservative free**

**Oil control**

**PHLOROGINE™ BG PF**

**Benefits on volunteers**
- Reduces the sebum production at the skin surface by 20%

**Mode of action**
- Inhibits microbial growth: P. acnes, S. aureus & S. epidermidis
- Reduces peroxidation (-79%)
- Limits excessive sebum production

**Nature**
- Royal sugar kelp

**Solubility**
- hydrophilic

**Form**
- Powder

**Use level**
- 0.1 to 1%

**Preservative free**

**Other versions available**
- Plant-based & renewable butylene glycol: PHLOROGINE™ CV

**SEPICONTROL™ A5**

**Limit sebum excess of acne prone skin**

**Benefits on volunteers**
- Reduces the sebum production on the skin surface by 20%

**Mode of action**
- Controls hyperkeratinization - 60% less Filaggrin
- Helps to control inflammation: -73% of IL1 vs P. acnes
- Helps to control sebum: -20% less sebum production

**Nature**
- Spicy cocktail of cinnamon & glycine Aminovector™

**Solubility**
- oil dispersible

**Form**
- Powder

**Use level**
- 4%

**Preservative free**

**SEPIMAT™ H10**

**Shine surrender: ultra matte & sublime skin**

**Benefits on volunteers**
- Excellent oil absorption reduces shine leaving skin looking matte
- Reduces shine & absorbs excess oils for a matte effect

**Nature**
- Hollow spherical powder

**Solubility**
- oil & water dispersible

**Form**
- Powder

**Use level**
- 0.5 to 16%

**Preservative free**

**SEPIMAT™ H10 FW**

**Insta Glam: velvety & matte finish**

**Benefits on volunteers**
- Reduces shine & absorbs excess oils for a matte effect
- Excellent oil absorption reduces shine leaving skin looking matte

**Nature**
- Hollow spherical powder

**Solubility**
- oil & water dispersible

**Form**
- Powder

**Use level**
- 0.5 to 16%

**Preservative free**

**Anti-blemish & Acne prone skin**

**SEPICONTROL™ A5**

**Benefits on volunteers**
- Reduces shine & absorbs excess oils for a matte effect
- Excellent oil absorption reduces shine leaving skin looking matte

**Nature**
- Spicy cocktail of cinnamon & glycine Aminovector™

**Solubility**
- oil dispersible

**Form**
- Powder

**Use level**
- 4%

**Preservative free**

**SEPIMAT™ H10**

**Benefits on volunteers**
- Reduces shine & absorbs excess oils for a matte effect
- Excellent oil absorption reduces shine leaving skin looking matte

**Nature**
- Hollow spherical powder

**Solubility**
- oil & water dispersible

**Form**
- Powder

**Use level**
- 0.5 to 16%

**Preservative free**

**FEEL SUBLIGANA™**

**Feel Sublime with a perfect skin**

**Benefits on volunteers**
- Skin perfection: spot reduction (34%) at D08 vs placebo

**Mode of action**
- Scalp purifying effect (L. paracasei & B. acidophilus)
- Antioxidant protective effect against lipid peroxidation (-79%)

**Nature**
- Tainted extract of Hiraungane tree leaves

**Solubility**
- water soluble

**Form**
- Powder

**Use level**
- 2%

**Preservative free**
Skin & Microbiota homeostasis

**EQUIBIOME™**
Proplene Glycol - Aqua/Water - C. Acnes & M. Furfur

**FLUIDIPURE™ 8G**
Honeydew Glycol - Capryloyl Glycine - Xylitylglucoside

**TALADVANCE™**
Glycosyl-Aqua/ Water - Centella Asiatica Leaf Extract

---

**EQUIBIOME™**

**Mode of action**
- Skin-microbiota harmony promoter
- Improves keratinocyte-microbe tolerance
- Facilitates ecosystem biodiversity
- Reinforces barrier function

**Benefits on volunteers**
- Skin-microbiota harmony promoter
- Improves keratinocyte-microbe tolerance
- Facilitates ecosystem biodiversity
- Reinforces barrier function

---

**FLUIDIPURE™ 8G**

**Mode of action**
- Skin-microbiota harmony promoter
- Improves keratinocyte-microbe tolerance
- Facilitates ecosystem biodiversity
- Reinforces barrier function

**Benefits on volunteers**
- Skin-microbiota harmony promoter
- Improves keratinocyte-microbe tolerance
- Facilitates ecosystem biodiversity
- Reinforces barrier function

---

**TALADVANCE™**

**Mode of action**
- Skin balance & dermal boosting with Talapetraka
- Epidermal balance: modulation of keratinocytes
- Anti-oxidant
- Dermal protection (MMP-1: -54%)
- Dermal boosting & cellular viability: metabolism
- Rebalances the microbiota to reduce disorders, enhances barrier function & facilitates ecosystem biodiversity

**Nature**
- The full essentials of Centella

---

**AQUAXYL™**
Xylitylglucoside - Amphoteracat - Xylyl

**Bioplasma™**
Aqua/Water - Butylene Glycol - Xylitol

**Codiavelane™ BG PF**
Butylene Glycol - Aqua/Water - Carrageenans from extremophile red seaweed

**Oligogeline™ PF**
Aqua/Water - Chondrus Crispus Extract

**Sepicalm™ S WP**
Sodium Dodecyl Aminosilic - Saccharin - Potassium Aspartate - Magnesium Aminosilic

---

**AQUAXYL™**

**Mode of action**
- Marine moisturizing factor (MMF)
- Increases skin comfort for sensitive skin
- Hydration from the desert algae
- Skin-microbiota harmony promoter
- Improves keratinocyte-microbe tolerance
- Facilitates ecosystem biodiversity
- Reinforces barrier function

**Benefits on volunteers**
- Immediate & long-lasting hydration (+14% after 8 hours vs. placebo)
- Water circulation is improved: Tight junctions cohesion & Aquaporin-3 +36%
- Hydration from the desert algae
- Second skin ingredient
- Hydration from the desert algae
- Marine moisturizing factor (MMF)
- Increases skin comfort for sensitive skin
- Skin-microbiota harmony promoter
- Improves keratinocyte-microbe tolerance
- Facilitates ecosystem biodiversity
- Reinforces barrier function

---

**Bioplasma™**

**Mode of action**
- Marine moisturizing factor (MMF)
- Increases skin comfort for sensitive skin
- Hydration from the desert algae
- Skin-microbiota harmony promoter
- Improves keratinocyte-microbe tolerance
- Facilitates ecosystem biodiversity
- Reinforces barrier function

**Benefits on volunteers**
- Immediate & long-lasting hydration (+14% after 8 hours vs. placebo)
- Water circulation is improved: Tight junctions cohesion & Aquaporin-3 +36%
- Hydration from the desert algae
- Second skin ingredient
- Hydration from the desert algae
- Marine moisturizing factor (MMF)
- Increases skin comfort for sensitive skin
- Skin-microbiota harmony promoter
- Improves keratinocyte-microbe tolerance
- Facilitates ecosystem biodiversity
- Reinforces barrier function

---

**Codiavelane™ BG PF**

**Mode of action**
- Marine moisturizing factor (MMF)
- Increases skin comfort for sensitive skin
- Hydration from the desert algae
- Skin-microbiota harmony promoter
- Improves keratinocyte-microbe tolerance
- Facilitates ecosystem biodiversity
- Reinforces barrier function

**Benefits on volunteers**
- Immediate & long-lasting hydration (+14% after 8 hours vs. placebo)
- Water circulation is improved: Tight junctions cohesion & Aquaporin-3 +36%
- Hydration from the desert algae
- Second skin ingredient
- Hydration from the desert algae
- Marine moisturizing factor (MMF)
- Increases skin comfort for sensitive skin
- Skin-microbiota harmony promoter
- Improves keratinocyte-microbe tolerance
- Facilitates ecosystem biodiversity
- Reinforces barrier function

---

**Oligogeline™ PF**

**Mode of action**
- Marine moisturizing factor (MMF)
- Increases skin comfort for sensitive skin
- Hydration from the desert algae
- Skin-microbiota harmony promoter
- Improves keratinocyte-microbe tolerance
- Facilitates ecosystem biodiversity
- Reinforces barrier function

**Benefits on volunteers**
- Immediate & long-lasting hydration (+14% after 8 hours vs. placebo)
- Water circulation is improved: Tight junctions cohesion & Aquaporin-3 +36%
- Hydration from the desert algae
- Second skin ingredient
- Hydration from the desert algae
- Marine moisturizing factor (MMF)
- Increases skin comfort for sensitive skin
- Skin-microbiota harmony promoter
- Improves keratinocyte-microbe tolerance
- Facilitates ecosystem biodiversity
- Reinforces barrier function

---

**Sepicalm™ S WP**

**Mode of action**
- Marine moisturizing factor (MMF)
- Increases skin comfort for sensitive skin
- Hydration from the desert algae
- Skin-microbiota harmony promoter
- Improves keratinocyte-microbe tolerance
- Facilitates ecosystem biodiversity
- Reinforces barrier function

**Benefits on volunteers**
- Immediate & long-lasting hydration (+14% after 8 hours vs. placebo)
- Water circulation is improved: Tight junctions cohesion & Aquaporin-3 +36%
- Hydration from the desert algae
- Second skin ingredient
- Hydration from the desert algae
- Marine moisturizing factor (MMF)
- Increases skin comfort for sensitive skin
- Skin-microbiota harmony promoter
- Improves keratinocyte-microbe tolerance
- Facilitates ecosystem biodiversity
- Reinforces barrier function

---

**AQUAXYL™**

**Benefits on volunteers**
- Hydration from the desert algae
- Second skin ingredient
- Hydration from the desert algae
- Marine moisturizing factor (MMF)
- Increases skin comfort for sensitive skin
- Skin-microbiota harmony promoter
- Improves keratinocyte-microbe tolerance
- Facilitates ecosystem biodiversity
- Reinforces barrier function

---

**Bioplasma™**

**Benefits on volunteers**
- Immediate & long-lasting hydration (+14% after 8 hours vs. placebo)
- Water circulation is improved: Tight junctions cohesion & Aquaporin-3 +36%
- Hydration from the desert algae
- Second skin ingredient
- Hydration from the desert algae
- Marine moisturizing factor (MMF)
- Increases skin comfort for sensitive skin
- Skin-microbiota harmony promoter
- Improves keratinocyte-microbe tolerance
- Facilitates ecosystem biodiversity
- Reinforces barrier function

---

**Codiavelane™ BG PF**

**Benefits on volunteers**
- Marine moisturizing factor (MMF)
- Increases skin comfort for sensitive skin
- Hydration from the desert algae
- Skin-microbiota harmony promoter
- Improves keratinocyte-microbe tolerance
- Facilitates ecosystem biodiversity
- Reinforces barrier function

---

**Oligogeline™ PF**

**Benefits on volunteers**
- Marine moisturizing factor (MMF)
- Increases skin comfort for sensitive skin
- Hydration from the desert algae
- Skin-microbiota harmony promoter
- Improves keratinocyte-microbe tolerance
- Facilitates ecosystem biodiversity
- Reinforces barrier function

---

**Sepicalm™ S WP**

**Benefits on volunteers**
- Marine moisturizing factor (MMF)
- Increases skin comfort for sensitive skin
- Hydration from the desert algae
- Skin-microbiota harmony promoter
- Improves keratinocyte-microbe tolerance
- Facilitates ecosystem biodiversity
- Reinforces barrier function

---
**Skin barrier**

**AQUAXYL™**

*Xylitylglicoside - Anhydroxylitol - Xylitol*

**Benefits on volunteers**
- The skin desquamation is decreased in dry skin: -25% in one month.
- The skin microrelief is smoothed: +30% in one month.

