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

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 process.

The 3 pillars of our CSR policy

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
Our Technologies

Our ingredients are built from our three technology pillars

With POLYMER SCIENCE
SEPPIC Beauty Care re-invents formulation

SEPPIC Beauty Care develops performant high molecular weight rheology modifiers, that are crosslinked and/or branched polyelectrolytes. Our expertise in radical polymerization in inverse emulsion designed as HSD technology (Hydro-Swelling Droplets), takes place through a complete liquid & powder polymer offer, which is at the root of the revolutionized cream-gel textures (cold process technology for higher productivity).

Our complete HSD range (SEPIGEL™ 305, SIMULGEL™, SEPIPLUS™, SEPINOV™), offers a great versatility within the powerful efficiency of multiple technological benefits: thickening, stabilizing, stability to shear stress & temperature variations, ready-to-use (no neutralization), opportunity to design room temperature process emulsions, and a large panel of sensorial profile.

Furthermore by modulating hydrophobic character, our polymeric thickeners & stabilizers offer a new sensorial experience combined with outstanding suspending properties, clarity & high tolerance to salts & surfactants.

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

SEPPIC Beauty Care, expert in sugar & amino acids chemistry, combines raw ingredients in full conformity with the principles of Green Chemistry, to offer you bio-based efficient ingredients.

Glucolipids leading performance in emulsions with a complete palette of textures & sensorial profiles, a variety of vegetable origins & a proven benefit from liquid crystals.

Lipobiovector™ (grafting of an amino acid 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, these molecules are key for cell communication. They are involved in skin barrier repair, maintenance and also in vital skin water reserves.

Mineral concepts offer you essential minerals involved in the cell metabolism, grafted on smart bio-based anions.

With MARINE BIOTECHNOLOGIES
SEPPIC Beauty Care connects you to magical marine actives

BiotechMarine focuses on the natural adaptation strategy of macroalgae, microalgae & marine plants which are exposed to extreme conditions such as light, waves, nutrition, UV, osmotic pressure by the ocean. Thanks to biotechnologies, we explore a large field of new sourcing with plant cells & algae cells cultivated in laboratory.

CELEBRITY™: this new technology offers active ingredients from macroalgae cells which are not available in the ocean in large quantities. The BiotechMarine process includes the collection of microscopic macroalgae life at a specific stage, the isolation of a particular species, and cell culture in photo bioreactors. Seawater samples from around the Brehat Archipelago are very rich in biodiversity & contain hundreds of microscopic species in suspension.

CELTOSOME™: these plant cells have the ability either to differentiate into all cell types, or to self-renew at an undifferentiated stage, thus they simultaneously manage two types of metabolites (primary metabolites essential for growth, development & reproduction, and secondary metabolites to adapt to external stress). BiotechMarine supplies the pure cell powder, concentrating the highest diversity of both lipoi & hydrosoluble molecules.

Algae & plant extracts: the composition of algae and plant extracts gives them numerous opportunities to be used as active ingredients. BiotechMarine has a direct connection to freshly sourced algae in Brittany. We source these natural resources responsibly as well as using field cultivation methods for protected species.
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.
Skin Care solutions at a glance

**Firmness & Wrinkles**
- AMBRE OCEANETM SPE
- BIOPLASMATM BG
- GULF STREAM SEA WATERTM OLIGOPHYCOCORAIL SPE
- SEPITONICTM M3
- SEPITONICTM M4
- ADIPOLESTM
- AMBRE OCEANETM SPE
- ANTILEUKINE 6TM
- BIOPLASMATM FA
- CELTOSOMETM
- CRITHMUM MARITIMUM ST
- CELTOSOMETM
- ERYNGIUM MARITIMUM ST
- AMBRE OCEANETM SPE
- KALPARIANE ADTM
- SEA LAVENDER SC
- SEPILIFTTM DPHP
- VOLUFORMTM

**ANTI-AGING**

**Plumping**
- AMBRE OCEANETM SPE
- CELTOSOME™ AD
- SEA LAVENDER SC
- SEPLIFT™ DPHP
- VOLUFORM™

**Eye contour**
- ADIPOLESTM

**Tightening**
- GELALG™ SPE
- SESAFLASH™

**Energizing**
- BIOPLASMATM BG
- GULF STREAM SEA WATERTM
- OLIGOPHYCOCORAIL SPE
- SEPTONICTM M3
- SEPTONICTM M4

**Skin barrier**
- AQUAXYLM

**MOISTURIZATION**
- OLIGOGELINETM PF
- SEAMOSSTM BG PF
- SEPICALMTM S WP
- NATIVE ESSENCE™
- TIMECODE™
- SEPIMAT™ SB

**SKIN COMPLEXION**
- CELTOSOME™ CRITHMUM MARITIMUM ST
- SEASHINETM
- SEPICALMTM VG WP
- LIPACIDETM UG
- SEPIWHITETM MSH
- SEPIWHITETM MSH QD
- NATIVE ESSENCE™
- CERAMOSIDES™ HP
- TIMEDERM™

**Lightening**
- CELTOSOME™ CRITHMUM MARITIMUM ST
- SEASHINETM
- SEPICALMTM VG WP

**Radiance**
- NATIVE ESSENCE™
- TIMECODE™

**Pore minimizer**
- AQUAXYLM

**Photo-aging protection**
- ANTILEUKINE 6TM
- BLUE SEAKALE SC
- JUVENESSENCE™ AD
- PHYTO AGE™
- SEA LAVENDER SC
- SEPIVITAL
- SURVICODE™

**Soothing**
- ANTI-LEUKINE 6™
- CELTOSOME™ CRITHMUM MARITIMUM ST
- GULF STREAM SEA WATER™
- SEA MAYWEED SC
- SEA STARWORT BG
- SEA STARWORT OIL
- SEPICALM™ SWP
- SEPICONTROL™ AS

**Slimming**
- ADIPOLESSTM
- ADIPOSLIMTM
- PHYCOBOREANETM 2C
- RHODYSTEROLTM S
- CHONDRUS CRISPUS FLAKES
- MICRO ALGUE 80
- SEL GRAN™

**Body Shape**
- SEPICALMTM S WP
- SEPICALMTM VG WP

**SPA**
- CHONDRIUS CRISPUS FLAKES
- MICRO ALGUE 80
- SEL GRAN™

**Skin Balance**
- FLUIDIPURE™ BG
- LIPACIDE™ CRG
- SEPICONTROL™ AS

**Oil control**
- FLUIDIPURE™ BG
- LIPACIDE™ CRG
- PHYRORIGINE™ BG PF
- SEPICONTROL™ AS
- SEPIMAT™ H11
- SEPIMAT™ H11 FW

**Anti-blemish & Acne prone skin**
- SEPICONTROL™ AS

**Daily Defense**
- EPHEMERTM
- PYRENOINETM PF
- SEPLIFT™ DPHP
- SEPTONICTM M3
- SEPTONICTM M4
- JUVENESSENCE™ AD
- NATIVE ESSENCE™
- VOLUFORM™

**Dehydrating & Anti-pollution**
- BIOPLASMATM FA
- JUVENESSENCE™ AD
- NATIVE ESSENCE™

**Firming**
- KALPARIANE ADTM
- SCULPTOSANETM
- SEPILIFTTM DPHP
- VOLUFORMTM

**Plumping**
- VOLUFORMTM

**Hydration**
- AQUAXYLM
- BIOPLASMATM BG
- CODIGAVELANE™ BG PF
- KALPARIANE™ AD
- OLIGOGELINETM PF
- SEAMOSSTM BG PF
- SEPICALMTM S WP

**Radiance**
- NATIVE ESSENCE™
- TIMECODE™

**Pore minimizer**
- AQUAXYLM

**Skin care solutions at a glance**

- Lipophilic
- Amphiphilic
- Hydrophilic
Anti-aging

**AMBRE OCEANE™ SPE**
Aquavitel - Pluteus Canaliculatus Extract

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

**Mode of action**
- Anti-MMP: 32%

**Nature**
Sea alga

**Solubility**
Water soluble

**Form**
Liquid

**Use level**
1%

**Preservative free**

**ANTILEUKINE 6™**
Caprylic/Capric Triglyceride – Laminaria Ochroleuca Extract

**Benefits on volunteers**
- Wrinkle depth: -5% after 2 months
- Firmness: self evaluation

**Mode of action**
- Collagen: +20%
- DAG: +30%
- Anti-MMP: 1, 2, 3 - 20%, 3 - 19%, 9 - 20%

**Nature**
Golden seaweed

**Solubility**
Sporosoluble

**Form**
Powder

**Use level**
2%

**Preservative free**

**BIOPLASMA™ FA**
Aquavitel - Buxus Glucosid - Plantien Extract - Argyrene Pansy - Plantien Origan - Specious Seneciosemia Oligoquae

**Combine desert & ocean strenghts**

**Benefits on volunteers**
- 18% wrinkle depth at day 28, versus day 0

**Mode of action**
- Collagen synthesis

**Nature**
Desert microalgae

**Solubility**
Water soluble

**Form**
Liquid

**Use level**
1%

**Preservative free**

**CELERTOSOME™ CRITHMUM MARITIMUM ST**
Crittbum Maximum Extract

**Rejuvenation from biotechnologies**

**Benefits on volunteers**
- Clinical signs improved: +20% for wrinkle signs, +41% for toxicity versus 10 (10 months treatment) - specifically for affected women
- Better hydration after 2 hours versus placebo

**Mode of action**
- Collagen synthesis

**Nature**
Plant cells from sea fennel

**Solubility**
Sporosoluble

**Form**
Powder

**Use level**
0.1 to 0.2%

**Preservative free**

**CELERTOSOME™ ERYNGIUM MARITIMUM**
Eryngium Maximum Extract

**Full skin renewal from biotechnologies**

**Benefits on volunteers**
- +50% firmness by self evaluation
- Better structure of dermo-epidermal junction, dermis & epidermis: +55% collagen, +98% DAG
- Cell proliferation in epidermis: +19%, mitotic index

**Mode of action**
- Collagen synthesis

**Nature**
Plant cells from sea holy

**Solubility**
Dispersion

**Form**
Liquid

**Use level**
0.1 to 0.2%

**Preservative free**

**EPHEMER™**
Caprylic/Capric Triglyceride – Laminaria Ochroleuca Extract

**Ephemeral sourcing for anti-aging**

**Benefits on volunteers**
- Reinforce the antioxidant capacity of the skin versus placebo
- Mitochondrial DNA protection +63% antioxidant
- Protects cells from free radicals: +19% catalase

