Ingredient
PORTFOLIO



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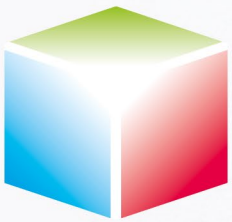
Synergizing ideas™



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Where nature meets science to create the future of cosmetic ingredients

Redefining beauty through innovation and sustainability



ACTIVE LINE

Anti aging

Bioptimized™ Guava
Senescence Response

INCI: Propanediol, Psidium Guajava Leaf Extract, Saccharomyces Lysate Extract

- Inflamm-aging response
- Inhibition of Senescence
- **Prevention of signs of aging**

ReGENESEA™ LS
Cell rejuvenation | Epidermal reactivation

INCI: Glycerin, Water, Laminaria Saccharina Extract

- Chrono-aging response
- Cell rejuvenation
- **Reverses the effect of aging**

Anti imperfections

PurySEA™ SD
Cleansing wave

INCI: Glycerin, Water, Laminaria Saccharina Extract, Laminaria Digitata Extract

- **Skin purification**
- Reduction in skin blemishes
- Mattifying efficacy

Skin lightening

GinsenoLite™-G
Vital energy

INCI: Glycerin, Water, Panax Ginseng Root Extract

- **Skin whitening**
- No signs of toxicity on melanocytes
- Digital aging response (blue light protection)

Activoil™ Spotless ZRO
Skin luminescence

INCI: Ribes Nigrum (Black Currant) Seed Oil, Octyldodecanol, Octyldodecyl Oleate, Octyldodecyl Stearoyl Stearate, Paeonia Suffruticosa Root extract, Rosmarinus Officinalis (Rosemary) Leaf Extract

- **Skin luminescence** – youth gain of 20 years
- Prevention of age spot insurgence
- Reduction of age spot pigmentation

Hair care

Plant C•Stem™ Bamboo
Hair Food

NCI: Glycerin, Water, Phyllostachys Pubescens Meristem Cell Lysate

- Reduction of **hair loss**
- Increase in volume, density and lenght of lashes
- Hair anti-aging effect

Activoil™ Kerox-Pro™
Hair shield

INCI: Raphanus Sativus (Radish) Seed Extract, Octyldodecyl Oleate, Octyldodecanol, Magnolia Officinalis Bark Extract, Rosmarinus officinalis (Rosemary) Leaf Extract

- **Hair shield**
- Reduces UV-induced color fading
- Maintains cuticle ultrastructure integrity

Environmental protection

Activoil™ Echnidium ZRO
A solution against chemical stress

INCI: Echium Plantagineum Seed Oil, Octyldodecanol, Octyldodecyl Oleate, Octyldodecyl Stearoyl Stearate, Cnidium Monnieri Fruit Extract, Rosmarinus Officinalis (Rosemary) Leaf Extract

- Defence from **chemical stress**
- Deep skin detox solution
- Urban protection

Plant C•Stem™ Vigna radiata
A vacuolar extract of plant stem cells for sun damage repair

INCI: Glycerin, Water, Phaseolus Radiatus Meristem Cell Culture Extract

- Photo-aging response
- Rescue from **sun damage** (UV, blue light, IR protection)
- SPF booster activity

FORMULIENCE™ LINE

O/W emulsifiers

PolyAquol™ 2W
Dermo-Biosystem™

INCI: Polyglyceryl-2 Stearate, Glyceryl Stearate, Stearyl Alcohol

- Polyglycerol-based O/W emulsifier
- Self-emulsifying
- Repairs skin barrier function
- Selective restoration of the cutaneous microflora

PolyAquol™ LW
Selective Collateral Matrix™

INCI: Polyglyceryl-4 Laurate, Polyglyceryl-6 Laurate

- Polyglycerol-based O/W emulsifier
- Cold processable
- Sprayable and fluid lotions

W/O emulsifiers

PolyAquol™ OS2
W/Oligomer™

INCI: Polyglyceryl-2 Oleate, Polyhydroxystearic Acid, Polyglyceryl-2 Stearate

- Polyglycerol-based W/O emulsifier
- Cold processable
- Unique skin feel

PolyAquol™ VO4
W+O Fusion™

INCI: Polyglyceryl-4 Oleate, Polyglyceryl-6 Oleate, Polyhydroxystearic Acid

- Polyglycerol-based W/O emulsifier
- New concept of W+O Fusion
- 100% vegetable oil-friendly