**Mode of action**
- +159% increase in Ceramides 1& 2 (no effect of glycerin) on human skin explants.
- +81% of a key enzyme involved in Cholesterol synthesis.
- +11% increase for Filaggrin.

**Nature**
Natural sugar complex

**Solubility:** Water soluble
**Form:** Liquid
**Use level:** 3%
**Preservative free**

**HETEROSIDES**

*Centella asiatica Leaf Extract*

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

**Mode of action**
- Reinforce the “mortar” (Ceramides-2: +44%)
- Strengthen the “brick” envelop (Involucrin, Loricrin, Filaggrin)
- Boost cell cohesion (tight junctions)
- Moisturize (AQP3: +29%) & soothe (PGE-2, IL -8, IL -1 α)

**Nature**
Highly pure heterosides from *Centella* ≥ 70%

**Solubility:** Water soluble
**Form:** Powder
**Use level:** 0.00%
**Preservative free**

**Skin relief**

**CLETOSOME™**

*Crithmum Maritimum Callus Culture Filtrate*

**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%)

**TECA™**

*Asiaticoside - Madecassic Acid - Asiatic Acid*

**Mode of action**
- Decreases TNF α: -26% vs UVB
- Decreases LTB4: -29% vs UVB
- Decreases COX2: -29% vs UVB
- Decreases IL10: -26% vs UVB

**Nature**
Golden seaweed

**Solubility:** Liposoluble
**Form:** Powder
**Use level:** 0.1 to 1%
**Preservative free**

**Embelia Extract**

*Glycerin - Aqua/Water - Embelia Concinna Leaf Extract*

**Nature**
Titrated extract of *Embelia* leaves

**Solubility:** Water soluble
**Form:** Liquid
**Use level:** 2%
**Preservative free**

**Soothing, Redness & Reactivity**

**ANTILEUKINE 6™**

*Caprylic/Capric Triglyceride - Laminaria ochroleuca Extract*

**Mode of action**
- Decreases histamine release and PGE2, LTB4 & Histamine release
- Skin barrier function reinforcement (Involucrin +46%; Loricrin: +131%)

**Nature**
Glycoside derived

**Solubility:** Liposoluble
**Form:** Liquid
**Use level:** 2%
**Preservative free**

**Skin repair & integrity**

**CEUTECOSMOS®**

*Cosmetics approved*

**Mode of action**
- Reduces L.T. 1, IL-6, stimulates growth factors
- Stimulates collagen synthesis

**Nature**
Purified extract

**Solubility:** Dispersible
**Form:** Powder
**Use level:** 0.10%
**Preservative free**

**Soil relief**

**EMBRECOSMOS®**

*Embelia Concinna Leaf* Extract

**Nature**
Titrated extract of *Embelia*

**Solubility:** Water soluble
**Form:** Liquid
**Use level:** 2%
**Preservative free**
MADECASSOSIDE
Cinnamomum Zeylanicum Bark Extract

Anti-redness for sensitive skin
Benefits on volunteers
- 34% erythema reduction after 1 day
- 19% redness

Mode of action
- +46% HBD2 (defensin)
- -44% free radicals induction (superoxide anion)

Benefits on volunteers
- +20% hydration after 4 hours in corneometry

Mode of action
- Respect of essential cell functions (TNF-α & NFkB activation, SKALP, free radicals -79%)
- Normalization of keratinocytes hyperproliferation
- Soothing effect (MMP-11, -41%)

Nature
Highly pure madecassoside from Centella (≥ 95%)

Form
powder
Use level
0.3%
Preservative free

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

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 homogeneously after 28 days (boosting)
- +46% hydration after 6 hours in corneometry

Mode of action
- +48% production of hyaluronic acid
- Targets the key inflammation pathway (NfkB):
  +46% IL1-65% IL8 -46% stinging sensation in 10 seconds

Nature
Sea aster oil extract

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

SEPICALM™ S WP
Sodium Cress Amino Acid - Senecio - Potassium Aspartate - Magnesium Aspartate

The soothing & neurocosmetic mineral concept
Benefits on volunteers
- 34% redness after mechanical abrasion
- 23% redness after solar epiphony
- 48% stinging sensation in 10 seconds

Mode of action
- +48% production of hyaluronic acid
- Targets the key inflammation pathway (NfkB):
  -31% of IL6 / -16% of IL8
  -78% of free radicals induction (superoxide anion)
  -46% Elastase inhibition
  -100% Hyaluronidase inhibition
  -46% Lipoxygenase inhibition

Nature
Minerals + Aminovector™ cocktail

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

SEPICONTROL™ A5
Cetyl Glycine - Senecio - Cinnamomum Zeylanicum Bark Extract

Regulate inflammation induced by acne - Better than Salicylic acid
Mode of action
- Increases natural skin immune & anti-microbial defense
- +46% IL1B (beta interleukin)
- 23% IL1 inhibition
- +46% Elastase inhibition
- +46% free radicals induction (superoxide anion)

Nature
Spicy cocktail of cinnamon & glycyrrhiza Ammoniaca™

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

SUBLIGANA™
Glycerin - Aqua/Water - Harungana Madagascariensis Extract

Feel Sublime with a perfect skin
Benefits on volunteers
- Whitehead reduction (-34%) at D28 vs placebo
- Total Whitehead reduction (-60%) at D56 vs placebo
- Blemish induced reduction -43.5%)

Mode of action
- Anti-oxidant: protective effect against lipid peroxidation (-79%)
- Diminish purifying effect (exfoliated)

Benefits on volunteers
- Dermopurifying effect (vs P. acnes)
- Modulation of “alert message transduction” (CLP, +111%; THBS-1 +111%; HBD-2 -46%; VEGF -71%)
- Soothing PE2: -26%; LTB4: -60%)
- And free radicals effect after UVB-exposure -12%)

Nature
Titrated extract of Harungana tree leaves

Solubility: water soluble
Form: liquid
Use level: 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
- Mobile reduction of persistent redness from D28

Mode of action
- Mobilization of “alert message transduction” (CAMP -46%; IL6 -39%)
- Mobilization of microcirculation (HBD-1 +111%; HBD-2 -46%; VEGF -71%)
- Soothing IL6 -32%; LTB4 -46%)
- And free radicals effect after UVB-exposure -12%

Nature
Highly pure polyphenols from Ambrosia (≥ 43%)

Form
powder
Use level: 0.3%
Preservative free

SEA MAYWEED SC
Aqua/Water - Yarrowmarispermum Maritim Extract

Anti-redness for sensitive skin
Benefits on volunteers
- 24% erythema reduction
- 19% redness

Mode of action
- 24% IL1, -32% IL6, -20% IL8 under L98
- 27% substance P under capsaicin stress, inhibition

Nature
Sea chamomile

Solubility: water soluble
Form: liquid
Use level: 1%
**Sculpting & Stretchmark control**

**Firmness from pressure-resistant algae**

**Benefits on volunteers**
- Self-evaluation: firmness improved after 28 days
- Decrease water retention
- Stimulate elastin +36%
- Increase dermal fibroblast +10%
- Stimulate tenasin +37%

**Nature**
- The Arctic winged kelp

**Mode of action**
- Solubility: liposoluble
- Form: powder
- Use level: 1%
- Preservative free

**ADIPOLESS™**

Butyrate Glucon - Chondrus Crispus (Tea Leaf Extract)

**The “preventive” slimming active**

Mode of action
- 46% formation of new blood vessels
- 91% fat inflammation into mature adipocytes
- 10% MMIP-II synthesis

Nature
- Green extract

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

**ADIPOSLIM™**

Sambucus Lutea - Laurinol Proline

**The “curative” slimming active**

Mode of action
- 80% fat accumulation in adipocytes
- Increases lipolysis in male & female adipocytes (better than caffeine)
- 201% AMPK (lipolytic activator)
- 86% Phospholipidase A-3 (lipolytic enhancer)
- Alt: Hepatic receptors toll regulation
- 46-62% hexacarboxylic ATP

Nature
- Proline Aminoketone™

Solubility: amphiphilic
- Form: liquid
- Use level: 2%
- Preservative free

**PHBCOREAN 2C**

Aqua/Water - Laminaria Hyperborea Extract

**Slimming activator**

Mode of action
- Stimulates lipolysis
- 60-62% fat recycled into ATP

Nature
- Green leaf

Solubility: water soluble
- Form: liquid
- Use level: 5%

**RHODYSTEROL™ S TG**

CarnipuCat (Chondrus - Carrageen Extract - Physiomed)

**Body reshaper**

Mode of action
- After 28 days, high circumference decreases up to 1 cm
- Forty tissue thickness decreases up to 7%
- Orange skin peel reduced by 15%
- Higher efficiency than caffeine (at lower dosage)

Nature
- Stimulating deep red algae

Solubility: liposoluble
- Form: liquid
- Use level: 2 to 5%

**FLAKES OF CHONDRUS CRISPUS**

Chondrus Crispus Powder

**Body modelling**

Benefits
- Visible red algae for SPA treatment

Nature
- Marine gill

Solubility: dispersible
- Form: gillers
- Use level: 1 to 5%

**MICRO ALGUE 80**

Diatomaceous Earth

**Renewing skin**

Benefits
- Gentle peeling agent

Nature
- Marine peeling

Solubility: dispersible
- Form: powder
- Use level: 2 to 5%

**VOLUFORM™**

Palmitoyl Hexacarboxylic Acid

**Natural alternative to lipofilling for the bust**

Benefits on volunteers
- Buti-3D sculpting 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
- Buti-3D technology stimulates the good fat & increases the volume of functional adipocytes