**Mode of action**
- Ephemeral cells in the lifecycle of macroalgae

**Nature**
Ephemeral cells

**Solubility**
Sporosoluble

**Form**
Liquid

**Use level**
1%

**Preservative free**

**INULA SC**
Aqua/Water - Buxus Glucosid - Inula Crithmoïde Leaf/Flower Extract

**Firming & protecting marine plant**

**Benefits on volunteers**
- Better comfort

**Mode of action**
- Stimulates DAG: +31%, collagen: +20%
- Protects against free radicals: -20% MDA

**Nature**
Golden samphire

**Solubility**
Water soluble

**Form**
Liquid

**Use level**
1%

**Preservative free**

**JUVENESSENCE™ AD**
Caprylic/Capric Triglyceride – Algae Extract

**Reverse age!**

**Benefits on volunteers**
- After 1 month consumer: +30%
- Firmness: +20%
- Self evaluation: improves firmness: 90%
- Decrease the depth of wrinkle: 40% of volunteers

**Mode of action**
- Downregulates procollagen for mature skin: -70%

**Nature**
The Arctic winged kelp

**Solubility**
Sporosoluble

**Form**
Liquid

**Use level**
1%

**Preservative free**

**SEPLIFT™ DPH**
Dipalmito Liposide

**The weapon against aging**

**Benefits on volunteers**
- Total wrinkle surface: -50% after 42 days vs lipopeptide

**Mode of action**
- Stimulates collagen fiber contraction
- Protects dermal supporting tissue (protection of elastics, anti-AgPs action, pro-TNF)

**Nature**
Hydrophospholipidextract™

**Solubility**
Amphiphilic

**Form**
Powder

**Use level**
1%

**Preservative free**

**SURVICE™**
Sodium Cysteyl Alaninate

**Youth capital code decrypted**

**Benefits on volunteers**
- Total wrinkle surface: -50% after 42 days vs lipopeptide

**Mode of action**
- Assures the longevity of the epidermal stem cells: action on the protein time (connexin-26, nuclear survivin)
- Restores cellular communication: action on the protein dialogue (connexin-26, collagen, photoreceptors)
- Strengthens the skin's defense against aggressions: protection of the Langerhans cells & the epidermal stem cells

**Nature**
Alamine Liposilbescent™

**Solubility**
Amphiphilic

**Form**
Powder

**Use level**
1%

**Preservative free**

**THALASSINE 2™ G**
Glycerol - Thalassium Maximum Extract

**Skin rejuvenator**

**Benefits on volunteers**
- Total wrinkle surface: -50% after 42 days vs lipopeptide

**Mode of action**
- Protects skin against free radicals
- Stimulates collagen & GAG production
- Protects dermal supporting tissue (protection of elastins, anti-AgPs action, pro-TNF)
- Restores cellular communication: action on the protein dialogue (connexin-26, collagen, photoreceptors)
- Strengthens the skin's defense against aggressions: protection of the Langerhans cells & the epidermal stem cells

**Nature**
Sea samphire

**Solubility**
Water soluble

**Form**
Liquid

**Use level**
1%

**Preservative free**

**TIMECODE™**
Palmitoy Glycine

**Neutralize inflammation & gain up to 15 years of fernece**

**Benefits on volunteers**
- Reduce visible wrinkles on 78% of volunteers
- 60% deep-wrinkles after 42 days vs lipopeptide

**Mode of action**
- Targets the key aging markers (interleukin-6, tenacin C, Dermatan sulfate and MMPs)
- Reverses the dermis architecture

**Nature**
PGL, GLY, the bliss molecule

**Solubility**
Amphiphilic

**Form**
Powder

**Use level**
1%

**Preservative free**

**VOLUFORM™**
Palmitoy Isolaconin

**Volumforming technology**

**Benefits on volunteers**
- Deep-wrinkles: -50% after 42 days vs lipopeptide

**Mode of action**
- Filling-effect reinforced dermal matrix: increase of contractile forces of fibrilants +25% after 48 hours
- Increases the dynamic interactions between fibrilants & the dermal matrix; reorganization of dermis is only few hours

**Nature**
Isolaconin Liposilbescent™

**Solubility**
Amphiphilic

**Form**
Powder

**Use level**
1%

**Preservative free**

**Use level:**

**Form:**

**Solubility:**

**Nature:**

**Preservative free:**
**AMBRE OCEANE™ SPE**

**Aqua/Water - Pelvetia Canaliculata Extract**

**Mode of action**
- **GAG**: +28%
- Hyaluronic acid: +24%
- Collagen III: +24%

**Mode of action**
- Self evaluation: improves firmness: +90%

**Benefits on volunteers**
- Replump dermis due to cell communication
- Ocean’s gift of youth

**Nature**
- Sea algin

**Solubility:** Water soluble
- **Use level:** 1%

**NEW version available:** AMBRE OCEANE™ PC

**KALPARIANE™ AD**

**Caprylic/Capric Polyglyceryl - Algae Extract**

**Mode of action**
- Collagen III: +24%
- Hyaluronic acid: +24%
- GAG: +28%

**Mode of action**
- **Self evaluation:** improves firmness: +90%

**Benefits on volunteers**
- Replump dermis due to cell communication
- Ocean’s gift of youth

**Nature**
- The Arctic kelp

**Solubility:** Suspension
- **Form:** Liquid
- **Use level:** 1%

**Preservative free**

**SELAFLASH™**

**Alaria Esculenta**

**Algal Origin:** (usuable in China):

**Mode of action**
- **GAG:** +28%
- Hyaluronic acid: +24%
- Collagen III: +24%

**Mode of action**
- **Self evaluation:** improves firmness: +90%

**Benefits on volunteers**
- Replump dermis due to cell communication
- Ocean’s gift of youth

**Nature**
- Sea algin

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

**Preservative free**

**NEW version available:** AMBRE OCEANE™ PC

**VOLUFORM™**

**Palmitoyl Isoleucine**

**Mode of action**
- **Self evaluation:** improves firmness: +90%

**Mode of action**
- **Self evaluation:** improves firmness: +90%

**Benefits on volunteers**
- After 60 days, the cheeks are plumped by 83% of volunteers (the fat cell stock is preserved).

**Nature**
- The Arctic kelp

**Solubility:** Liquid
- **Form:** Powder
- **Use level:** 1%

**Preservative free**

**GELAL™ SPE**

**Aqua/Water - Chondrus Crispus Extract**

**Mode of action**
- **Self evaluation:** improves firmness: +90%

**Mode of action**
- **Collagen III:** +18%
- Hyaluronic acid: +26%
- GAG: +19%

**Mode of action**
- **Self evaluation:** improves firmness: +90%

**Benefits on volunteers**
- Replump dermis due to cell communication
- Ocean’s gift of youth

**Nature**
- Sea algin

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

**Preservative free**

**SESAFLASH™**

**Glycamin - Acrylate Copolymer - VP/Polycrylic Acid/Polysiloxane**

**Hydrolyzed Sesame Protein PG-Propyl Methylsilanediol**

**Mode of action**
- **GAG:** +28%
- Hyaluronic acid: +24%
- Collagen III: +24%

**Mode of action**
- **Self evaluation:** improves firmness: +90%

**Benefits on volunteers**
- Replump dermis due to cell communication
- Ocean’s gift of youth

**Nature**
- Sea algin

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

**Preservative free**

**ADIPOLESS™**

**Butylene Glycol - Chenopodium Quinoa Seed Extract**

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

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

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

**Nature**
- Nature

**Solubility:** Water soluble
- **Form:** Powder
- **Use level:** 2%

**BIOPLASMA™ BG**

**Aqua/Water - Butylene Glycol - Chenopodium Quinoa Seed Extract**

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

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- **-70% MMP-9 synthesis**
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- After one-month treatment, dark circles are strongly decreased: -16 arbitrary units versus placebo on 90% of volunteers.

**Nature**
- Nature

**Solubility:** Water soluble
- **Form:** Powder
- **Use level:** 2%

**GULF STREAM SEA WATER™**

**Aqua/Water - Chondrus Crispus Extract**

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

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

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

**Nature**
- Nature

**Solubility:** Water soluble
- **Form:** Powder
- **Use level:** 2%

**OLIGOPHYCORAIL SPE**

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

**Mode of action**
- **+31% GAG, +27% hyaluronic acid**
- +21% collagen VII
- +31% collagen IV

**Mode of action**
- **+30%**
- **+30%**
- **+30%**
- **+30%**

**Benefits on volunteers**
- Dark circle eraser!

**Nature**
- Immortal blue

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

**Preservative free**

**GULF STREAM SEA WATER™**

**Aqua/Water - Chondrus Crispus Extract**

**Mode of action**
- **+31% GAG, +27% hyaluronic acid**
- +21% collagen VII
- +31% collagen IV

**Mode of action**
- **+30%**
- **+30%**
- **+30%**
- **+30%**

**Benefits on volunteers**
- Dark circle eraser!

**Nature**
- Immortal blue

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

**Preservative free**

**Desert microalgae for cell energy**

**Optimizes cell functions**

**30x more concentrated in minerals than sea water**

**Energy from mineral-rich algae**

**Content available:**

**NEW version available:** AMBRE OCEANE™ PC

**NATRUE Approved**

**AMBRE OCEANE™ SPE**

**KALPARIANE™ AD**

**SEA LAVENDER SC**

**SEPILIFT™ DPHP**

**VOLUFORM™**
Energizing

SEPITONIC™ M3
Magnesium Aspartate - Zinc Gluconate - Copper Gluconate

Mode of action
- Optimization of cellular respiration which chronologically stimulates the synthesis of energy (ATP) & metabolic IP-45, protein mediators
- Active ingredient booster

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

SEPITONIC™ M4
Magnesium Aspartate - Zinc Gluconate - Copper Gluconate - Calcium Gluconate

Cellular chronenergizer

Mode of action
- Association of minerals ideal to reconstruct mature skin
- The presence of calcium improves epidermal differentiation
- Strengthens barrier effect

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

* For boosted efficacy & maximum comfort, combine with our bio-based emulsifying liquid crystal promotors (p.47).