Emollients

innollient™ LO
Of water and senses

INCI: Octyldodecyl Oleate, Octyldodecyl Stearoyl Stearate, Polyhydroxystearic Acid, Octyldodecanol

- Liquid dermo-emollient featured by high spreadability index
- Pigment dispersion
- Improvement in elasticity and skin barrier function

innollient™ SB
Sensorial Butter

INCI: Stearyl Stearate, Oleyl Oleate, Polyhydroxystearic Acid

- Soft emollient paste
- Superior film-forming action
- Soothing efficacy on skin barrier

innollient™ SL
Hydrofeelm™

INCI: Stearyl Linoleate, Stearyl Stearate, Polyhydroxystearic Acid, Stearyl Alcohol

- Soft emollient paste
- Film-forming effect
- Long lasting skin barrier action

Natural solubilizer

Solence™ TL
Clearly natural

INCI: Polyglyceryl-6 Laurate, Polyglyceryl-10 Laurate

- **Natural solubilizer for clear system**
- PEG-free co surfactant
- Cold processable

Solubilizers

Liceryl™-12
A functional approach to reduce skin irritation and protect skin barrier function

INCI: Glyceryl Linoleate, PEG-12 Oleate

- Solubilizer for clear gels
- Reduces surfactant irritation

Eceryl™-12
A functional approach to reduce skin irritation and protect skin barrier function

INCI: Glyceryl Erucate, PEG-12 Oleate

- Co-emulsifier, Solubilizer
- Maintains skin barrier function

Bioptimized™ Guava

Senescence Response

An exclusive anti-aging active ingredient obtained from the bio-fermentation of Guava leaves from Jeju Island, South Korea. Senescent cells produce and secrete various molecules known as the Senescence Associated Secretory Phenotype (SASP) factors "toxifying" the skin tissue environment thus accelerating the age-dependent tissue disorganization. The production of SASP factors is under the control of the synthesis regulator NFkB that is itself rapidly activated as cells become senescent. By preventing the synthesis of SASPs, Bioptimized™ Guava prevents the appearance of early signs of aging and protects the skin from inflamm-aging. Bioptimized™ Guava is a key ingredient for all anti-aging formulations. It can be used as the main ingredient for a powerful anti-aging activity or in combination with "traditional" anti-aging active ingredients to boost their efficacy.

Efficacy

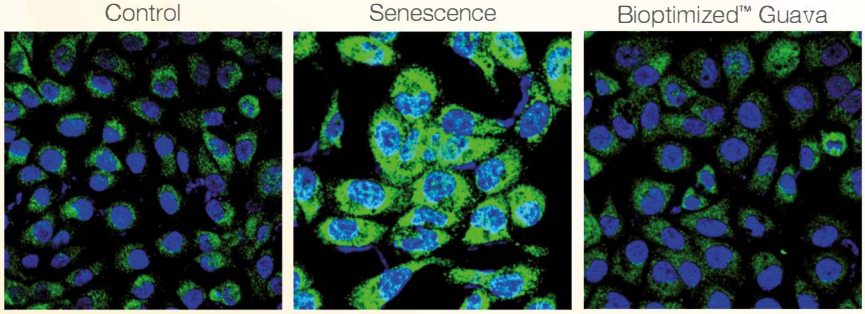
- Inhibition of NFkB activation (Bioptimized™ Guava blocks the degradation of the NFkB inhibitor, IkB and thus locks NFkB in an inactive configuration)
- Inhibition of Eotaxin, COX-2/PGE2, iNOS/Nitric oxide pathways
- Diminution of senescence-related chronic inflammation
- Reduction of age-related SASP side effects
- Reduction of skin damage induced by senescence
- Prevention of tissue disorganization caused by the aging process
- Increase in skin firmness and elasticity
- Decrease in wrinkle depth
- Protection against inflamm-aging
- Decrease in Physiological and UV-induced Skin Oxidative damage
- Anti-aging booster efficacy

Technical information

- **INCI:** Propanediol, Psidium Guajava Leaf Extract, Saccharomyces Lysate Extract
- Water soluble
- Preservative-free; made with non-GMO propanediol
- Recommended concentration 0.5-3%

Applications

- Anti aging
- Anti wrinkle
- Functional make-up



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ReGENESEA™ LS

Cell rejuvenation | Epidermal reactivation

ReGENESEA™-LS is a rejuvenating anti-aging active ingredient obtained from Laminaria saccharina. This marine alga is exposed to conditions of extreme cold along the Canadian coasts where it is harvested. Such environmental conditions endowing marine algae with biological properties concentrated in **ReGENESEA™-LS**. By increasing the gene expression of proteins involved in cell rejuvenation, this active ingredient can reverse the effects of aging ensuring deep and comprehensive protection from chrono-aging. **ReGENESEA™-LS** teaches old skin cells to behave like when they were young.