Nature
- Buti Aminoketone™

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

**SPA**

**Sel Grain™**

Sea Salt

**Body purifying scrub**

Benefits
- Pure crystal for a body shape

Nature
- Salt of the sea

Solubility: water soluble
- Form: crystals
- Use level: 1 to 5%
Hair Care solutions at a glance

- Prevent static electricity
  - XYLISHINE™
  - SEA LAVENDER HC

- Purify scalp & fight dandruff
  - FLUIDIPURE™ BG

- Help anti-frizz
  - ALARIANE™

- Keep softness & shine
  - BIORESTORER™ PF
  - XYLISHINE™

- Keep softness & shine
  - BIORESTORER™ PF
  - XYLISHINE™

- Protect & repair hair fiber
  - BIO EXTENDER™ SPE
  - SEPICAP™ MP

- Stimulate growth & density
  - BIOENERGIZER™ P BG PF
  - SEPIOMCO™ M3.0

- Fight age & daily stress, UV, pollution, brushing, airdry…
  - BLUE SEAKALE HC
  - SEPICAP™ MP

- Soothe & relax irritated scalp
  - FLUIDIPURE™ BG
  - SEPICALM™ SWP

- Capillary hydration
  - XYLISHINE™

Hair biology

PILOSEBACEOUS UNIT
1. Hair Shaft
2. Sebaceous gland
3. Dermal papilla
4. Bulb
5. Vascular network
6. Vascular network

HAIR LONGITUDINAL SECTION
1. Cortex
2. Cuticle
3. Scale
4. Macrofibrilla
5. Microfibrilla
6. Vascular network

Liposoluble
Water soluble
**Hair & Scalp care**

### ALARIANE™
Aqua/Mater - Butyryl Glycyl - Alaria Esculenta Extract

- **Help control & smooth unruly hair**
- **Nature**
- **Mode of action**
  - Butyryl-Glycyl-based shampoo helps restructure hair

### BIOENERGIZER™ P BG PF
Aqua/Mater - Butyryl Glycyl - Panthenol - Propylene Glycol - Polysaccharides Enzyme Extract - Laminaria Digitata Extract - *Plant-based & Renewable*

- **Density & growth booster**
- **Nature**
- **Solubility**: water soluble
- **Use level**: 1%
- **Preservative free**

### BIO EXTENDER™ SPE
Hydrolyzed Rhus Toxicodendron Extract

- **Strengthen & nourish hair with minerals**
- **Nature**
- **Solubility**: water soluble
- **Use level**: 5%
- **Preservative free**

### BIO RESTORER™ PF
Aqua/Mater - Butyryl Glycyl - Nymphaea Kurrents Extract

- **Hair smoother**
- **Nature**
- **Solubility**: water soluble
- **Use level**: 5%
- **Preservative free**

### BLUE SEAKALE HC
Aqua/Mater - Butyryl Glycyl - Cladonia Marinum Leaf Extract - *Plant-based & Renewable*

- **Protect & boost colour under stress (hairdryer...)**
- **Nature**
- **Solubility**: water soluble
- **Use level**: 1%
- **Preservative free**

---

**INULA HC**
Capsaicin/Capryol Triglyceride - Inula Chrymitida Leaf/Flower Extract

- **Intensify hair color**
- **Nature**
- **Solubility**: water soluble
- **Use level**: 1%
- **Preservative free**

### SEA LAVENDER HC
Aqua/Mater - Butyryl Glycyl - Limonium Gerberi Extract

- **Reduce hair electricity**
- **Nature**
- **Solubility**: water soluble
- **Use level**: 1%
- **Preservative free**

### SEPCAP™ MP
Sodium Cogus Amino Acid - Panthenol Dimethicone PEG-7 Phosphate

- **The anti-aging & daily stress protection**
- **Nature**
- **Solubility**: water soluble
- **Use level**: 0.5%
- **Preservative free**

### XYLISHINE™
Xylylglucoside - Anhydroxylitol - Matric - Xylitol - Polysaccharides Enzyme Extract

- **The shine of moisturized hair!**
- **Nature**
- **Solubility**: water soluble
- **Use level**: 2%
- **Preservative free**

### FLUIDIPURE™ 8G
Hydroxypropyl - Capryol Glycine - Xylohydroglucoside

- **Decrease scalp irritation, dandruff, control scalp oiliness & odor**
- **Nature**
- **Solubility**: water soluble
- **Use level**: 1.5%
- **Preservative free**

### SEPCALM™ SWP
Sodium Cogus Amino Acid - Sarcosine - Magnesium Aspartate - Aminovector

- **The perfect soother for chemically irritated scalp**
- **Nature**
- **Solubility**: water soluble
- **Use level**: 3%
- **Preservative free**
Scalp Care

SEPICAP™ MP
Sodium Cocos Amino Acid - Potassium Dimerinol MEG-7 Panthenol/Phosphat

Scalp daily defense
Mode of action
• +65% cell division even under aging conditions
• +55% of protein metabolism even under aging conditions
• +20% improved efficacy under heat stress

Nature
Aminoacids, lipids & vitamin Aminovector™
Solubility: hydrodispersible
Form: liquid
Use level: 1 to 3%
Preservative free

SEPTONIC™ M3.0
Magnesium Aspartate - Zinc Gluconate - Copper Gluconate

Scalp energizer
Mode of action
• +49% protection against primary free radicals

Nature
Mineral-based cell fuel (zinc, copper, magnesium)
Solubility: water soluble
Form: liquid
Use level: 1%
Preservative free

Marine extracts

Focus verticillus
OLEAPHYCOL FV
Coryne/Capsicum Hygrosome - Fucus Vesiculosus Extract
Solubility: oil
Preservative free

Focus verticillus
SUPERPHYCO-D™ BG PF
AquaWater - Buthyline Glycer - Fucus Vesiculosus Extract
*AlgOch5h - Fucus Vesiculosus
Solubility: water
Preservative free

Blue Seaweed
Spiruline
SPIRULINE AP
AquaWater - Butylene Glycer - Spirulina Platensis Extract
Solubility: oil
Preservative free

Algae cellular waters

HYDRAFIXIR™ CC
AquaWater - Chondrus Crispus Extract - Gigartina Stellata Extract
Benefits
• Plant-based water recovered from a couple of red algae
  (naturally filled with a high quality seawater / no fresh water intake 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 (inclusives 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%

Brown Seaweed
HYDRAFIXIR™ LD
AquaWater - Laminaria Digitata Extract
Benefits
• New source of plant-based water recovered from a brown seaweed (naturally filled with a high quality seawater / no fresh water intake 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 (inclusives the fresh water footprint of the formula)
Nature
Cellular water from Laminaria digitata
Solubility: water soluble
Form: liquid
Use level: 10 to 50%

Fundamental Fluid from a couple of red seaweeds

HYDRAFIXIR™ CC
Brown alge Cellular Elixir
AquaWater - Chondrus Crispus - Gigartina Stellata
Benefits
• Plant-based water recovered from a couple of red algae
  (naturally filled with a high quality seawater / no fresh water intake 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 (inclusives 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%
Looking for an innovative texture, a formulation solution or a creative concept?

Discover seppic’s inspiring formulas thanks to our new powerful search engine on seppic.com!

seppic shares with you its formulation secrets

Moisturization & Comfort
#Nourishing #SensitiveSkin

- EU07531 - D.I.Y. DERMOCOSMETIC BASE
  High Stability Sensory Cream
- EU07540 - HAND & BODY NOURISHING BALM
  Hydrating & Soothing - COSMOS compliant
- US20105 - CICA STICK
  Nomadic Gesture for Sensitive Skins
- AS40125 - DERMOCLOUD
  Pampering Air Texture

Perfuming Body Care
#NewGestures #On-the-Go

- EU07536 - INNOVATIVE CARING PERFUME
  Intensely Fragranced GELTRAP™
- EU07537A - PERFUMING BODY MIST
  Highly Fragranced & Protective Emulsion

Hydration & Freshness
#WateryTextures #QuickDry

- EU07539 - FRESH BODY YOGURT
  Balancing Emulsion Inspired by Food
- EU07538 - MARINE BODY SERUM
  Firming & Refreshing Wave

Follow us on:
By adding emulsifying & texturing functions to polymeric structures, SEPPIC Beauty Care reinvents formulation. These must-have ingredients open a new world of creativity to formulators.

- Easy to use
- Multiple benefits
- An infinite source of unique sensory experiences
Polymeric thickeners & Stabilizers

**SEPIMAX ZEN™**
Polyacrylate Crosspolymer

- Boost creativity with serenity
- **Benefits:**
  - Maximum resistance to electrolytes
  - Precise melt flow
  - Retains film-forming properties in the cold
  - Excellent transparency for transparent aqueous formulations
- **Sensorial profile:**
  - Soft & elegant skin feel with a dry touch

**SEPINOV™ EMT 10**
Hydroxyethyl Acrylate/Sodium Acrylate/Methyl Taurate Copolymer

- **Benefits:**
  - Effective at low concentration
  - Resistance to electrolytes
  - Excellent oil-stabilizing property
  - Produces transparent gels
  - DHA compatible
- **Sensorial profile:**
  - Smooth & silky skin feel

**SEPINOV™ P88**
Sodium Acrylate/C10-40 Alkyl Acrylate/Methyl Methacrylate/Dimethylaminoethyl Diallylammonium Chloride

- **Benefits:**
  - Polymer compatible with ethylene oxide-free formulas
  - Resistance to electrolytes
  - DHA compatible
- **Sensorial profile:**
  - Soft & light touch

**SEPINOV™ WEO**
Hydroxyethyl Acrylate/Methyl Acrylate/Taurate Copolymer

- **Benefits:**
  - Universal polymer compatible with ethylene oxide-free formulas
  - Resistance to electrolytes
  - DHA compatible
- **Sensorial profile:**
  - Soft & light touch

**SEPIGEL 305™**
Polyacrylate - C5-9 Alkylating - Laureth-7

- **Benefits:**
  - The original solution as multi-functional polymer
- **Sensorial profile:**
  - Soft & rich

**SEPLIFE™ NUDE**
Sodium Acrylate/Sodium Acryloyldimethyl TAurate Copolymer - C16-19 Alkylate - Polyisobutene

- **Benefits:**
  - Oil & surfactant from natural origin
  - Inherently biodegradable
  - Compatibility with ethylene oxide-free formulas
  - Can be used as the primary emulsifier or thickener
  - For sprayable fluid or thick formulas
- **Sensorial profile:**
  - Quick-melt & nude skin feel