Daily defense

EPHEMER™
Capryloy/Capric Triglyceride - Undaria Pinnatifida Extract

Protect the genes of Eve

Benefits on volunteers
- Clinic anti-oxidant versus placebo (after day 28)
- Clinic anti-oxidant: +15% versus D0

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

Nature
- Spherical cells in the lifecycle of macroalgae
- Solubility: liposoluble
- Form: liquid
- Use level: 1%
- Preservative free

PYRENOINE™ PF
Butylene glycol - Aqua/Water - Algae Extract

Free radical scavenger

Mode of action
- Decreases MDA: -31%
- Anti-superoxyde: -77%
- Anti-hydroxyl: -94%

Nature
- Ephemeral cells in the lifecycle of macroalgae
- Solubility: water soluble
- Form: liquid
- Use level: 1%

SEPIVITAL
Potassium Ascorbyl Tocopheryl Phosphate

Very stable Vitamin C

Mode of action
- A greater anti-radical activity than the simple mixing of these two vitamins C and E

Nature
- Very stable form of vitamin C grafted on vitamin E
- Solubility: water soluble
- Form: powder
- Use level: 0.01%
- Preservative free

SEPIVITAL
Phosphatidylcholine - Tripeptide - Phosphatidylserine - Phosphatidylethanolamine

A strong protection against oxidative stress

Mode of action
- Anti-radical activity of the cell: +79%

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

SEPIVITAL
Phosphatidylcholine - Tripeptide - Phosphatidylserine - Phosphatidylethanolamine

A breath of fresh air to de-stress the skin

Mode of action
- Anti-radical activity of the cell: +79%

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

SEPIVITAL
Phosphatidylcholine - Tripeptide - Phosphatidylserine - Phosphatidylethanolamine

A breath of oxygen & efficacy

Mode of action
- Association of minerals ideal to reconstruct mature skin
- The presence of calcium improves epidermal differentiation
- Strengthens barrier effect

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

NEW version available:
Preservative free

SEPIVITAL
Phosphatidylcholine - Tripeptide - Phosphatidylserine - Phosphatidylethanolamine

A strong protection against oxidative stress

Mode of action
- Anti-radical activity of the cell: +79%

Nature
- Very stable form of vitamin C grafted on vitamin E
- Solubility: water soluble
- Form: powder
- Use level: 0.01%
- Preservative free

SEPIVITAL
Phosphatidylcholine - Tripeptide - Phosphatidylserine - Phosphatidylethanolamine

A strong protection against oxidative stress

Mode of action
- Anti-radical activity of the cell: +79%

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

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- Solubility: water soluble
- Form: liquid
- Use level: 1%
**Photo-aging protection**

**SEPIVINOL**
- **Mode of action**
  - Vitro: fight free radicals even at low concentration
  - Increase cell longevity (increase SIRTUIN-1 expression)
- **Nature**
  - Red wine extract
- **Solubility**
  - Water soluble
- **Form**
  - Powder
- **Use level**
  - 0.1%
- **Preservative free**

**BIPLASMA™ FA**
- **Mode of action**
  - Proteasome stimulation for mature skin:
    - Proteasome 20S: +64%
    - Proteasome 26S: +45%
    - Complex proteasome PA28: +46%
- **Nature**
  - The Arctic winged kelp
- **Solubility**
  - Liposoluble
- **Form**
  - Liquid
- **Use level**
  - 1%
- **Preservative free**

**JUVENESSENCE™ AD**
- **Mode of action**
  - Increases 1, 6 & 8 to 21%
  - 7%: +16%
  - 8%: +8%
- **Nature**
  - The Arctic winged kelp
- **Solubility**
  - Isosoluble
- **Form**
  - Liquid
- **Use level**
  - 1%
- **Preservative free**

**NATIVE ESSENCE™**
- **Mode of action**
  - Protects 70% of keratinocytes & 80% Langherans cells after UV/IR stress
  - DNA damages: -72%
  - Absorbs in IR
- **Nature**
  - Red calcified seaweed
- **Solubility**
  - Dispersible
- **Form**
  - Powder
- **Use level**
  - 1 to 3%
- **Preservative free**

**VOLUFORM™**
- **Mode of action**
  - Activation of proteasome enzymes:
    - Chymotrypsin activity: +409%
    - Trypsin activity: +200%
    - Caspase activity: +565%
- **Nature**
  - Isolipoic Liposolubel™
- **Solubility**
  - Liposoluble
- **Form**
  - Powder
- **Use level**
  - 1%
- **Preservative free**

**ANTILEUKINE 6™**
- **Mode of action**
  - Sunburn cells (UVB induced) decrease: -50%
- **Nature**
  - Golden seaweed
- **Solubility**
  - Water soluble
- **Form**
  - Powder
- **Use level**
  - 0.1-0.5%
- **Preservative free**

**BLUE SEAKALE SC**
- **Mode of action**
  - Protects 70% of keratinocytes & 80% Langherans cells after UV/IR stress
  - DNA damages: -72%
  - Absorbs in IR
- **Nature**
  - Natural Chinese supplement
- **Solubility**
  - Water soluble
- **Form**
  - Powder
- **Use level**
  - 0.1-0.5%
- **Preservative free**

**JUVENESSENCE™ AD**
- **Mode of action**
  - Increases 1, 6 & 8 to 21%
  - 7%: +16%
  - 8%: +8%
- **Nature**
  - The Arctic winged kelp
- **Solubility**
  - Isosoluble
- **Form**
  - Liquid
- **Use level**
  - 1%
- **Preservative free**

**PHYCOCORAIL™**
- **Mode of action**
  - Protects 70% of keratinocytes & 80% Langherans cells after UV/IR stress
  - DNA damages: -72%
  - Absorbs in IR
- **Nature**
  - Red calcified seaweed
- **Solubility**
  - Dispersible
- **Form**
  - Powder
- **Use level**
  - 1 to 3%
- **Preservative free**

**PHYTO AGE™**
- **Mode of action**
  - Photo-protection of the dermis & the dermo-epidermal junction against UVA, +55%, pro-collagen I; +20%, hyaluronic acid; +43%, l-arnitin
- **Nature**
  - Traditional Chinese supplement
- **Solubility**
  - Water soluble
- **Form**
  - Powder
- **Use level**
  - 0.1-0.5%
- **Preservative free**

**SEA LAVENDER SC**
- **Mode of action**
  - 37% 6%; -32% IL-1 release after UVA; +127% ceramide I
- **Nature**
  - Immortal blue
- **Solubility**
  - Isosoluble
- **Form**
  - Liquid
- **Use level**
  - 1%
- **Preservative free**
**Photo-aging protection**

**SEPIVITAL**

*Potassium Ascorbyl Tocopheryl Phosphate*

**Vitamins power**

**Mode of action**
- Shields against UVB: 118% cell survival
- Modulation of pro-apoptotic proteins (rop) (-16%) and BIP (-30%) activated by UV

**Nature**

- Very stable form of Vitamin C grafted on Vitamin E

**Solubility:** hydrosoluble  
**Form:** powder  
**Use level:** 0.01%  
**Preservative free**

---

**Surviving stars**

**SEPICALM™ S WP**

*Sodium Glycolic Acid – Sarsaparilla – Potato Extract – Magnesium Aspartate*

**The soothing & neurocosmetic mineral concept**

**Mode of action**
- +74% reduction after mechanical abrasion  
- +28% reduction after solar erythema  
- +48% sting sensation in 10 seconds

**Nature**

- Mineral & Lipobiovector™

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

---

**SEPCONTROL™ A5**

*Caryophyll – Salicin – Cinnamomum Zeylanicum Bark Extract*

**Regulate inflammation induced by acne - Better than Salicylic acid**

**Mode of action**
- +86% HBD2 (defensin)  
- +75% IL-1 reduction  
- 40% Elastase inhibition  
- 40% free radical inhibition (superoxide anion)

**Nature**

- Spicy cocktail of cinnamon & glycine Lipobiovector™

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

---

**SEA MAYWEED SC**

*Aqua/Water – Equisetum Arvense Maritimum Extract*

**Anti-red for sensitive skin**

**Benefits on volunteers**
- +24% cutaneous reactivity  
- +16% redness  
- -24% IL1, -32% IL6, -29% PGE2 under UVB  
- -27% substance P under capsaicin stress, inhibition of substance P receptor

**Nature**

- Sea chamomile

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

---

**SEA STARWORT OIL**

*Caprylic/Capric Triglyceride – Aster Maritima/Tripolium Extract*

**Skin barrier reinforcement for soothing efficacy**

**Benefits on volunteers**
- -7.4% redness after mechanical abrasion  
- -25% redness after solar erythema  
- -46% stinging sensation in 10 seconds

**Nature**

- Sea aster oil extract

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

---

**GULF STREAM SEA WATER™**

*Sea Salt*

**Soothing sea powder**

**Mode of action**
- -20% IL1 release (after UVB)

**Nature**

- Sea aster water extract

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

---

**SEA STARWORT™**

*Caprylic/Capric Triglyceride – Aster Maritima/Tripolium Extract*

**BG**

**Regulate inflammation induced by acne - Better than Salicylic acid**

**Mode of action**
- +48% production of ß-endorphins  
- Targets the key inflammation pathway (NfkB) : -32% of IL6 / -16% of IL8  
- -78% of free radical induction (superoxide anion)  
- -80% Elastase inhibition  
- -100% Hyaluronidase inhibition  
- -80% Lipo-oxygenase inhibition

**Nature**

- Sea aster water extract

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

---

**Crithmum Maritimum Extract**

**CELTOSOME™ CRITHMUM MARITIMUM ST**

**Accelerated repairing & soothing from biotechnologies**

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

**Nature**

- Plant cells from sea fennel

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

---

**ANTILEUKINE 6™**

*Caprylic/Capric Triglyceride – Laminaria Ochroleuca Extract*

**Decrease the inflammation mediators**

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

**Nature**

- Golden seaweed

**Solubility:** amphiphilic  
**Form:** powder  
**Use level:** 2%  
**Preservative free**

---

**SURVICODE™**

*Sodium Cocoamidate*

**Protect sentinel cells in the epidermis**

**Mode of action**
- +16% survival of Langerhans cells

**Nature**

- Ammonium Lipobiovector™

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

---

**SEPICALM™**

*Cinnamomum Zeylanicum Bark Extract*

**The soothing & neurocosmetic mineral concept**

**Mode of action**
- +48% production of ß-endorphins  
- Targets the key inflammation pathway (NfkB) : -32% of IL6 / -16% of IL8  
- -78% of free radical induction (superoxide anion)  
- -80% Elastase inhibition  
- -100% Hyaluronidase inhibition  
- -80% Lipo-oxygenase inhibition

**Nature**

- Spicy cocktail of cinnamon & glycine Lipobiovector™

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

---

**CHINA QD**

**GREENPALM PROGRAMME**

**CHINA COMPLIANT**

**NATRUE APPROVED**

**BIO-BASED CONTENT AVAILABLE**

**COSMOS APPROVED**

**QD ADDITIVE**

**1918**
Skin biology

- **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
### Skincare Actives

#### CELTOSOME™ CRITHMUM MARITIMUM ST
**Pigmentation regulator from biotechnologies**
- **Benefits on volunteers**: +45% Lightening after 16 days.
- **Mode of action**: Inhibits tyrosinase activity, reduces melanin, reduces migration of melanocytes.
- **Nature**: Plant cells from sea fennel.
- **Solubility**: Dispersible powder. Use level: 0.25%. Preservative free.

#### SEASHINE™
**Lightener & skin sublimier**
- **Benefits on volunteers**: +94% Lightening after 16 days.
- **Mode of action**: Decymagladased TRP1 gene expression by 31%.
- **Nature**: Sea shining laminarias / vegetal BG.
- **Solubility**: Water soluble at pH 7.

#### SEPICALM™ VG WP
**Perfect lighter**
- **Benefits on volunteers**: • 36% lighter skin / 39% more radiant / 56% lighter spots / 73% smaller spots.
- **Mode of action**: Double skin lightening action: Inhibition of inflammatory pigmentation induced by cutaneous stress & modulation of gene expression in the basal pigmentation (MC1, MITF, tyrosinase) after 16 hours.
- **Nature**: Combination of lily flowers & palmitoyl proline.
- **Solubility**: Amphiphilic liquid. Use level: 3%.

#### SEPIWHITE™ MSH
**Victory for a toned complexion!**
- **Benefits on volunteers**: • 56% lighter spots / 73% less spots / 83% more radiant complexion / 100% more even complexion.
- **Mode of action**: At a very low dose, boosts other illuminating agents.
- **Nature**: Phoenylanine Lipobiovector™
- **Solubility**: Hydrodispersible water soluble at pH 7.

#### SEPIWHITE™ MSH QD
**QD approved lightening booster**
- **Benefits on volunteers**: • At a very low dose (0.1%), boosts other illuminating agents.
- **Nature**: Phoenylanine Lipobiovector™
- **Solubility**: Hydrodispersible water soluble at pH 7.

#### SEPIWHITE™ SEPIWHITE
- **Benefits on volunteers**: • At very low dose (0.2%), boosts other illuminating agents.
- **Mode of action**: Inhibit tyrosinase activity, reduces melanin, reduces migration of melanocytes.
- **Nature**: Undaria Pinnatifida Algae Extract.

#### SEPIWHITE™ SEPICALM
- **Benefits on volunteers**: • At very low dose, boosts other illuminating agents.
- **Mode of action**: Uniform skin - Visibly luminous skin.
- **Nature**: Nymphaea Alba Flower Extract.

#### SEPIMAT™ SB
**Diffuse light Blue lines & erase shine**
- **Benefits on volunteers**: • The perfect balance between soft touch, oil control & soft focus effects.
- **Nature**: PAL GL, the bliss molecule.

#### TIMECODE™
**No more shadowy areas!**
- **Benefits on volunteers**: • Blooming skin effect in 16 days: +5% luminosity & -24% redness (ex vivo).
- **Mode of action**: Improved microvascular network after 16 hours: +18%.

#### NATIVE ESSENCE™
**Lightening**
- **Benefits on volunteers**: • Radiance +16% after 28 days.
- **Mode of action**: Inhibits ceramide synthesis by 46%.
- **Nature**: Sea fennel oil extract.

#### SEPIMAT™ SB
**Diffuse light Blue lines & erase shine**
- **Benefits on volunteers**: • The perfect balance between soft touch, oil control & soft focus effects.
- **Nature**: PAL GL, the bliss molecule.

#### CERAMOSIDES™ HP
**The essence of a perfect beauty**
- **Benefits on volunteers**: • Glowing skin texture, pores are refined.
- **Mode of action**: After 56 days: -37% skin roughness.
- **Nature**: CERAMIDES (OMEGAS 3,6,9) extracted from wheat grains.

---

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<tr>
<th>Active</th>
<th>Description</th>
<th>Benefits on volunteers</th>
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<th>Solubility</th>
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**Skin balance**

**FLUIDIPURE™ 8G**

- **Basis**: Glycine biovector
- **Use level**: 1-2%
- **Form**: powder
- **Solubility**: water soluble at pH 5-5.5

**Benefits on volunteers**
- **Skin pH regulator, ideal for sensitive skin**
- **Mode of action**: Helps restore the skin natural acidic pH

**LIPACIDE™ C8G**

- **Basis**: Glycine biovector
- **Use level**: 1-2%
- **Form**: powder
- **Solubility**: water soluble at pH 5-5.5

**Benefits on volunteers**
- **Skin pH regulator, ideal for sensitive skin**
- **Mode of action**: Helps restore the skin natural acidic pH

**Deodorant**

**LIPACIDE™ UG**

- **Basis**: Undecylenoyl Glycine
- **Use level**: 4%
- **Form**: brown liquid
- **Solubility**: hydrophilic

**Benefits on volunteers**
- **Natural way to fight body odor**
- **Mode of action**: Limits sebum excess: -40% activity of 5α-reductase, -71% bacterial lipase activity, -80% Elastase activity, -44% superoxide anion release, -73% of IL1β production: 5α-reductase, -71% bacterial lipase activity, -80% Elastase activity, -44% superoxide anion release, -73% of IL1β
- **Mode of action**: Controls hyperkeratinization -60% less Filaggrin
- **Mode of action**: Inhibits microbial growth: P. acnes, S. aureus and S. epidermidis

**Oil control**

**FLUIDIPURE 8G™**

- **Basis**: Glycine biovector
- **Use level**: 1 to 2%
- **Form**: liquid
- **Solubility**: water soluble

**Benefits on volunteers**
- **Limit sebum excess**
- **Mode of action**: Reduces shine & absorbs excess oils for a matte effect
- **Mode of action**: Reduces by 40% the activity of 5α-reductase, key enzyme responsible for sebum production
- **Mode of action**: Reduces the sebum production at the skin surface by 20%

**LIPACIDE™ C8G**

- **Basis**: Glycine biovector
- **Use level**: 1% to 2%
- **Form**: liquid
- **Solubility**: water soluble

**Benefits on volunteers**
- **Limit sebum excess**
- **Mode of action**: -20% less sebum production
- **Mode of action**: -78% less comedones

**PHLORGINE™ BG PF**

- **Basis**: Glycine biovector
- **Use level**: 4%
- **Form**: brown liquid
- **Solubility**: hydrophilic

**Benefits on volunteers**
- ** Skin purity restorer**
- **Mode of action**: Reduces shine leaving skin looking matte
- **Mode of action**: Excellent oil absorption reduces shine leaving skin looking matte

**SEPICONTROL™ A5**

- **Basis**: Glycine biovector
- **Use level**: 0.5-10%
- **Form**: powder
- **Solubility**: oil & water dispersible

**Benefits on volunteers**
- **Limit sebum excess of acne prone skin**
- **Mode of action**: Anti sebum: -26% after 1 week
- **Mode of action**: Anti lipase: -73%

**SEPIMAT™ H10**

- **Basis**: Glycine biovector
- **Use level**: 4%
- **Form**: brown liquid
- **Solubility**: hydrophilic

**Benefits on volunteers**
- **Shine surrenders: ultra matte & sublime skin**
- **Mode of action**: Anti sebum: -26% after 1 week
- **Mode of action**: Anti lipase: -73%

**SEPIMAT™ H10 FW**

- **Basis**: Glycine biovector
- **Use level**: 4%
- **Form**: brown liquid
- **Solubility**: hydrophilic

**Benefits on volunteers**
- **Insta Glam: velvety & matte finish**
- **Mode of action**: Anti sebum: -26% after 1 week
- **Mode of action**: Anti lipase: -73%

**Anti-blemish & Acne prone skin**

**SEPICONTROL™ A5**

- **Basis**: Glycine biovector
- **Use level**: 4%
- **Form**: brown liquid
- **Solubility**: hydrophilic

**Benefits on volunteers**
- **Fight against the 5 main causes of acne prone skin**
- **Mode of action**: Inhibits microbial growth: P. acnes, S. aureus and Sepi- dermidis
- **Mode of action**: Controls hyperkeratinization: -40% less Filaggrin
- **Mode of action**: Helps to control inflammation: -73% of IL1β
- **Mode of action**: 5α-reductase activity: -40% of 5α-reductase
- **Mode of action**: 5α-reductase activity: -40% of 5α-reductase

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Moisturization

**AQUAXYL™**
Xylitylglucoside - Anhydroxylitol - Xylitol

A 3D hydration boosting Hyaluronic acid production
- Benefits on volunteers: Skin water content is increased at 6 hours, 2 weeks & 1 month
- Mode of action:
  - Hyaluronic acid booster at epidermal +24% & dermal level +20%
  - NMF is increased via the fillagrin degradation +66% for Caspase-14
  - Water circulation is improved: Tight junctions cohesion & Aquaporin-3 +36%
  - **Nature:** Natural sugar complex

**BIOPLASMA™ BG**
Aqua/Meth - Butylene Glycol - Plankton Extract
Plankton Digin : (species) Superoxymes Odibile

Hydration from the desert algae
- Benefits on volunteers: Decreases of TEWL after 2 hours: -4%
- Mode of action: Stimulates ceramides, cholesterol & phospholipids
  - **Nature:** Desert microalgae

**CODIAVELANE™ BG PF**
Butylene Glycol - Aqua/Water - Codium Tomentosum Extract

Marine moisturizing factor (MMF)
- Benefits on volunteers: Immediate & long-lasting hydration (+14% after 8 hours & 24 hours) vs T0
  - Mode of action: Stimulates ceramides, cerebrosides, cholesterol & cholesterol esters
  - **Nature:** Velvet algae

**KALPARIANE™ AD**
Cetyl/Capryl Polyglycole - Algae Extract
Algae Origin: Caulerpa Callitrichoides

Strong waves algae
- Benefits on volunteers: 15% of the volunteers found an improvement of the hydration level after 28 days
  - Mode of action:
  - **GAG:** +28%
  - **Nature:** The Arctic winged kelp

**OLIGOGENE™ PF**
Aqua/Meth - Chondrus Crispus Extract

Second skin ingredient
- Benefits on volunteers: Skin water content is increased after 2 hours
  - Mode of action: Immediate & long-lasting hydration (+14% after 8 hours & 24 hours) vs T0
  - **Nature:** The silicone plant

**SEAMOSS™ BG PF**
Butylene Glycol - Aqua/Water - Chondrus Crispus Extract

24h skin lipids barrier regeneration
- Benefits on volunteers:
  - The skin hydration is increased in dry skin: +25% in one month.
  - The skin microrelief is smoothed: +30%
  - -14% of TEWL in one month
  - Mode of action:
  - +139% increase in Ceramides 1 & 2 (no effect of glycerin) on human skin explants.
  - +61% of a key enzyme involved in Cholesterol synthesis
  - +96% increase for Loricrine
  - +111% increase for Kallikrein-5 & +63% for Kallikrein-7
  - **Nature:** Natural sugar complex