**SEPIPLUS™ 265**
Acrylamide/Methyl Acrylate Polymer - Polyisobutene - Polyacrylate Crosspolymer - Polyisobutene

- **Benefits:**
  - Concentrated & Powerful
  - Excellent resistance to electrolytes
  - Resistance to electrolytes
  - DHA compatible
- **Sensorial profile:**
  - Silicone touch, glide-in sensation & easy spreading

**SEPIPLUS™ 400**
Polyacrylate-13 - Polyisobutene - Polyacrylate

- **Benefits:**
  - Gliding & elegant touch
  - Excellent resistance to electrolytes
- **Sensorial profile:**
  - Silicone touch, glide-in sensation & easy spreading

**SEPIPLUS™ S**
Hydroxyethyl Acrylate/Sodium Acrylate/Methyl Taurate Copolymer - Polysorbate 80 - Polysorbate 20

- **Benefits:**
  - Absolute comfort
  - Excellent resistance to electrolytes
- **Sensorial profile:**
  - Soft & slippery

**SIMULGEL™ 600**
Acrylate/Sodium Acryloyldimethyl Taurate Copolymer - Isohexadecane - Polyacrylate - Polyisobutene - Polysorbate 80

- **Benefits:**
  - 305 remodeled
  - For sprayable fluid to thick formulas
- **Sensorial profile:**
  - Soft & supple

**SIMULGEL™ EG**
Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer - Isohexadecane - Polyacrylate - Polyisobutene - Polysorbate 80

- **Benefits:**
  - Excellent gentleness
  - For sprayable fluid to thick formulas
- **Sensorial profile:**
  - Soft & light texture

**SIMULGEL™ EG QD**
Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer - Isohexadecane - Polyacrylate - Polyisobutene - Caprylyl Capryl Glucoside

- **Benefits:**
  - QD approved liquid polymer
  - For sprayable fluid to thick formulas
- **Sensorial profile:**
  - Soft & light texture

**SIMULGEL™ EPG**
Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer - Polyisobutene - Caprylyl Capryl Glucoside

- **Benefits:**
  - Eco Polymer Generation
  - For sprayable fluid to thick formulas: compatibility with ethylene oxide-free formulas
- **Sensorial profile:**
  - Soft & light texture

**Polyglyceryl-6 Laurate** - **Polyglycerin-6 Taurate Copolymer** - **C15-19 Alkane** - **SEPILIFE**

- **Benefits:**
  - Compatible with ethylene oxide-free formulas
  - For sprayable fluid to thick formulas: compatibility with ethylene oxide-free formulas
- **Sensorial profile:**
  - Soft & light texture

**COSMETICS COSMOS APPROVED**

- **Type:**
  - Anionic
  - Compostable
  - Non-Crude
  - Oil & surfactant from natural origin
  - Inherently biodegradable
  - Compatibility with ethylene oxide-free formulas
  - Can be used as the primary emulsifier or thickener
  - For sprayable fluid or thick formulas
  - Quick-melt & nude skin feel

**SEPIPLUS™**

- **Type:**
  - Anionic
  - Reservative free
  - Pre-neutralized powder
  - For sprayable fluid to thick formulas: compatibility with ethylene oxide-free formulas
  - For sprayable fluid to thick formulas: compatibility with ethylene oxide-free formulas
  - Soft & light texture
**SIMULGEL™ FL**
Hydroxypropyl Acrylate/Sodium AcryloylDimethyl Taurate Copolymer - Isohexadecane – Polyisobutene 80

**Easily stabilize fluid formulations**

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

**Sensorial profile**
- Soft & light texture

**Type:** anionic
- Form: pre-neutralized liquid
- Function: thickening, stabilizing, texturizing
- pH of use: 3-12
- Preservation free

---

**SIMULGEL™ I-NS 100**
Hydroxypropyl Acrylate/Sodium AcryloylDimethyl Taurate Copolymer - Isohexadecane – Polyisobutene 80

**Spray it, pour it & spread it**

**Benefits**
- Variable polymer
- For sprays, ultra fluid to thick formulas
- DHA compatible

**Sensorial profile**
- Quick melt fresh texture

**Type:** anionic
- Form: pre-neutralized liquid
- Function: thickening, stabilizing, texturizing
- pH of use: 3-12
- Preservation free

---

**SIMULGEL™ NS**
Hydroxypropyl Acrylate/Sodium AcryloylDimethyl Taurate Copolymer - Isohexadecane – Polyisobutene 80

**Bio-based solution for sprays to thick texture**

**Benefits**
- Based on vegetable squawker
- For sprays, ultra fluid to very thick formulas
- DHA compatible

**Sensorial profile**
- Fresh, melting texture

**Type:** anionic
- Form: pre-neutralized liquid
- Function: thickening, stabilizing, texturizing
- pH of use: 3-12
- Preservation free

---

**GELALG™ SPE**
AquaFlora – Cosmeacare

**The marine alternative**

**Benefits**
- The marine silicone
- Bare for gels & serums
- Gel booster = stick breaker

**Sensorial profile**
- Smoothness without stickiness effect

**Type:** anionic
- Form: gel
- Function: texturizing, thickening

---

**SOLAGUM™ TARA**
Cassia Fiddleneck Gum

**Boost viscosity & define texture**

**Benefits**
- Poly saccharide Galactomannan 100% plant origin
- Powerful thickening natural gum
- Texturizing agent
- Resistance to electrolytes
- Synergistic efficacy with SEPINOV™ ZRN & SEPFNOM™ range

**Sensorial profile**
- Inflatable & confortable softness

**Type:** non-ionic
- Form: powder
- Function: thickening, stabilizing, preserving
- EO free
- 100% bio-based content on dry matter

---

**CAPIGEL 98™**
Acrylates Copolymer

**Cationic latex**

**Benefits**
- Excellent thickener for sulfated surfactant systems
- After neutralization (pH>6.5), it instantly thickens aqueous media
- Produces transparent gels
- Very good solubility to electrolytes & polar solvents
- Can be used in sprays formulas

**Sensorial profile**
- Playful texture

**Type:** anionic
- Form: liquid
- Function: thickening
- Preservation free

---

**SEPIMAX ZEN™**
Polyacrylate Crosspolymer

**Boost creativity with serenity**

**Benefits**
- Maximum resistance to electrolytes
- Produces clear gels
- Suspending properties
- Highly compatible with ethanol & solvents
- Excellent tolerance for intimate hygiene application

**Sensorial profile**
- Bring softness to the lather

**Type:** anionic
- Form: pre-neutralized powder
- Function: thickening, suspending, texturizing
- pH of use: 2-8
- Preservation free

---

**SOLAGUM™ AX**
Acacia Senegal Gum – Xanthan Gum

**Film-forming stabilizer**

**Benefits**
- Original combination of natural polymers
- Sensory improvement in formulations
- Produces transparent gels
- Suspending properties
- Sustainable development concept

**Sensorial profile**
- Aesthetic moisturizing sensation

**Type:** anionic
- Form: powder
- Function: thickening, stabilizing, suspending
- Preservation free
- EO free
- 100% bio-based content on dry matter

---

**SOLAGUM™ TARA**
Cassia Fiddleneck Gum

**Elegant booster**

**Benefits**
- Poly saccharide Galactomannan 100% plant origin
- Texturizing agent
- Resistance to electrolytes
- Synergistic efficacy with SEPINOV™ ZRN & SEPFNOM™ range

**Sensorial profile**
- Hair wrapped in softness

**Type:** non-ionic
- Form: powder
- Function: thickening, texturizing, stabilizing
- Preservation free
- EO free
- 100% bio-based content on dry matter
EMULSIFIERS

Smart green consciousness solutions

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

- Performance
- Efficacy
- Safety
- Pleasurable use
Emulsifiers

**Specialty bio-based emulsifiers**

**EASYNOV™**
Diotridecanoate - Diotridecyl Xyloide - PEG-20 Diotridecyldimonioacetate

- **Ecological emulsifier for well-being**
- **Benefits**
  - Emulsifier for conventional W/O emulsions even rich in water with a solid process
  - Key ingredient to create GELTRAP™ emulsions extra-ricb in water with a low shear (low energy consumption) & cold process
- **Sensory profile**
  - Conventional W/O emulsions: soft, silky, easy to spread & non sticky skin feel
  - GELTRAP™ emulsions: fresh, soft, cushion & comfortable sensation

**FLUIDANOV™ 20X**
Diotridecanoate - Diotridecyl Xylolate

- **Multi-functional co-emulsifier**
- **Benefits**
  - PEG-free co-emulsifier for conventional W/O emulsions with a cold process
  - Key ingredient to create GELTRAP™ emulsions
  - Texturizing effect for cream gels & O/W emulsions
  - Good pigment dispersing agent
- **Sensory profile**
  - Conventional W/O emulsions: soft, silky, easy to spread & non sticky skin feel
  - GELTRAP™ emulsions: fresh, soft, cushion & comfortable sensation
  - Cream gels and O/W emulsions: soft & emollient skin feel

**FLUIDIFEEL™ EASY**
Lauryl Glucoside - Myristyl Glucoside - Palmitoyl-5-Leucine

- **The emulsifier for fast & easy fluid formulations**
- **Benefits**
  - Easily creates fluid & spreadable formulations
  - Good emulsifying performances
  - Versatility with different type of waxes, up to 80% of oils
  - Hot & cold processable - Fast time & energy during process
- **Sensory profile**
  - Soft & light skin feel
  - Naked skin effect

**MONTANOV™ 481 VG**
Sorbitan Oleyl - Sorbitan - Hydrogenated Castor Oil - Stearic Acid

- **The cold-cream base**
- **Benefits**
  - Natural lipophilic emulsifier derived from vegetable origin
  - Various consistencies
- **Sensory profile**
  - Rich & thick skin barrier protection

**MONTANOV™ 14**
Myristyl Alcohol - Myristyl Glucoside

- **Co-emulsifier & green consistency agent**
- **Benefits**
  - Helps to increase the emulsion viscosity & stability
- **Sensory profile**
  - Neutral skin feel

---

**MONTANOV™ 202**
Anethol / Alcohol - Baherol Alcohol - Anethol Glucoside

- **Light & mattifying touch**
- **Benefits**
  - Outstanding emulsifying properties: emulsifies easily all types of oils (80% - 90%) & liquid crystals/meltable phase promoter
  - Active emulsifier: moisturising effect up to 5 hours
  - High pigment compatibility
  - Good compatibility with U/O
  - Fluid to cream textures
- **Sensory profile**
  - Soft, light & matte finish