**SEPICALM™ S WP**
Sodium Cystyl Aminoacids - Xacaine / Potassium Aspartate - Magnesium Aspartate

Increase skin comfort for sensitive skin
- Benefits on volunteers: Skin water content is increased for up to 5 hours after application: +15%
  - Mode of action:
  - +139% increase in Ceramides 1 & 2 (no effect of glycerin) on human skin explants.
  - +61% of a key enzyme involved in Cholesterol synthesis
  - +96% increase for Loricrine
  - +111% increase for Kallikrein-5 & +63% for Kallikrein-7
  - **Nature:** Mineral & aminoacid/ lipobiovector™

* For boosted efficacy & maximum comfort, combine with our bio-based emulsifying liquid crystal promotors (p.47).
Body shape

Firming

**KALPARIANE™ AD**
Caprylyl/Caprylyl Glycol - Algae Extract
Algae Origin: Laminaria hyperborea

**SCULPTOSANE™**
Aqua/Water - Propylene Glycol - Alginate Pellet
Algae Origin: Scenedesmus Obliquus

**SEPLIFIT™ DP**
Disodium Hydrogen Phosphate - Preservative free

**VOLUFORM™**
Polyactic acid microsphere

Skin Slimming

**ADIPOLESS™**
Butyrate Glycol - Chondrus Crispus Extract

Skin Firming

**KALPARIANE™**
Alginic acid - Algae extract

**SEPLIFIT™**
Disodium hydrogen phosphate

**VOLUFORM™**
Polyactic acid microsphere

Active ingredients

- **SCULPTOSANE™**
- **SEPLIFIT™**
- **VOLUFORM™**
- **ADIPOLESS™**

**ADIPOSILM™**
Carnitine Lactate - Lecithine Phosphate

**PHYSOBOREANE™ 2C**
Aqua/Water - Laminaria hyperborea extract

**RHODYSTEROL™ S**
Porphyra Glycyrrhiza/Phenacemate - Gelidium cartilagineum extract - Phytosterols

**SEL GRAIN™**
Sea Salt

Benefits on volunteers

- **Firming**: Stimulates laminin: +27% • Stimulates fibronectin: +19%
- **Mode of action**: Decreases water retention • Self evaluation: firmness improved after 28 days
- **Benefits on volunteers**: Matricial PG: +21% • Anti-collagenase: -20% • Anti-elastase: +84%
- **Mode of action**: 90% of volunteers perceive improvement of firmness
- **Mode of action**: 90% of volunteers perceive improvement of firmness
- **Mode of action**: -70% MMP-9 synthesis • -91% differentiation of pre-adipocytes into mature adipocytes • -90% formation of new blood vessels
- **Mode of action**: +60-62% fat recycled into ATP (β-oxidation) • +201% AMPc (lipolysis activator) • -96% Phosphodiesterase-3 (lipolysis inhibitor) • +201% AMPc (lipolysis activator)
- **Mode of action**: Increases lipolysis in male & female adipocytes (better than caffeine)
- **Mode of action**: -96% Phosphodiesterase-3 (lipolysis inhibitor) • +201% AMPc (lipolysis activator)
Hair Care solutions at a glance

Prevent static electricity
- SEA LAVENDER HC p.33

Purify scalp & fight dandruff
- ESCULANE™ p.34
- FLUIDPURE 8G™ p.34

Fight age & daily stress, UV, pollution, brushing, airdry...
- SEPICAM™ MP p.33
- BLUE SEAKALE™ HC p.33
- SEA SATIN™ p.33

Protect & repair hair fiber
- AQUAXYL™ p.32
- BIORESTORER™ PF p.32
- SEPICAM™ MP p.33
- SEA SATIN™ p.33

Help anti-frizz
- ALARIANE™ AD p.32

Soothe & relax irritated scalp
- SEPICALM™ S WP p.34
- FLUIDPURE 8G™ p.34
- SEA SATIN™ p.34
- AQUAXYL™ p.34

Stimulate growth & density
- BIOENERGIZER™ P BG PF p.32
- SEPTONIC™ M3 p.34

Keep softness & shine
- AQUAXYL™ p.32
- BIORESTORER™ PF p.32
- GLUCOSULINE™ PF p.33

Protect & boost colour
- BLUE SEAKALE HC p.33
- INULA HC p.33

Densify hair
- BIO EXTENDER™ SPE p.32

Lipophilic
- Hydrophilic
## Hair & Scalp care

### ALARIANE™ AD
**Aqua/Water - Butylene Glycol - Alaria Extract**
Alaria longissima used in China: Alaria Esculenta

- **Protect & straighten hair**
  - **Hair benefits**
    - Reduction in locks: anti-frizzy

### AQUAXYL™
**Xyloglucoside - Arthroxytoll - Xylitol**

- **Deeply moisturize hair**
  - **Hair benefits**
    - At 2% in leave-in (5 applications) & rinse-off (10 applications) it closes cuticules & locks in the moisture
    - At 1.5% in leave-in (5 applications) & rinse-off (10 applications) it causes the cuticules to bring shine
    - It softens the hair

### BIOENERGIZER™ P BG PF
**Aqua/Water - Butylene Glycol - Panthenol - Propylene Glycol - Pelvetia Canaliculata Extract - Laminaria Digitata Extract - Hydrolyzed Rhodophycea Extract**

- **Density & growth booster**
  - **Hair benefits**
    - Hair number: +10%
    - Hair density: +27%

### BIO EXTENDER™ SPE
**Hydrolyzed Rhodophycea Extract**

- **Strengthen & nourish hair with minerals**
  - **Hair benefits**
    - Extension of hair fiber after rupture: +12%
    - Xylohexa strengthenere

### BIORESTORER™ PF
**Aqua/Water - Butylene Glycol - Hypnea Musciformis Extract**

- **Hair smoother**
  - **Hair benefits**
    - Restructures & smooths hair
    - Flattens & regulates cuticles

### INULA HC
**Capryl/Capric/Triglyceride - Inula Crithmoid Leaf/Flower Extract**

- **Intensify hair color**
  - **Hair benefits**
    - Informs keratin fiber stimulation for regenerative & protective hair action

### OLIGOGENE™ PF
**Aqua/Water - Chondrus Crispus Extract**

- **Restructure hair shaft**
  - **Hair benefits**
    - Hair scales: more regular & tighter
    - Tights hair cuticules
    - Improves luster
    - Hydrates & brings minerals

### SEA SATIN™
**Capryl/Capric/Triglyceride - Beta Vulgaris (Beet) Root Extract - Sodium Cocoyl Amino Acids - Potassium Dimethicone PEG-7 Panthenyl Phosphate**

- **Maintain hair vitality**
  - **Hair benefits**
    - Improves luster appearance (+21%) & global appearance (+17%) after 28 days
    - Restructures & smooths hair
    - Reduces cell senescence (Beta galactosidase)

### SEPICAP™ MP
**Sodium Cetylsteo Amino Acids - Potassium Dimethicone PEG-7 Panthenyl Phosphate**

- **The anti-aging & daily stress protection**
  - **Hair benefits**
    - 31% of lipid peroxides at the hair surface
    - 42% less damaged keratin of the hair surface
    - Visible effect on the hair shaft with closed cuticles

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**BLUE SEAKALE HC**
**Aqua/Water - Butylene Glycol - Cramble Martina Leaf Extract**

- **Protect the hair fiber**
  - **Hair benefits**
    - Hair color protection after hot stresses

**Nature** Highly heat-resistant seakale

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

**INULA HC**
**Capryl/Capric/Triglyceride - Inula Crithmoid Leaf/Flower Extract**

- **Intensify hair color**
  - **Hair benefits**
    - Improves keratin fiber stimulation for regenerative & protective hair action

**Nature** Golden samphire

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

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

- **Restructure hair shaft**
  - **Hair benefits**
    - Hair scales: more regular & tighter
    - Tights hair cuticules
    - Improves luster
    - Hydrates & brings minerals

**Nature** The silicone plant

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

**SEA SATIN™**
**Capryl/Capric/Triglyceride - Beta Vulgaris (Beet) Root Extract - Sodium Cocoyl Amino Acids - Potassium Dimethicone PEG-7 Panthenyl Phosphate**

- **Maintain hair vitality**
  - **Hair benefits**
    - Improves luster appearance (+21%) & global appearance (+17%) after 28 days
    - Restructures & smooths hair
    - Reduces cell senescence (Beta galactosidase)

**Nature** Marine beet

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

**SEPICAP™ MP**
**Sodium Cetylsteo Amino Acids - Potassium Dimethicone PEG-7 Panthenyl Phosphate**

- **The anti-aging & daily stress protection**
  - **Hair benefits**
    - 31% of lipid peroxides at the hair surface
    - 42% less damaged keratin of the hair surface
    - Visible effect on the hair shaft with closed cuticles

**Nature** Aminocapric, lipids & vitamin biovector

**Solubility:** hydrodispersible
**Form:** liquid
**Use level:** 1-3%
**Preservative free**
Scalp Care

**AQUAXYL™**
Xyloglucanside - Amythystokin - Xilitol

- **Reinforce & protect the scalp barrier**
- **Benefits on volunteers**
  - >80% protection against primary free radicals
- **Nature**
  - Natural sugar complex
- **Solubility**
  - water soluble
- **Use level**
  - 1%
- **Form**
  - liquid
- **Preservative free**

**ESCULANE™**
Carnosine/Carnosine - Algae Extract - Laminaria Digitata

- **Purify scalp & reduce dandruff**
- **Benefits on volunteers**
  - +87% of protein metabolism even under aging conditions
  - +53% cell division even under aging conditions
- **Nature**
  - Antibacterial, soothing & tonifying Laminaria
- **Solubility**
  - water soluble
- **Use level**
  - 1%
- **Form**
  - liquid
- **Preservative free**

**FLUIDIPURE™ 8G**
Nuxellence Glycol - Carnosine - Xyloglucanside

- **Decrease scalp irritation, dandruff, control scalp oils & odors**
- **Benefits on volunteers**
  - -32% of IL6
  - -46% of stinging sensation in 10 seconds
  - -29% IL1, -30% IL6
- **Nature**
  - Natural Glycine & sugar biovector
- **Solubility**
  - water soluble
- **Use level**
  - 3%
- **Preservative free**

**SEA SATIN™**
Carnosine/Carnosine - Algae Extract - Laminaria Digitata

- **Scalp soother**
- **Mode of action**
  - +29% 5.1 - 85% 5.6
  - Reduces cell senescence
- **Nature**
  - Marine beet
- **Solubility**
  - liposoluble
- **Preservative free**