**MONTANOV™ 68 MB**
Cetyl Alcohol - Cetyl Glucoside

- **The bio-based pioneer**
- **Benefits**
  - Outstanding emulsifying properties: emulsifies easily all types of oils (80% - 90%)
  - Liquid crystals/meltable phase promoter
  - Active emulsifier: moisturising effect up to 5 hours
  - Cream to thick cream textures
- **Sensory profile**
  - Soft, rich & bouncy skin feel

**MONTANOV™ 82**
Cetyl Alcohol - Coco-Glucoside

- **Versatile performance**
- **Benefits**
  - Outstanding emulsifying properties: emulsifies easily all types of oils (80% - 90%)
  - Liquid crystals/meltable phase promoter
  - Active emulsifier: moisturising effect up to 5 hours
  - Good compatibility with organic & inorganic sunscreens
  - High pigment compatibility
  - Versatile textures: from spray to thick creams
- **Sensory profile**
  - Soft, rich & bouncy skin feel

**MONTANOV™ L**
C14-22 Alcohol - C12-20 Alkyl Glucoside

- **Creator of endless textures**
- **Benefits**
  - Outstanding emulsifying properties: emulsifies easily all types of oils (80% - 90%)
  - Liquid crystals/meltable phase promoter
  - Active emulsifier: moisturising effect up to 5 hours & up to 24 hours in combination with AQUAXYL™
  - High pigment compatibility
  - Versatile textures: from spray to thick creams
- **Sensory profile**
  - Soft & light skin feel

**MONTANOV™ S**
Coco-Glucoside - Coconut Alcohol

- **Excellent universal co-emulsifier**
- **Benefits**
  - Liquid crystals/meltable phase promoter
  - Active emulsifier: moisturising effect up to 5 hours
  - Good compatibility with organic & inorganic sunscreens
  - Texturizing agent for cream gels formulas
- **Sensory profile**
  - Neutral skin feel
**SENSANOV™ WR**

**C20-22 Alkyl Phosphate - C20-22 Alcohols**

**Sensanov™ WR**

**Softness & water resistance**

**Benefits**
- Extraordinary emulsifying properties: emulsifies easily all types of oils up to 50%.
- Good compatibility with organic & inorganic sunscreens.
- High pigment compatibility.
- Water resistant property.
- Fluid to cream textures.

**Sensory profile**
- Light, velvety & powdery skin feel.

**C20-22 Alkyl Phosphate - C20-22 Alcohols**

**Sensanov™ WR**

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

---

**CIRE DE LANOL CTO**

**Caster Alchohol - Casterath-22**

**Form:** solid flakes  
**Function:** O/W self emulsifying base  
**HLB:** 15.6  
**Preservative free**

**MONTANE™ 20**

**Sorbitan Laurate**

**Form:** liquid  
**Function:** lipophilic emulsifier  
**HLB:** 6.6  
**Preservative free**

**MONTANE™ 60**

**Sorbitan Stearate**

**Form:** liquid  
**Function:** lipophilic emulsifier  
**HLB:** 4.7  
**Preservative free**

**MONTANE™ 70**

**Sorbitan Monostearate**

**Form:** liquid  
**Function:** lipophilic emulsifier  
**HLB:** 4.3  
**Preservative free**

**MONTANE™ 80 VG**

**Sorbitan Oleate**

**Form:** liquid  
**Function:** lipophilic emulsifier  
**HLB:** 4.3  
**Preservative free**

**MONTANE™ 83 VG**

**Sorbitan Sesquioleate**

**Form:** liquid  
**Function:** lipophilic emulsifier  
**HLB:** 3.7  
**Preservative free**

**MONTANOX™ 20 DF**

**Polysorbate 20**

**Form:** liquid  
**Function:** hydrophilic emulsifier, solubilizing agent  
**HLB:** 16.7  
**Preservative free**

**MONTANOX™ 60 DF**

**Polysorbate 60**

**Form:** liquid  
**Function:** hydrophilic emulsifier, solubilizing agent  
**HLB:** 16.5  
**Preservative free**

**MONTANOX™ 80 VG DF**

**Polysorbate 80**

**Form:** liquid  
**Function:** hydrophilic emulsifier, solubilizing agent  
**HLB:** 15  
**Preservative free**

**SIMULSOL™ 165**

**PEG-10 Stearate - Glycerin Stearate**

**Form:** solid pellets  
**Function:** O/W self emulsifying base  
**HLB:** 14.9  
**Preservative free**

**SIMULSOL™ 58**

**Ceteth-20**

**Form:** solid flakes  
**Function:** O/W emulsifier  
**HLB:** 15.7  
**Preservative free**

**SIMULSOL™ 68 PHA**

**Ceteareth-22**

**Form:** solid flakes  
**Function:** hydrophilic emulsifier  
**HLB:** 15.5  
**Preservative free**

**SIMULSOL™ 98**

**Ceteareth-98**

**Form:** solid flakes  
**Function:** hydrophilic emulsifier  
**HLB:** 15.6  
**Preservative free**

**SIMULSOL™ CS**

**Ceteareth-32**

**Form:** solid flakes  
**Function:** hydrophilic emulsifier  
**HLB:** 9.2  
**Preservative free**

---

**Specialty bio-based emulsifiers**

<table>
<thead>
<tr>
<th>Product</th>
<th>Form</th>
<th>Function</th>
<th>HLB</th>
<th>Preservative</th>
</tr>
</thead>
<tbody>
<tr>
<td>C20-22 Alkyl Phosphate - C20-22 Alcohols</td>
<td>solid flakes</td>
<td>O/W emulsifier</td>
<td>Preservative free</td>
<td></td>
</tr>
<tr>
<td>CIRE DE LANOL CTO</td>
<td>solid flakes</td>
<td>O/W self emulsifying base</td>
<td>15.6</td>
<td>Preservative free</td>
</tr>
<tr>
<td>MONTANE™ 20</td>
<td>liquid</td>
<td>lipophilic emulsifier</td>
<td>6.6</td>
<td>Preservative free</td>
</tr>
<tr>
<td>MONTANE™ 60</td>
<td>liquid</td>
<td>lipophilic emulsifier</td>
<td>4.7</td>
<td>Preservative free</td>
</tr>
<tr>
<td>MONTANE™ 70</td>
<td>liquid</td>
<td>lipophilic emulsifier</td>
<td>4.3</td>
<td>Preservative free</td>
</tr>
<tr>
<td>MONTANE™ 80 VG</td>
<td>liquid</td>
<td>lipophilic emulsifier</td>
<td>4.3</td>
<td>Preservative free</td>
</tr>
<tr>
<td>MONTANE™ 83 VG</td>
<td>liquid</td>
<td>lipophilic emulsifier</td>
<td>3.7</td>
<td>Preservative free</td>
</tr>
<tr>
<td>MONTANOX™ 20 DF</td>
<td>liquid</td>
<td>hydrophilic emulsifier, solubilizing agent</td>
<td>16.7</td>
<td>Preservative free</td>
</tr>
<tr>
<td>MONTANOX™ 60 DF</td>
<td>liquid</td>
<td>hydrophilic emulsifier, solubilizing agent</td>
<td>14.9</td>
<td>Preservative free</td>
</tr>
<tr>
<td>MONTANOX™ 80 VG DF</td>
<td>liquid</td>
<td>hydrophilic emulsifier, solubilizing agent</td>
<td>15</td>
<td>Preservative free</td>
</tr>
<tr>
<td>SIMULSOL™ 165</td>
<td>solid pellets</td>
<td>O/W self emulsifying base</td>
<td>14.9</td>
<td>Preservative free</td>
</tr>
<tr>
<td>SIMULSOL™ 58</td>
<td>solid flakes</td>
<td>O/W emulsifier</td>
<td>15.7</td>
<td>Preservative free</td>
</tr>
<tr>
<td>SIMULSOL™ 68 PHA</td>
<td>solid flakes</td>
<td>hydrophilic emulsifier</td>
<td>15.5</td>
<td>Preservative free</td>
</tr>
<tr>
<td>SIMULSOL™ 98</td>
<td>solid flakes</td>
<td>hydrophilic emulsifier</td>
<td>15.6</td>
<td>Preservative free</td>
</tr>
<tr>
<td>SIMULSOL™ CS</td>
<td>solid flakes</td>
<td>hydrophilic emulsifier</td>
<td>9.2</td>
<td>Preservative free</td>
</tr>
</tbody>
</table>
Our expertise in sensorial & texture analysis, together with our constant follow-up of future market trends brings you creative ideas & inspirational formulations.

SENSORY INGREDIENTS

A palette of solutions & sensations
Texturizing agents

**EMOSMART™ V21**
C18-27 Alkane

- **Benefits**: Excellent compatibility with esters, vegetable, mineral oils
- **Sensorial profile**: Fresh texture, soft finish & matt veil

**LANOL 1688**
C15-17 Alkane

- **Benefits**: Water repellent
- **Sensorial profile**: Soft & light

**LANOL 2681**
C15-19 Alkane

- **Benefits**: Superfatting agent
- **Sensorial profile**: Soft & light

**LANOL 37 T**
C13-15 Alkane

- **Benefits**: Water repellent
- **Sensorial profile**: Soft & light

**LANOL 99**
Isononyl Isononanoate

- **Benefits**: Excellent compatibility with silicone oils
- **Sensorial profile**: Soft & light

---

**Cocoon Green Emollient**
C15-19 Alkane*- Plant-based & Renewable

- **Benefits**: Excellent compatibility with esters, vegetable, mineral oils
- **Sensorial profile**: Fresh & comfortable, powdery veil

**Very light bio-based emollient**
C15-19 Alkane*- Plant-based & Renewable

- **Benefits**: Biodegradable alternative to volatile silicone oil
- **Sensorial profile**: Fresh & gliding sensation, powdery afterfeel

**Light bio-based emollient**
C15-19 Alkane*- Plant-based & Renewable

- **Benefits**: Biodegradable alternative to silicone oil
- **Sensorial profile**: Fresh & vanishing, matt veil

**Cocoon emollient**
C15-19 Alkane

- **Benefits**: Excellent compatibility with esters, vegetable, mineral oils
- **Sensorial profile**: Fresh & vanishing texture, matt veil

**Very light emollient**
C15-19 Alkane

- **Benefits**: Excellent compatibility with silicone, esters, vegetable and mineral oils
- **Sensorial profile**: Fresh & vanishing texture, dry & matt veil

**Light emollient**
C15-19 Alkane

- **Benefits**: Excellent compatibility with esters, vegetable, mineral oils
- **Sensorial profile**: Fresh & vanishing texture, matt veil

---

**Solubility**: Liposoluble
**Form**: Liquid
**Function**: Emollient
**Viscosity**: 4.5 mPa.s
**Preservative free**

**Solubility**: Liposoluble
**Form**: Liquid
**Function**: Emollient
**Viscosity**: 8.6 mPa.s
**Preservative free**

**Solubility**: Liposoluble
**Form**: Liquid
**Function**: Emollient
**Viscosity**: 16 mPa.s
**Preservative free**

**Solubility**: Liposoluble
**Form**: Liquid
**Function**: Emollient
**Viscosity**: 9 mPa.s
**Preservative free**

**Solubility**: Liposoluble
**Form**: Liquid
**Function**: Emollient
**Viscosity**: 9 mPa.s
**Preservative free**

**Solubility**: Liposoluble
**Form**: Liquid
**Function**: Emollient
**Viscosity**: 26 mPa.s
**Preservative free**

**Solubility**: Liposoluble
**Form**: Liquid
**Function**: Emollient
**Viscosity**: 100 mPa.s
**Preservative free**

**Solubility**: Liposoluble
**Form**: Liquid
**Function**: Emollient
**Viscosity**: 6 mPa.s
**Preservative free**

**EMOSMART™**

- **C69**: C15-19 Alkane*- Plant-based & Renewable

- **C15-19 Alkane**: C15-19 Alkane*- Plant-based & Renewable

- **C31-29 Alkane**: C31-29 Alkane

**SENSORY INGREDIENTS**

**Texturizing agents**

*Plant-based & Renewable

**GEMSEAL®**

- **BioLife Natural Alkane**
- **Specialty Alkane**
## Ingredients

### LANOL 14 M
- **Methyl Methacrylate Crosspolymer**

### LANOL P ECAILLES
- **Elegant vanishing wax**

### MONTANOV™ 14
- **Green texturizer**

### SEPIFEEL™ ONE
- **Sensorial enhancer**

### PHYCCORAIL™
- **Ocean powder**

### SEPIFINE™ BB
- **Bio-sourced texturizer**

### SEPIMAT™ CP 5
- **Quintessential texture**

### Waxes

**LANOL 14 M** Myristyl Monostearate

**LANOL P ECAILLES** Glyceryl Palmitate

**MONTANOV™ 14** Methyl Alcohol - Mysytro Glucoside

**SEPIFEEL™ ONE** Palmitoyl Proline - Mysytro Glucoside - Sodium Palmitoyl Sarcosinate

**PHYCCORAIL™** Lithothamnium Calcium Powder - Mysytro - Laminaria Earthis - Zn Salt

**SEPIFINE™ BB** Amylopectin

**SEPIMAT™ CP 5** Methyl Methacrylate Crosspolymer

### Pure texture

**SEPIMAT™ H10**
- **Methyl Methacrylate Crosspolymer** - Pure texture

**SEPIMAT™ H10 FW**
- **Methyl Methacrylate Crosspolymer** - Pure texture

**SEPIMAT™ HB V**
- **Methyl Methacrylate Crosspolymer**

**SEPIMAT™ P**
- **Polypropylene**

**SEPIMAT™ S8**
- **Methyl Methacrylate Crosspolymer**

**SEPIPRESS™ M**
- **Amylopectin Crosspolymer - Silica**

---

### Benefits

#### Melting provider
- **Benefits**
  - Helps to improve the texture & stability of emulsions
  - Sensorial profile:
    - Soft, rich & velvety skin feel
    - Easy to spread
  - Melting point: ~30°C
  - Forms: easy solid
  - Function: texturizing agent, O/W co-emulsifier

#### Elegant vanishing wax
- **Benefits**
  - Helps to improve the texture & stability of emulsions
  - Sensorial profile:
    - Soft, rich & velvety skin feel
    - Easy to spread
  - Melting point: 63-65°C
  - Forms: solid flakes
  - Function: texturizing agent, O/W co-emulsifier

#### Green texturizer
- **Benefits**
  - Helps to improve the texture & stability of emulsions
  - Sensorial profile:
    - Neutral skin feel
    - Easy to spread
  - Melting point: 46-50°C
  - Forms: solid flakes
  - Function: texturizing agent, O/W co-emulsifier

#### Sensorial enhancer
- **Benefits**
  - Helps to improve the texture & stability of emulsions
  - Sensorial profile:
    - Matte & dry effect
  - Melting point: 66-68°C
  - Forms: solid flakes
  - Function: texturizing agent, O/W co-emulsifier

#### Ocean powder
- **Mode of action**
  - 30% oil absorption
  - Anti-shine
  - 30% oil absorption
  - Softness & a matte effect in formulation
  - Helps to improve the texture & stability of emulsions
  - Sensorial profile:
    - Matte & dry effect
  - Solubility: hydro-dispersible
  - Particle size: 1 to 3µ
  - Function: texturizing agent

#### Bio-sourced texturizer
- **Benefits**
  - 100% biodegradable
  - Highly hydro-dispersible
  - Soft & velvety feel
  - Melting point: 46-68°C
  - Melting point: 46-68°C

#### Quintessential texture
- **Benefits**
  - Ultra soft solid microsphere with a smooth surface
  - Leaves a soft powdery feel onto the skin with a matt finish
  - Sensorial profile:
    - Powderly & light sensation
  - Melting point: 68-70°C
  - Forms: solid flakes
  - Function: texturizing agent, O/W co-emulsifier

---

### Sensorial profile

- **Elegant vanishing wax**
  - Ultra-soft solid microspheres with a smooth surface
  - Leaves a soft & powdery feel onto the skin
  - Readily biodegradable

- **SEPIMAT™ H10**
  - Hydro-spherical shape powder
  - Excellent absorption & texturizing properties
  - Easy to press & perfect for use, hot powdered & pressed powder applications as well as emulsions
  - Sensorial profile:
    - Ultra soft afterfeel
  - Function:
  - Acceptance: hydro-dispersible
  - Particle size: 5 to 15 µ
  - Solubility: preservative free

- **SEPIMAT™ H10 FW**
  - Hydro-spherical with a smooth surface that deliver a smooth & matte effect in formulation
  - Excellent oil absorption capacity
  - Rates as very vegetable based oil
  - Sensorial profile:
    - Ultra soft afterfeel
  - Function:
  - Acceptance: hydro-dispersible
  - Particle size: 5 to 15 µ
  - Solubility: preservative free

- **SEPIMAT™ HB V**
  - Hydro-spherical with a smooth surface that deliver a smooth & matte effect in formulation
  - Excellent oil absorption capacity
  - Rates as very vegetable based oil
  - Sensorial profile:
    - Powderly texture
  - Function:
  - Acceptance: hydro-dispersible
  - Particle size: 5 to 15 µ
  - Solubility: preservative free

- **SEPIMAT™ P**
  - Solid & smooth, sphere - perfect choice for all types of skin care formulation
  - Sensorial profile:
    - Soft afterfeel
  - Function:
  - Acceptance: hydro-dispersible
  - Particle size: 5 to 15 µ
  - Solubility: preservative free

- **SEPIMAT™ S8**
  - Absorbent, soft microspheres ideal for soft skin
  - Articulate appearance
  - Excellent oil absorption capacity
  - Rates as very vegetable based oil
  - Softness & a matte effect in formulation
  - Sensorial profile:
    - Barely there, powderly nude skin feel
  - Function:
  - Acceptance: hydro-dispersible
  - Particle size: 1 to 5µ
  - Solubility: preservative free

- **SEPIPRESS™ M**
  - Camera-ready flawless textures
  - Soft matifying powder
  - Super & deformable small beads
  - Creates pressed powders that are easy to pick up & shock resistant
  - Excellent candidate for all types of antishine formulations
  - Sensorial profile:
    - Silky smooth, powdery afterfeel
  - Function:
  - Acceptance: hydro-dispersible
  - Particle size: 5 to 15 µ
  - Solubility: preservative free

---

### Wrapp...
Specially designed for gentle cleansing, sensorial foams & softly protected beauty care.
Foaming & Solubilizing agents

Aminoacid derived surfactants

ORAMIX™ L 30
Sodium Lauroyl Sarcosinate

Top choice for SLES free formulations

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

Sensorial profile
- Light & soft foam

Type: anionic
Form: liquid
Function: foaming
Dry extract: 50%

PROTEOL™ APL EF
Sodium Cocooyl Apple Amino Acids

Naturally inspired from creamy textures

Benefits
- Excellent foaming ability
- Foam volume and sensory booster with SLES
- Excellent tolerance for skin & eyes

Sensorial profile
- Dense & velvety foam

Type: anionic
Form: liquid
Function: foaming, pigment wetting
Dry extract: 28%
Preservative free

PROTEOL™ OAT PF
Sodium Lauroyl Oat Amino Acids

Unlimited mildness, gentle cleansing

Benefits
- Derived from amino acid characteristics of oats
- Provides a stable, rich foam, very gentle for the skin & the hair
- Maintains the integrity of the skin barrier

Sensorial profile
- Dense & velvety foam

Type: anionic
Form: liquid
Function: foaming, pigment wetting
Dry extract: 30%
Preservative free

Glucose based surfactants

ORAMIX™ CG 110
Caprylyl/Capryl Glucoside

100% bio-based foaming & solubilizing

Benefits
- Gentle cleansing agent
- Provides a light foam
- Ideal for formulations containing essential oils, fragrances & cationic surfactants in foaming formulas

Sensorial profile
- Light foam

Type: non-ionic
Form: liquid
Function: foaming, solubilizing
Dry extract: 60%

ORAMIX™ NS 10
Decyl Glucoside

100% bio-based high foaming power

Benefits
- Very well tolerated gentle cleanser
- Maintains the biological equilibrium of the skin

Sensorial profile
- Light & abundant foam

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

SEPICLEAR G7™
Methyl Glucoside

100% bio-based hydrophilic stabilizer

Benefits
- Excellent solubilizer/co-emulsifier
- Good wetting properties
- Non-foaming surfactant
- Resistant in extreme pH

Sensorial profile
- Soft foam

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

Specific blends

ORAMIX™ GB 10
Decyl Glucoside - Cocamidopropyl Betaine

The cold climate optimal blend

Benefits
- Excellent solubilizer/co-emulsifier
- Good wetting properties
- Non-foaming surfactant
- Concentrated hydrophilic
- Resistant in extreme pH