**SEPICALM™ S WP**
Sodium Cysteine Amino Acid - Spermine - Potassium Aspartate - Magnesium Aspartate

- **The perfect soother for chemically irritated scalp**
- **Benefits on scalp**
  - 40% of drying sensation in 10 seconds
  - Targets the key inflammation pathway (NFκB)
- **Nature**
  - Mineral and aminoacid Lipobiovector™
- **Solubility**
  - hydrodispersible
- **Use level**
  - 1%
- **Preservative free**

**SEPICAP™ MP**
Sodium Cysteine Amino Acid - Potassium Dimethicone PEG-7 Phenoxyth Phosphate

- **Scalp daily defense**
- **Mode of action**
  - +52% cell division even under aging conditions
  - +60% of protein metabolism even under aging conditions
  - +60% improved efficacy under heat stress
- **Nature**
  - Aminoacids, lipids and vitamin Lipobiovector™
- **Solubility**
  - hydrodispersible
- **Use level**
  - 1%
- **Preservative free**

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

- **Scalp energizer**
- **Mode of action**
  - +10% protection against primary free radicals
- **Nature**
  - Glucolipid - Copper Lipobiovector™
- **Solubility**
  - water soluble
- **Use level**
  - 1%
- **NEW version available**
  - 3%
- **Preservative free**

**Brown Seaweed**

- **Fucus vesiculosus**
  - PHYCOL™ FV BG PF
  - preservative free
  - **Solubility**
  - water

- **Fucus vesiculosus**
  - OLEAPHYLCO FV
  - preservative free
  - **Solubility**
  - water

- **Laminaria digitata**
  - PHYCOL™ LD BG PF
  - preservative free
  - **Solubility**
  - water

- **Laminaria digitata**
  - OLEAPHYLCO LD
  - preservative free
  - **Solubility**
  - water

- **Pelvetia canaliculata**
  - PHYCOL™ PC BG PF
  - preservative free
  - **Solubility**
  - water

- **Undaria pinnatifida**
  - PHYCOL™ UP BG PF
  - preservative free
  - **Solubility**
  - water

**Blue Seaweed**

- **Spirulina**
  - SPIRULINE CONCENTRE
  - preservative free
  - **Solubility**
  - water

- **Spirulina**
  - SPIRULINE AP
  - preservative free
  - **Solubility**
  - water

**Green Seaweed**

- **Enteromorpha compressa**
  - PHYCOL™ EC BG PF
  - preservative free
  - **Solubility**
  - water

- **Ulva lactuca**
  - PHYCOL™ UL BG PF
  - preservative free
  - **Solubility**
  - water

**Red Seaweed**

- **Chondrus crispus**
  - PHYCOL™ CC BG PF
  - preservative free
  - **Solubility**
  - water

**Halophilic Botanical**

- **Chondrus crispus**
  - PHYCOL™ CM BG PF
  - preservative free
  - **Solubility**
  - water

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**Scalp Care TM**
**MP**
**TM**
**SP**
**TM**
**TM**
**TM**
**TM**
**TM**
**TM**
POLYMERIC THICKENERS & STABILIZERS

Unique performance & attractive textures

By adding emulsifying & texturing functions to polymeric structures, SEPPIC Beauty Care reinvents formulation. Must-have ingredients opening a new world of creativity to formulators:

- Easy to use
- Multiple benefits
- An infinite source of unique sensory experiences

POLYMERIC THICKENERS & STABILIZERS
Anionic powders / Anionic latex / Natural gums
Cationic latex / Rinse-off application

A-Z Index
Polymeric thickeners & Stabilizers

SEPIMAX™ ZEN
Polyacrylate Crosspolymer

Boost creativity with serenity

Benefits
• Maximum resistance to electrolytes
• pH of use: 3-12
• Conductive clear gels
• Surprisingly compatible with ethanoíl & solvents

Sensational profile
• Elegant, velvety skin feel

SEPINOV™ EMT 10
Hydroxyethyl Acrylate/Sodium Acryloyldimethyl Taurate Copolymer

Outstanding versatile power

Benefits
• Effective at low concentration
• Resistance to electrolytes
• Excellent stabilizing properties even with a high level of oil
• pH of use: 3-12
• Produces translucent gels
• High application sensory benefit in foaming formation

Sensational profile
• Satin & light touch, fresh, glide-on.

SEPINOV™ P88
Sodium Acrylate/Isotridecyl Dimethylaminoethyl Dimethylamine Crosspolymer

EO free silky sensation

Benefits
• Polymer compatible with ethylene oxide free formulas
• Resistance to electrolytes
• pH of use: 3-12
• Disk compatible

Sensational profile
• Satin touch, fresh, glide-on.

SEPINOV™ WE0
Hydroxyethyl Acrylate/Sodium Acryloyldimethyl Taurate Copolymer

EO free universal concept

Benefits
• Universal polymer compatible with ethylene oxide free formulas
• Stabilizing properties even with a high level of oil
• Resistance to electrolytes
• pH of use: 3-12
• Disk compatible

Sensational profile
• Satin & light touch.

The original solution

Benefits
• The original solution as multifunctional polymer
• pH of use: 3-12

Sensational profile
• Rich & intense.

SEPIGEL 305™
Polyacrylate - Caprylic/Capric Glyceride

Concentrated performance

Benefits
• Concentrated latex
• Resistance to electrolytes
• pH of use: 5.5-12

Sensational profile
• Unique texture, glide-on sensation & easy spreading

Type: anionic
Form: pre-neutralized powder
Function: thickening, stabilizing, texturizing
Preservative free

SEPIPLUS™ 265
Acrylamide/Acrylic Acid Copolymer - Polysorbate 20

Elegant touch

Benefits
• Concentrated latex
• Resistance to electrolytes
• pH of use: 3-12

Sensational profile
• Silicone touch, glide-on sensation & easy spreading

Type: anionic
Form: pre-neutralized liquid
Function: thickening, stabilizing, texturizing
Preservative free

SEPIPLUS™ 400
Polyacrylate - Polysorbate 20

Absolute comfort

Benefits
• Concentrated latex
• Very good resistance to electrolytes thanks to associative behavior
• pH of use: 3-12
• Disk compatible

Sensational profile
• Long lasting comfortable powdery sensation

Type: anionic
Form: pre-neutralized liquid
Function: thickening, stabilizing, texturizing
Preservative free

SEPIPLUS™ S
Hydroxyethyl Acrylate/Sodium Acryloyldimethyl Taurate Copolymer - Polysorbate 80

305 remodeled

Benefits
• pH of use: 3-12

Sensational profile
• Soft & supple

Type: anionic
Form: pre-neutralized liquid
Function: thickening, stabilizing, texturizing
Preservative free

SIMULGEL™ 600
Acrylamide/Sodium Acryloyldimethyl Taurate Copolymer - Isodecyl Alcohol - Polysorbate 80

Excellent gentleness

Benefits
• pH of use: 5.5-12

Sensational profile
• Soft & light touch

Type: anionic
Form: pre-neutralized liquid
Function: thickening, stabilizing, texturizing
Preservative free

SIMULGEL™ EG
Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer - Isodecyl Alcohol - Polysorbate 80

EO free alternative

Benefits
• Compatible with ethylene oxide free formulas
• pH of use: 5.5-12

Sensational profile
• Soft & light touch

Type: anionic
Form: pre-neutralized liquid
Function: thickening, stabilizing, texturizing
Preservative free

SIMULGEL™ EPG
Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer - Caprylic/Capric Glyceride

Easily stabilize fluid formulations

Benefits
• Perfect stabilizer for fluid emulsions
• pH of use: 3-12

Sensational profile
• Soft & light touch

Type: anionic
Form: pre-neutralized liquid
Function: thickening, stabilizing, texturizing
Preservative free

SIMULGEL™ FL
Hydroxyethyl Acrylate/Sodium Acryloyldimethyl Taurate Copolymer - Isodecyl Alcohol - Polysorbate 80

Benefits
• pH of use: 5.5-12

Sensational profile
• Soft & light touch

Type: anionic
Form: pre-neutralized liquid
Function: thickening, stabilizing, texturizing
Preservative free
**SIMULGEL™ I-NS 100**

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

**Benefits**
- Variable polymer
- For sprays, ultra fluid to thick formulas
- pH of use: 3-12

**Sensory profile**
- Quick break fresh texture

**Type:** anionic
**Form:** pre-neutralized liquid
**Function:** thickening, stabilizing, texturizing
**Preservative free**

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**SIMULGEL™ NS**

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

**Benefits**
- Based on vegetable square
- For sprays, ultra fluid to very thick formulas
- pH of use: 3-12

**Sensory profile**
- Fresh, melting texture

**Type:** anionic
**Form:** pre-neutralized liquid
**Function:** thickening, stabilizing, texturizing
**Preservative free**

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**SIMULGEL™ SMS 88**

**Smooth multi solutions**

**Benefits**
- Multi solution polymer
- For use: 3-12
- Biokompatible

**Sensory profile**
- Cushiony texture, rich & supple

**Type:** anionic
**Form:** pre-neutralized liquid
**Function:** thickening, stabilizing, texturizing
**Preservative free**

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**GELAL® SPE**

**The marine alternative**

**Benefits**
- The marine silicone
- Base for gels & serums
- Biodegradable
- Bio-sourced

**Sensory profile**
- Smoothness without sticky effect

**Type:** anionic
**Form:** gel
**Function:** thickening, stabilizing
**Preservative free**

---

**SOLAGUM™ AX**

**Film-forming stabilizer**

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

**Sensory profile**
- Aesthetic moisturizing sensation

**Type:** anionic
**Form:** powder
**Function:** thickening, stabilizing, texturizing
**Preservative free**

---

**SOLAGUM™ TARA**

**Boost viscosity & define texture**

**Benefits**
- Polygalacturonic acid 100% plant origin
- Powerful thickening natural gum
- Texturizing agent
- Resistance to electrolytes
- Synergistic efficiency with SEPIMAX™ ZEN & SEPINOV™ range

**Sensory profile**
- Infinitely combinantable softness

**Type:** non ionic
**Form:** powder
**Function:** thickening, texturizing, stabilizing
**Preservative free**

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**Cationic latex**

**SIMULQUAT™ HC 305**

**Anionic/lauryl/limmonium Chloride/ Acrylates Copolymer - Isohexadecane and Clove Oil**

**Benefits**
- Compatible with cationic actives & surfactants
- Gold biocompatible
- Creates a variety of textures: glossy creamy
- For sprays
- Stabilizes a wide range of oils including silicones
- Excellent solvent compatibility
- Pre-neutralized