Sensorial profile
- Soft foam

Type: non-ionic/amphoteric
Form: liquid
Function: foaming
Dry extract: 45%

ORONAL LCG E OD
PEG-40 Glyceryl Cocoate - Sodium Cocoyl Sulfate

Extreme mildness

Benefits
- Colorless & odourless surfactant
- Outstanding eye & skin tolerance
- Ideal for sensitive skin & fragile skins
- Ideal for sensitive & fragile skin

Sensorial profile
- Soft foam

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

**AMONYL™ 380 BA**
Coconutmilkpropyl Betaine
- Betaine
- Provides a fine foam that is stable over time
- Stabilizes & boosts the foam of anionic surfactants

**AMONYL™ 675 SB**
Coconutmilkpropyl Hydroxyethylammonium
- Sulfoacetate
- Substantivity enhanced at acidic pH values
- Provides light foam stable over time
- Good frothing synergy with anionic surfactants

**MONTANOX™ 20 DF**
Polyoxylate 20
- Excellent solubilizing agent

**MONTANOX™ 80 VG DF**
Polyoxylate 80
- Solubilizing agent

**SIMULSOL™ 1292 DF**
PEG-20 Hydrogenated Castor Oil
- Non-ionic solubilizing surfactant
- Solubilizer for essential oils & cosmetic active ingredients

**SIMULSOL™ 1293**
PEG-40 Hydrogenated Castor Oil
- Non-ionic solubilizing surfactant
- Solubilizer for essential oils & cosmetic active ingredients

**SIMULSOL™ 220 TM**
PEG-200 Glycerin Stearate
- Non-ionic surfactant
- Thickeners for foaming formulas
- Reduces irritation caused by SLES

**SIMULSOL™ 98**
Oleostearin
- Excellent solubilizing agent

---

**MICRO ALGUE 80**
Diatomaceous Earth (Solum Diatomeae)
- Form: liquid
- HLB: 16.7
- Function: solubilizer, hydrophilic emulsifier
- Preservative free

**SEL GRAIN™**
Sea Salt
- Form: powder
- Dry extract: 35%
- Particle size: <2 mm
- Preservative free

---

**Scrubs**

**Marine peeling**
Diatomaceous Earth (Solum Diatomeae)
- Benefits
  - Gentle peeling agent
  - Sensorial profile
- Sensation
- Pure crystal for a body shape

**Salt of the sea**
Sea Salt
- Benefits
  - Gentle peeling agent
  - Sensorial profile
- Pure crystal for a body shape

---

**Others**

**AMONYL™ 380 BA**
Coconutmilkpropyl Betaine
- Betaine
- Provides a fine foam that is stable over time
- Stabilizes & boosts the foam of anionic surfactants

**AMONYL™ 675 SB**
Coconutmilkpropyl Hydroxyethylammonium
- Sulfoacetate
- Substantivity enhanced at acidic pH values
- Provides light foam stable over time
- Good frothing synergy with anionic surfactants

**MONTANOX™ 20 DF**
Polyoxylate 20
- Excellent solubilizing agent

**MONTANOX™ 80 VG DF**
Polyoxylate 80
- Solubilizing agent

**SIMULSOL™ 1292 DF**
PEG-20 Hydrogenated Castor Oil
- Non-ionic solubilizing surfactant
- Solubilizer for essential oils & cosmetic active ingredients

**SIMULSOL™ 1293**
PEG-40 Hydrogenated Castor Oil
- Non-ionic solubilizing surfactant
- Solubilizer for essential oils & cosmetic active ingredients

**SIMULSOL™ 220 TM**
PEG-200 Glycerin Stearate
- Non-ionic surfactant
- Thickeners for foaming formulas
- Reduces irritation caused by SLES

**SIMULSOL™ 98**
Oleostearin
- Excellent solubilizing agent
Preservatives & Boosters

**The “natural & green” preservative**

**AMINAT® G**
Glycerin - Ethyl Lauroyl Arginate HCl

- Benefits:
  - It presents a very large spectrum, efficacious at low levels, biodegradable, non irritant for eyes or skin.
  - Ideal for sensitive & fragile skin.
  - Large MIC & Challenge tests values.
  - Identified mechanism of action.

**SEPICIDE™ HB**
Phenoxyethanol - Methylparaben - Ethylparaben - Propylparaben

- Benefits:
  - Large activity spectrum against bacteria, yeasts and moulds.

**SEPICIDE™ LD**
Phenoxyethanol

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

**FLUIDIPURE™ 8G**
Hexylene Glycol - Capryloyl Glycine - Xylitylglucoside

- Benefits:
  - Helps reinforce conventional preservative systems & is more adapted to the need of sensitive or fragile skin.
  - Strengthens protection of conventional preservative against bacteria, yeasts & moulds in a ready-to-use liquid form.

**LIPACIDE™ C8G**
Capryloyl Glycine

- Benefits:
  - Helps reinforce conventional preservative systems & is more adapted to the need of sensitive or fragile skin.

**LIPACIDE™ UG**
Undecylenoyl Glycine

- Benefits:
  - Helps reinforce conventional preservative systems & is more adapted to the need of sensitive or fragile skin.

---

**Expert solutions**

SEPPIC Beauty Care offers you a large variety of expert formulations that fit your needs. Among which…

**CREAM GEL TEXTURES**

With our HSD polymers

See p.44 our polymeric thickeners & stabilizers

**LIQUID CRYSTALS EMULSIONS & LAMELLAR PHASES**

With our glycolipids emulsifiers

See p.51 our specialty bio-based emulsifiers

**TEXTURIZING POWDERS**

Spheric, hollow, marine… a full palette to customize your sensorials

Discover SEPIMAT™, PHYCOCORAIL™ p.58
| A-DIPOLESS ™ | 14, 33 | Butylene Glycol - Cloisoplatium Glaucus Seed Extract |
| ADIPOSLIM ™ | 33 | Sotolane Laurate - Lauryl Palmitate |
| ALARIANE ™ | 36 | Aquaphilane - Butylene Glycol - Helix Aspersa Maxima Extract |
| AMBRE OCEANE ™ SPE | 11, 13 | Aquaphilane - Pennaria Catenulata Extract |
| AMBRE OCEANE ™ 2C | 11, 13 | Aquaphilane - Pennaria Catenulata Extract |
| AMBITIA EXTRACT | 11 | Aquaphilane - Oryza - Himemusa Appendiculata Leaf Extract |
| AMINAT ™ G | 66 | Euphrasia - Butylene Glycol - Hydroxyl-
| AMONYL ™ 30 BA | 64 | Crinum sp. - Phytoformulate HCO |
| AMONYL ™ 475 SB | 64 | Crinum sp. - Phytoformulate HCO |
| ANTELIQUEINE E ™ | 11, 18, 20 | Capparosapiens Rhipidostoma - Larimarche Olitorius Extract |
| AQUA XYL ™ | 23, 26 | Xylitylglycerin - Antipaludis - Trifolium |
| ASIATIC ACID | 16 | Asiatic Acid |
| ASIATICOSIDE | 11 | Asiaticoside |
| ASPARAGE ™ | 11 | Asparagus Petroselinum - Asparagus petroselinum Extract |
| BIOENERGIZER ™ P BG PF | 36 | Aquaphilane - Butylene Glycol - Passiflora Edulis - Laminaria Digitata Extract - *Butylene Glycol - Renovating |
| BIO EXTENDER ™ SPE | 36 | Hydrolyzed Rhamnus Powder Extract |
| BIOPLASMA ™ BG | 15, 27 | Aquaphilane - Butylene Glycol - Passion Fruit Extract - *Butylene Glycol - Renovating |
| BIOPLASMA ™ FA | 11, 17 | Aquaphilane - Butylene Glycol - Passion Fruit Extract - *Butylene Glycol - Renovating |
| BIORESTORER ™ PF | 36 | Aquaphilane - Butylene Glycol - Himemusa Appendiculata Extract |
| BLUE SEAKALE HC | 36 | Aquaphilane - Butylene Glycol - Crambe Maritima Leaf Extract - *Butylene Glycol - Renovating |
| BLUE SEAKALE SC | 18 | Crambe Maritima Leaf Extract - Crambe Maritima Leaf Extract |
| CAPIGEL 91 ™ | 43 | Anacardioglucoside |
| CELTOSOME ™ COTRIPHYM MAINTIUM | 13, 22, 24 | Ciliophyrum Minimum Cilium Cilium Filamen |
| CELTOSOME ™ ETHYраGUM MAINTIUM | 13 | Ciliophyrum Minimum Cilium Cilium Filamen |
| CERAMOSIDES ™ HP | 23 | Gigartina stellata Extract |
| CIRE DE LANOL CTO | 53 | Crambe Maritima - Crambe maritima |
| CODIAVELANE ™ BG PF | 27 | Butylene Glycol - Aquaphilane - Codium Sorrentinum Extract - *Butylene Glycol - Renovating |
| CONTACTICEL ™ | 12, 24 | Aquaphilane - Butylene Glycol - Hydrolyzed Rhamnus Powder Extract |
| EASYKON ™ | 50 | Distyphaneirhinus - Oxytropis crassicaulis - Phytolacca esculenta |
| EMBELIA EXTRACT | 22 | Euphorbia - Aquaphilane - Bixa Coccifera Fruit Extract |
| EMOGREEN ™ CB | 96 | C13-18 Molecule - B. Capsaicin/Capsaicin - *Butylene Glycol & Renovating |
| EMOGREEN ™ L15 | 96 | C15-18 Molecule - *Butylene Glycol & Renovating |
| EMOGREEN ™ L19 | 96 | C15-18 Molecule - *Butylene Glycol & Renovating |
| EMOSMART ™ C28 | 96 | C28-30 Molecule |
| EMOSMART ™ L15 | 96 | C15-18 Molecule |
| EMOSMART ™ V21 | 97 | C18-18 Molecule |
| EPHEROS ™ | 12, 16 | Capparosapiens Rhipidostoma - Undaria Picniifolia Extract |
| EQUIBIOME ™ | 20 | Phytoaromatic - Aquaphilane - Actinomyces West Extract |
| FLAKES OF CHONDRIUS CRISPUS | 33 | Chondrus crispus Extract |
| FLUIDANO™ 20X | 50 | Distyphaneirhinus - Oxytropis crassicaulis |
| FLUIDFEEL ™ EASY | 50 | Laminaria digitata Extract - Myrtillus Extract - Phyllospora Crucis Extract |
| FLUIDIPURE ™ 8G | 20, 26, 33 | Laminaria digitata Extract - Carthamum Opium - Glycolipids Extract |
| GELALO ™ SPE | 16, 16 | Aquaphilane - Clopepsigena |
| GULF STREAM SEA SEEMISS™ | 15 | Rex Salt |
| HETEROSIDES | 20 | Delphinium Atropurpureum Leaf Extract |
| HYDRAIOIR ™ CC | 39 | Aquaphilane - Chondrus Crispus Extract - Hypnea Oceanica Extract |
| HYDRAIOIR ™ LD | 39 | Aquaphilane - Laminaria Digitata Extract |
| INULA HC | 37 | Capparosapiens Rhipidostoma - Undaria Picniifolia Extract |
| JUVENESSENCE ™ | 12, 13, 13 | Capparosapiens Rhipidostoma - Undaria Picniifolia Extract |
| KALPARINE ™ | 13, 16 | Capparosapiens Rhipidostoma - Undaria Picniifolia Extract |
| LANOL 14 M | 59 | Myrcianum Myrcinae |
| LANDOL 188 | 57 | Olea oleifera |
| LANOL 2881 | 57 | Olea oleifera Olea oleifera |
| LANOL 37 F | 57 | Eucalyptus Extract |
| LANOL 99 | 57 | Aesculus hippocastanum |
| LANOL P E CALLES | 59 | Euphorbia Coccifera Extract |
| LIPASIC ™ CRG | 24, 66 | Capparosapiens Rhipidostoma |
| LIPASIC ™ UG | 24, 66 | Undaria picniifolia Extract |
| MADECAIOSIDE | 30 | Madecaioside |
Abreviation list