**Sensory profile**
- Silky like feel

**Type:** cationic
**Form:** pre-neutralized liquid
**Function:** thickening, stabilizing
**Preservative free**

---

**Cationic texturizer**

**CAPIGEL™ 98™**

**Acrylate Copolymer**

**Benefits**
- Excellent thickener for stabilized surfactant systems
- After neutralization (pH>4.5), it instantly thickens medium to heavy media
- Resistant to electrolytes
- Very good resistance to electrolytes & polar solvents
- Can be used in sprayable formulas

**Sensory profile**
- Thick texture

**Type:** anionic
**Form:** liquid
**Function:** thickening
**Preservative free**

---

**Rinse-off application**

**SEPIPLUS™ S & SEPINOV™ range**

**Boost creativity with serenity**

**Benefits**
- Maximum resistance to electrolytes
- pH of use: 2-8
- Produces clear gels
- Produces creamy gels
- Highly compatible with ethanol & solvents

**Sensory profile**
- Brings softness to the latter

**Type:** anionic
**Form:** pre-neutralized powder
**Function:** thickening, stabilizing, suspending, texturizing
**Preservative free**

---

**Film-forming stabilizer**

**SEPIPLUS™ TARA**

**Elegant booster**

**Benefits**
- Polygalacturonic acid 100% plant origin
- Texturizing agent
- Resistance to electrolytes
- Synergistic efficiency with SEPIMAX™ ZEN & SEPINOV™ range

**Sensory profile**
- Not greasy in softness

**Type:** non ionic
**Form:** powder
**Function:** thickening, stabilizing, texturizing
**Preservative free**

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**POLYMERIC THICKENERS & STABILIZERS**
**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™
Oleyldodecanol - Oleyldodecyl Xyloside - PEG-30 Dipolyhydroxystearate

Ecological emulsifier for well-being

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

Sensory profile
- Conventional W/O emulsions: soft, silky, easy to spread & not sticky skin feel
- GELTRAP™ emulsions: fresh, soft, cushion & comfortable sensation

FLUIDANOV™ 20X
Oleyldodecanol - Oleyldodecyl Xyloside

Multi-functional co-emulsifier

Benefits
- PEG-free co-emulsifier for conventional W/O emulsions with a cold process
- Enables to create PEG-free 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 & not sticky skin feel
- GELTRAP™ emulsions: fresh, soft, cushion & comfortable sensation
- Cream gels and O/W emulsions: soft & emollient skin feel

MONTANOV™ 481 VG
Stearic Acid - Stearic Acid - Hydrogenated Castor Oil - Stearic Acid

The cold-cream base

Benefits
- Neutral lipophilic emulsifier derived from vegetable origins
- 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
Arachidyl/Alcohol - Behenyl Alcohol - Arachidyl Glucoside

Light & mattifying touch

Benefits
- Outstanding emulsifying properties: emulsifies easily all types of oils (60% - 80%)
- Liquid crystalline phase promoter
- Active emulsifier: moisturizing effect up to 5 hours
- High pigment compatibility
- Good compatibility with H2O2

Sensorial profile
- Soft, light & matte finish

MONTANOV™ 68 & MONTANOV™ 68 MB
Cetyl/Alcohol - Cetyl Glucoside

The bio-based pioneer

Benefits
- Outstanding emulsifying properties: emulsifies easily all types of oils (60% - 80%)
- Liquid crystalline phase promoter
- Active emulsifier: moisturizing effect up to 5 hours
- Creamy to thick cream textures

Sensorial 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 crystalline phase promoter
- Active emulsifier: moisturizing effect up to 5 hours
- Good compatibility with organic & inorganic sunscreens
- High pigment compatibility
- Versatile textures: from spray to thick creams

Sensorial profile
- Soft, rich & bouncy skin feel

MONTANOV™ L
C12-20 Alkyl Alcohol - C12-20 Alkyl Glucoside

Creator of endless textures

Benefits
- Outstanding emulsifying properties: emulsifies easily all types of oils (60% - 80%)
- Liquid crystalline phase promoter
- Active emulsifier: moisturizing effect up to 5 hours & up to 24 hours in combination with AQUAXYL™
- High pigment compatibility
- Versatile textures: from spray to thick creams

Sensorial profile
- Soft & light skin feel

MONTANOV™ S
Coco-Glucoside - Coconut Alcohol

Excellent universal co-emulsifier

Benefits
- Liquid crystalline phase promoter
- Active emulsifier: moisturizing effect up to 5 hours
- Good compatibility with organic & inorganic sunscreens
- Texturizing agent for creaming formulas

Sensorial profile
- Neutral skin feel
<table>
<thead>
<tr>
<th>Product</th>
<th>Form</th>
<th>Function</th>
<th>HLB</th>
<th>Preservative free</th>
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SENSORY INGREDIENTS

A palette of solutions & sensations

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

**Emollients**

**EMOGREEN™ L15**
C15-19 Alkane (Renewable)

**Very light bio-based emollient**

**Benefits**
- Excellent compatibility with esters, vegetable, mineral oils

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

**EMOGREEN™ L19**
C15-19 Alkane (Renewable)

**Light bio-based emollient**

**Benefits**
- Biodegradable alternative to silicone oil

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

**EMOSMART™ C28**
C21-28 Alkane

**Cocoon emollient**

**Benefits**
- Excellent compatibility with esters, vegetable, mineral oils

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

**EMOSMART™ L15**
C15-19 Alkane

**Very light emollient**

**Benefits**
- Excellent compatibility with silicone, esters, vegetable and mineral oils

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

**EMOSMART™ L19**
C15-19 Alkane

**Light emollient**

**Benefits**
- Excellent compatibility with esters, vegetable, mineral oils
- Helps to disperse minerals (TiO2/ZnO)

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

**EMOSMART™ V21**
C18-21 Alkane

**Versatile emollient**

**Benefits**
- Excellent compatibility with esters, vegetable, mineral oils

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

**LANOL 1688**
Cetyl/Ethylenediamine

**Comfortable emollient**

**Benefits**
- Water repellent

**Sensorial profile**
- Soft & light

**LANOL 2681**
Cyclo-Caprylate/Caprate

**Green universal oil**

**Benefits**
- Superfatting agent

**Sensorial profile**
- Soft & light

**LANOL 37 T**
Triheptanoin

**Sunscreen aid**

**Benefits**
- Solubilizes organic sunscreens

**Sensorial profile**
- Soft & light

**LANOL 99**
Isononyl Isononanoate

**Liquid silk**

**Benefits**
- Very good compatibility with silicone oil

**Sensorial profile**
- Silicone-like

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

**Marine silicone**

**Benefits**
- Silicone & glide, the perfect silicone-substitute film-forming

**Sensorial profile**
- Silicone-like
**LANOL 14 M**
Methyl 3-Mycoside

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

**Sensory profile**
- Soft, oil & aromatic skin feel
- Easy to spread

**Melting point:** 30°C
**Form:** solid/paste

**Preservative free**

---

**LANOL P**
Glycol Palmitate

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

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

**Melting point:** 48-50°C
**Form:** solid/paste

**Preservative free**

---

**MONTANOV™ 14**
Mycoside Hydro - Mycoside Glyceride

**Green texturizer**

**Benefits**
- Green consistency agent providing stable viscosity in different storage conditions

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

**Melting point:** 30°C
**Form:** solid/paste

**Preservative free**

---

**SEPIFEEL™ ONE**
Palmityl Proline - Magnesium Palmityl Glutamate - Sodium Palmityl Sarcosinate

**Sensory enhancer**

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

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

**Melting point:** 48-60°C
**Form:** solid/paste

**Preservative free**

---

**PHYCOCORAIL™**
Lithothamnion Calcium Extract - Monostat - Diatomaceous Earth - Zinc Sulfer

**Oceans powder**

**Mode of action**
- 30% of absorption
-phi value
- High density, very large specific surface

**Sensory profile**
- Matte & dry effect

**Preservative free**

---

**SEPIMAT™ CP 5**
Methyl Methacrylate Crosspolymer

**Quintessential texture**

**Benefits**
- Ultrafast solid/microspheres with a smooth surface
- Leaves a soft & powdery feel onto the skin with a matte finish

**Sensory profile**
- Powderly-fresh sensation

**Solubility:** hydro & lipo-dispersible

**Preservative free**

---

**SEPIMAT™ H10**
Methyl Methacrylate Cisopolymer - Phenylethyl Lactate - Silk

**Pure texture**

**Benefits**
- Hollow hemispherical shaped powder
- Excellent absorption & mattifying properties
- Easy to press & perfect for loose, hot poured & pressed powder applications as well as emulsions

**Sensory profile**
- Ultra soft afterfeel

**Preservative free**

---

**SEPIMAT™ H10 FW**
Methyl Methacrylate Cisopolymer - Silicone

**Pure texture**

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

**Sensory profile**
- Ultra soft afterfeel

**Preservative free**

---

**SEPIMAT™ HB V**
Methyl Methacrylate Cisopolymer

**Opulent & majestic texture**

**Benefits**
- Hollow & ultra light microspheres that impart a “powdery” effect at low use levels, especially in formulations containing low levels of oily materials (O/W, W/O or W/Si emulsions)
- Excellent oil absorption capacity

**Sensory profile**
- Ultra soft afterfeel

**Preservative free**

---

**SEPIMAT™ P**
Poly(methyle methacrylate)

**Hydro-crazy texture**

**Benefits**
- Solid & smooth, sphere - perfect choice for all types of skin care formulation

**Sensory profile**
- Soft afterfeel

**Preservative free**

---

**SEPIMAT™ SB**
Methyl Methacrylate Cisopolymer

**A Jack of all textures!**

**Benefits**
- Absorbs, soft microspheres ideal for soft skin & matte appearance
- Variable and easy dispersive powder is suitable for all types of formulations
- Ideal for fluid or sprayable formulations due to its fine granulometry

**Sensory profile**
- Barely there, powderly nude skin feel

**Preservative free**

---

**SEPIPRESS™ M**
Acrylates Copolymer - Silica

**Camera-ready flawless textures**

**Benefits**
- Soft matting powder
- Supple & deformable microspheres
- Creates pressed powders that are easy to pick up & shock resistant
- Excellent candidate for all types of emollients formulations

**Sensory profile**
- Silky smooth, powdery afterfeel

**Preservative free**

---

**INGREDIENTS**

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**Preservative free**

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- Excellent candidate for all types of emollients formulations

**Sensory profile**
- Silky smooth, powdery afterfeel

**Preservative free**

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

Playful softness & protection

FUNCTIONAL ADDITIVES

FOAMING & SOLUBILIZING AGENTS
Aminoacid derived surfactants / Glucose based surfactants / Specific blends / Others