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>αSMA</td>
<td>alpha smooth muscle actin</td>
</tr>
<tr>
<td>AGE</td>
<td>advanced glycation end products</td>
</tr>
<tr>
<td>AHA</td>
<td>alpha hydroxyacid</td>
</tr>
<tr>
<td>AOP</td>
<td>aquaporin</td>
</tr>
<tr>
<td>ATP</td>
<td>adenosine triphosphate</td>
</tr>
<tr>
<td>BG</td>
<td>butylene glycol</td>
</tr>
<tr>
<td>BIP</td>
<td>binding immunoglobulin protein</td>
</tr>
<tr>
<td>CAMP</td>
<td>cyclic adenosine monophosphate</td>
</tr>
<tr>
<td>CHOP</td>
<td>C/EBP homologous protein</td>
</tr>
<tr>
<td>COL or COLL</td>
<td>collagen</td>
</tr>
<tr>
<td>COX</td>
<td>cyclooxygenase</td>
</tr>
<tr>
<td>DEJ</td>
<td>dermo-epidermal junction</td>
</tr>
<tr>
<td>DNA</td>
<td>desoxynucleic acid</td>
</tr>
<tr>
<td>ECM</td>
<td>extracellular matrix</td>
</tr>
<tr>
<td>EDNRB</td>
<td>endothelin-receptor type B</td>
</tr>
<tr>
<td>GAG</td>
<td>glycopyrinoglycan</td>
</tr>
<tr>
<td>HBd</td>
<td>human beta defensin</td>
</tr>
<tr>
<td>HSD</td>
<td>hydro swelling droplets</td>
</tr>
<tr>
<td>IFN</td>
<td>interferon</td>
</tr>
<tr>
<td>IL</td>
<td>interleukine</td>
</tr>
<tr>
<td>IR</td>
<td>infrared</td>
</tr>
<tr>
<td>KLK</td>
<td>kallikrein</td>
</tr>
<tr>
<td>LTB4</td>
<td>leukotriene B4</td>
</tr>
<tr>
<td>MDA</td>
<td>malonaldehyde</td>
</tr>
<tr>
<td>MIC</td>
<td>minimal inhibitory concentration</td>
</tr>
<tr>
<td>MRC1</td>
<td>macrophage inhibitory cytokine 1</td>
</tr>
<tr>
<td>MITF</td>
<td>microphthalmia associated transcription factor</td>
</tr>
<tr>
<td>MMF</td>
<td>marine moisturizing factor</td>
</tr>
<tr>
<td>MMP</td>
<td>matrix metalloproteinase</td>
</tr>
<tr>
<td>mTOR</td>
<td>mechanistic target of rapamycin</td>
</tr>
<tr>
<td>NFκB</td>
<td>nuclear factor kappa B</td>
</tr>
<tr>
<td>NMF</td>
<td>natural moisturizing factor</td>
</tr>
<tr>
<td>O/W</td>
<td>oil in water</td>
</tr>
<tr>
<td>PALGly</td>
<td>palmitoyl glycine</td>
</tr>
<tr>
<td>PAR2</td>
<td>proteinase activated receptor 2</td>
</tr>
<tr>
<td>PASI</td>
<td>psoriasis area severity index</td>
</tr>
<tr>
<td>PEG</td>
<td>polyethylene glycol</td>
</tr>
<tr>
<td>PG</td>
<td>prostaglandin</td>
</tr>
<tr>
<td>PMMA</td>
<td>polymethylmethacrylate</td>
</tr>
<tr>
<td>ROS</td>
<td>reactive oxygen species</td>
</tr>
<tr>
<td>SKALP</td>
<td>skin derived antileukoprotease</td>
</tr>
<tr>
<td>SPA</td>
<td>sana per aquam (health thanks to water)</td>
</tr>
<tr>
<td>TEWL</td>
<td>trans-epidermal water loss</td>
</tr>
<tr>
<td>THBS</td>
<td>thrombospordin</td>
</tr>
<tr>
<td>TIMP</td>
<td>tissue inhibitor of metalloproteinase</td>
</tr>
<tr>
<td>TNF</td>
<td>tumor necrosis factor</td>
</tr>
<tr>
<td>TRP</td>
<td>tyrosinase related protein</td>
</tr>
<tr>
<td>TPSP1</td>
<td>thrombospordin 1</td>
</tr>
<tr>
<td>UV</td>
<td>ultra-violet</td>
</tr>
<tr>
<td>UVA</td>
<td>ultra-violet A</td>
</tr>
<tr>
<td>UVB</td>
<td>ultra-violet B</td>
</tr>
<tr>
<td>VEGF</td>
<td>vascular endothelial growth factor</td>
</tr>
<tr>
<td>W/O</td>
<td>water in oil</td>
</tr>
</tbody>
</table>

FUNCTION

<table>
<thead>
<tr>
<th>Function</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Actives</td>
<td>Sensory Ingredients</td>
</tr>
<tr>
<td>Emulsifiers</td>
<td>Functional Additives</td>
</tr>
<tr>
<td>Polymeric Thickeners &amp; Stabilizers</td>
<td></td>
</tr>
</tbody>
</table>

TECHNOLOGY

<table>
<thead>
<tr>
<th>Technology</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polymer Science</td>
<td>Plant-based Chemistry</td>
</tr>
<tr>
<td>Botanical Extraction</td>
<td>Marine Biotechnologies</td>
</tr>
</tbody>
</table>

APPROVALS

<table>
<thead>
<tr>
<th>Approval</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>China Compliant:</td>
<td>all INCI names are listed on the IECIC list of December 2015.</td>
</tr>
<tr>
<td>QD Additive:</td>
<td>approved as QD additive in Japan.</td>
</tr>
<tr>
<td>ECOCERT Cosmetics:</td>
<td>raw material approved by ECOCERT GREENLIFE, in conformity with Ecocert natural and organic cosmetic standard.</td>
</tr>
<tr>
<td>COSMOS Approved:</td>
<td>raw material approved by ECOCERT GREENLIFE, in conformity with Cosmos standard.</td>
</tr>
<tr>
<td>NATRUE Approved:</td>
<td>raw material certified according to NATRUE standard.</td>
</tr>
<tr>
<td>MassBalance Sourced:</td>
<td>primary sourcing is MassBalance.</td>
</tr>
<tr>
<td>HALAL Certified:</td>
<td>BiotechMarine site &amp; products have been audited &amp; certified by HCS (Halal Certification Services); officially recognized by MUI (Indonesia), JAKIM (Malaysia), MUIS (Singapore), CICOT, and other respected Halal authorities around the world.</td>
</tr>
<tr>
<td>Naturality Profile Available:</td>
<td>naturality profile according to ISO 16 128 norm is available upon request.</td>
</tr>
</tbody>
</table>

Legend

- NOI: Natural Origin Index / NOC: Natural Origin Content

NOI \( \leq \) 0.5 or NOC \( \leq \) 50%

NOI \( > \) 0.5 or NOC \( > \) 50%

NOI \( = \) 1 or NOC \( = \) 100%
By using Balance Silk paper FSC certified rather than non-recycled paper, the environmental impact was reduced by:

- 270 kg of CO₂ or the equivalent of:
  - 2 852 kg of landfill
  - 3 310 km of travel in an average European car
  - 6 870 kg of wood
  - 370 kg of CO₂ or the equivalent of:
  - 6 899 kWh of energy
  - 74 595 liters of water

---

### Environmental calculator

**Size:** 21 x 29.7 cm  
**Quantity:** 5,000 ex

**Cover pages:**  
- **Brand:** Balance Silk paper FSC certified  
- **Number of pages:** 6  
- **Basis weight:** 300 g/m² + matt laminated film

**Text pages:**  
- **Brand:** Balance Silk paper FSC certified  
- **Number of pages:** 76  
- **Basis weight:** 115 g/m² + matt laminated film

---

From well-managed forests
Nota:
The analytical specifications warranted are only those mentioned on the certificate of analysis supplied with each delivery of the product. Except as set forth above, SEPPIC* makes no warranties, whether express, implied or statutory, as to the product which is the subject of this document. Without limiting the generality, of the foregoing, SEPPIC* makes no warranty of merchantability of the product or of the fitness of the product for any particular purpose. Buyer assumes all risk and liability resulting from the use or sale of the product, whether singly or in combination with other goods. The information set forth herein is furnished free of charge and is based on technical data that SEPPIC* believes to be reliable. It is intended for use by persons having technical skill and their own discretion and risk. Since conditions of use are outside SEPPIC*’s control, SEPPIC* makes no warranties, express or implied, and assumes no liability in connection with any use of this information. Nothing herein is to be taken as a license to operate under or a recommendation to infringe any patents.

Air Liquide Healthcare is a world leader in medical gases, home healthcare, hygiene products and healthcare specialty ingredients. It aims to provide customers in the continuum of care from hospital to home with medical products, specialty ingredients and services that contribute to protecting vulnerable lives.

Air Liquide Healthcare is a world leader in medical gases, home healthcare, hygiene products and healthcare specialty ingredients. It aims to provide customers in the continuum of care from hospital to home with medical products, specialty ingredients and services that contribute to protecting vulnerable lives.

SEPPIC is a company of the AIR LIQUIDE group