SCRUBS

PRESERVATIVES & BOOSTERS
Preservatives / Boosters

A-Z Index
### Foaming & Solubilizing agents

#### Aminoacid derived surfactants

**ORAMIX™ L 30**
- **Sodium Lauroyl Sarcosinate**
- Top choice for SLES free
  - **Benefits**
    - Alternative to SLES in sulfate-free formulations
    - Excellent soft & abundant foam
  - **Sensorial profile**
    - Abundant foam

**PROTEOL™ APL**
- **Sodium Cocoyl Apple Amino Acid**
- Naturally inspired creamy textures
  - **Benefits**
    - Derived from amino-acids characteristic of apple juice
    - Excellent eye & skin tolerance
    - Sulfate free
  - **Sensorial profile**
    - Dense & abundant foam

**PROTEOL™ OAT PF**
- **Sodium Lauroyl Oat Amino Acid**
- Unlimited mildness, gentle cleansing
  - **Benefits**
    - Derived from amino-acids characteristic of oats
    - Maintains the integrity of the skin barrier
    - Sulfate free
  - **Sensorial profile**
    - Dense & abundant foam

**SOMEPON™ T 25**
- **Sodium Methyl Cocoyl Taurate**
- Purely foam, no stripping effects
  - **Benefits**
    - Ultra gentle surfactant
    - Provides abundant & creamy soap-like foam
    - Sulfate free
  - **Sensorial profile**
    - Creamy rich soap-like foam

#### Glucose based surfactants

**ORAMIX™ CG 110**
- **Caprylyl/Caprylyl Glucoside**
- 100% bio-based foaming & solubilizing
  - **Benefits**
    - Gentle cleansing agent
    - Provides a fine, abundant foam
  - **Sensorial profile**
    - Fine & abundant foam

**ORAMIX™ NS 10**
- **Decyl Glucoside**
- 100% bio-based high foaming power
  - **Benefits**
    - Provides an abundant, stable foam
    - Very well-tolerated gentle cleanser at recommended use level
  - **Sensorial profile**
    - Abundant foam

**SEPICLEAR G7™**
- **N-Methyl Glucoside**
- 100% bio-based hydrophilic stabilizer
  - **Benefits**
    - Excellent solubilizer/co-emulsifier
    - Good wetting properties
    - Non-foaming surfactant
    - Concentrated hydrophilic agent
  - **Sensorial profile**
    - Delicate foam

#### 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 agent
  - **Sensorial profile**
    - Absorbent foam

**ORONAL LCG E OD**
- **PEG-60 Glyceryl stearate - Sodium Cocosulfate**
- Extreme mildness
  - **Benefits**
    - Colorless anti-oxidative surfactant
    - Outstanding eye & skin tolerance
  - **Sensorial profile**
    - Delicate foam

---

**Table of Surfactants:***

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<thead>
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<th>Type</th>
<th>Form</th>
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**Specific blends:***

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### AMONYL™ 380 BA

- **Name:** Cocamidepropyl Betaine
- **Characteristics:**
  - Betaine
  - Provides a fine foam that is stable over time
  - Stabilizes & boosts the foam of anionic surfactants
  - Sulfate free
- **Type:** ampholytic
- **Function:** foaming
- **Dry extract:** 30%
- **Preservative free:** Yes

### AMONYL™ 675 SB

- **Name:** Cocamidepropyl Hydroxyethylamine
- **Characteristics:**
  - Surfactant
  - Substitutability enhanced at acidic pH values
  - Provides a fine foam that is stable over time
  - Easy to thicken
  - Sulfate free
- **Type:** ampholytic
- **Function:** foaming
- **Dry extract:** 50%
- **Preservative free:** Yes

### MONTANOX™ 20 DF

- **Name:** Polysorbate 20
- **Characteristics:** Non-ionic surfactant
- **Type:** non-ionic
- **Form:** liquid
- **HLB:** 18.7
- **Function:** thickening, solubilizing, hydrophilic emulsifier
- **Preservative free:** Yes

### MONTANOX™ 80 VG DF

- **Name:** Polysorbate 80
- **Characteristics:**
  - Non-ionic surfactant
  - Solubilizer for essential oils & cosmetic active ingredients
  - Excellent solubilizing agent
- **Type:** non-ionic
- **Form:** liquid to paste
- **HLB:** 16
- **Function:** solubilizing, hydrophilic emulsifier
- **Preservative free:** Yes

### SIMULSOL™ 1292 DF

- **Name:** PEG-20 Hydrogenated Castor Oil
- **Characteristics:**
  - Non-ionic surfactant
  - Solubilizer for essential oils & cosmetic active ingredients
  - Excellent solubilizing agent
- **Type:** non-ionic
- **Form:** liquid
- **HLB:** 15
- **Function:** solubilizing, hydrophilic emulsifier
- **Preservative free:** Yes

### SIMULSOL™ 1293

- **Name:** PEG-40 Hydrogenated Castor Oil
- **Characteristics:**
  - Non-ionic surfactant
  - Solubilizer for essential oils & cosmetic active ingredients
- **Type:** non-ionic
- **Form:** liquid
- **HLB:** 11
- **Function:** solubilizing, hydrophilic emulsifier
- **Preservative free:** Yes

### SIMULSOL™ 220TM

- **Name:** PEG-205 Glycerol Stearate
- **Characteristics:**
  - Non-ionic surfactant
  - Thickener for foaming formula
  - Reduces irritation caused by SLES
- **Type:** non-ionic
- **Form:** wax
- **HLB:** 5
- **Function:** thickener
- **Preservative free:** Yes

### SIMULSOL™ 98

- **Name:** Cremo 20
- **Characteristics:**
  - Non-ionic surfactant
  - Liquid for emulsification
- **Type:** non-ionic
- **Form:** liquid
- **HLB:** 6.6
- **Function:** solubilizing, hydrophilic emulsifier, lubricant
- **Preservative free:** Yes

### SIMULSOL™ P 23

- **Name:** Launch 23
- **Characteristics:**
  - Non-ionic surfactant
  - Liquid for emulsification
- **Type:** non-ionic
- **Form:** liquid
- **HLB:** 9.3
- **Function:** solubilizing, thickener
- **Preservative free:** Yes

### MICRO ALGUE 80

- **Name:** Diatomaceous Earth (Sodium Detergamt)
- **Benefits:**
  - Gentle peeling agent
  - Sensorial profile
  - Pure crystal for a body shape
- **Type:** non-ionic
- **Form:** liquid
- **Particle size:** between 200 & 500 µ
- **Preservative free:** Yes

### SEL GRAIN™

- **Name:** Sea Salt
- **Benefits:**
  - Pure crystal for a body shape
  - Gentle peeling agent
- **Type:** non-ionic
- **Form:** powder
- **Particle size:** <2 mm
- **Preservative free:** Yes

---

**Others**

- **AMONYL™ 380 BA**
- **AMONYL™ 675 SB**
- **MONTANOX™ 20 DF**
- **MONTANOX™ 80 VG DF**
- **SIMULSOL™ 1292 DF**
- **SIMULSOL™ 1293**
- **SIMULSOL™ 220TM**
- **SIMULSOL™ 98**
- **SIMULSOL™ P 23**

---

**Functional Additives**

**Others**

- **AMONYL™ 380 BA**
- **AMONYL™ 675 SB**
- **MONTANOX™ 20 DF**
- **MONTANOX™ 80 VG DF**
- **SIMULSOL™ 1292 DF**
- **SIMULSOL™ 1293**
- **SIMULSOL™ 220TM**
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**Others**

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**Others**

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- **SIMULSOL™ 1292 DF**
- **SIMULSOL™ 1293**
- **SIMULSOL™ 220TM**
- **SIMULSOL™ 98**
- **SIMULSOL™ P 23**

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### Preservatives & Boosters

#### AMINAT G
Glycerin - Ethyl Lauroyl Arginate HCl

- **Benefits:**
  - Presents a very large spectrum, efficacious at low levels, biodegradable, non-irritant for eyes or skin
  - Ideal for sensitive & fragile skins
  - Large MIC & challenge tests values
  - Identified mechanism of action

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

#### SEPIDCE™ HB
Phenoxyethanol - Methylparaben - Propylparaben - Butylparaben

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

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

#### SEPIDCE™ LD
Phenoxyethanol

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

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

#### FLUIDIPURE™ 8G
Methyleneglycol - Capryloyl Glycine - Xylitylglicoside

- **Benefits:**
  - Helps reinforce conventional preservative systems & is more adapted to the need of sensitive or fragile skins
  - Boosts protection of conventional preservative against bacteria, yeast & moulds in a ready to use liquid form

- **Solubility:** soluble in water above pH 5
- **Form:** liquid

#### LIPACIDE™ C8G
Capryloyl Glycine

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

- **Solubility:** soluble in water above pH 7
- **Form:** powder

#### LIPACIDE™ UG
Undecylenoyl Glycine

- **Benefits:**
  - Good synergy with LIPACIDE™ C8G for a preservative free approach
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.40 our polymeric thickeners & stabilizers

LIQUID CRYSTALS EMULSIONS & LAMELLAR PHASES
With our glycolipids emulsifiers
See p.47 our specialty bio-based emulsifiers

TEXTURIZING POWDERS
Spheric, hollow, marine… a full palette to customize your sensorials
Discover SEPIMAT™, PHYOCORAIL™ p.54

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<td>QD Additive: approved as QD additive in Japan.</td>
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**Legend**

- **FUNCTION**
  - Actives
  - Emulsifiers
  - Sensory Ingredients
  - Functional Additives
  - Polymeric Thickeners & Stabilizers

- **TECHNOLOGY**
  - Bio-based Chemistry
  - Marine Biotechnologies

**APPROVALS**

- **China Compliant:** all INCI names are listed on the IECIC list of June 2014.
- **QD Additive:** approved as QD additive in Japan.
- **ECOCERT Cosmetics:** raw material approved by ECOCERT GREENLIFE, in conformity with Ecocert natural and organic cosmetic standard.
- **COSMOS Approved:** raw material approved by ECOCERT GREENLIFE, in conformity with Cosmos standard.
- **NATRUE Approved:** raw material certified according to Natrue standard.
- **RSPO GreenPalm Programme:** supports the production of sustainable palm oil through the GreenPalm programme (Book&Claim certification).
By using Balance Silk paper FSC certified rather than non-recycled paper, the environmental impact was reduced by:

- 340 kg of CO₂ or the equivalent of 2 752 kg of landfill
- 3 150 km of travel in an average European car
- 72 565 liters of water
- 6782 kWh of energy
- 6750 kg of wood

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- Size: 21 x 23.7 cm
- Quantity: 5 000 ex
- 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: 72
- Basis weight: 115 g/m²
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