Efficacy

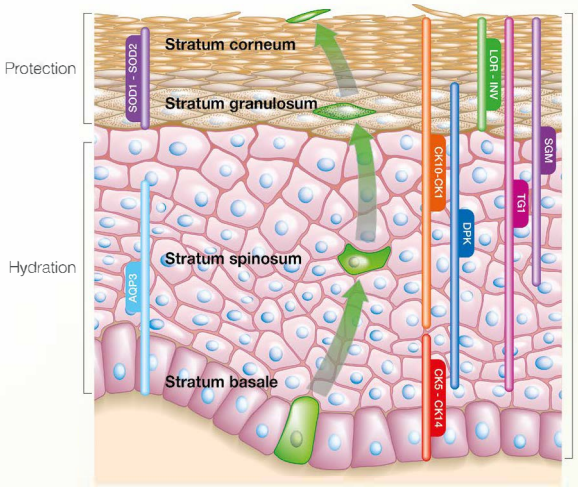
- Rejuvenation of aged cell gene expression
- Global action on the integrity of the extracellular matrix and DEJ
- Stimulation of keratinocyte differentiation and epidermal renewal
- Improvement of skin barrier function
- Increase in skin hydration
- Reduction of wrinkle density and volume
- Smoothing of skin texture
- Improvement of skin visco-elastic properties
- Inversion of chrono-aging

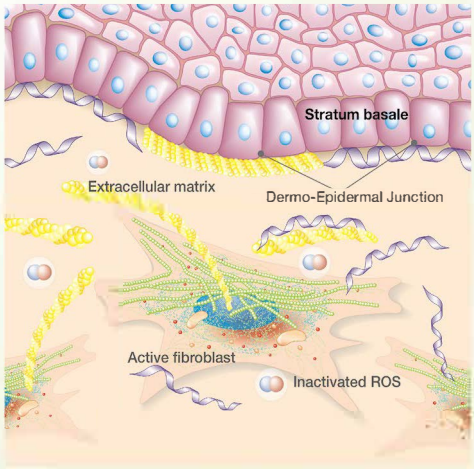
Technical information

- **INCI:** Glycerin, Water, Laminaria Saccharina Extract
- Water soluble
- Preservative-free
- Recommended concentration: 1-3%
- Purified by double-ultrafiltration

Applications

- Anti aging
- Anti wrinkle
- Functional make-up





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PurySEA™ SD

Cleansing wave

Purysea™ SD is an active ingredient extracted from the seaweeds *Laminaria saccharina* and *Laminaria digitata*; large brown alga found in the cold, nutrient-rich waters of the North Atlantic Ocean. These seaweeds are a natural source of zinc, known for its anti-inflammatory effects and role in regulating sebum production. By helping to keep under control those factors, zinc indirectly contribute to acne management. Purysea™ SD has antimicrobial activity against the main acne responsible, *Cutibacterium acnes*, helping reducing the acneic lesions and rebalancing the secretion of sebum. At the same time, it helps to relieve dry skin, providing a deep hydration.

Efficacy

- Inhibition of *Cutibacterium acnes* growth
- Antimicrobial effect vs *Cutibacterium acnes*
- Decrease in number of acneic lesions
- Decrease in inflammatory state of acneic lesions
- Mattifying efficacy
- Maintenance of optimal skin hydration

Technical information

- **INCI:** Glycerin, Water, Laminaria Saccharina Extract, Laminaria Digitata Extract
- Water soluble
- Preservative free
- Recommended concentration 0.2-3%

Applications

- Sebum-regulation products
- Anti-acne treatments
- Purifying creams
- Mattifyng serums

VISIA CR – CR-PO Filter



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GinsenoLite™-G

Vital energy

GinsenoLite™-G is derived from Korean ginseng enriched with the bioactive components ginsenosides. Ginsenosides possess a structure similar to that of plant polyphenols. **GinsenoLite™-G** is standardized based on the content of the ginsenoside Rb3. **GinsenoLite™-G** prevents skin melanocytes from producing and accumulating melanin pigments and was clinically shown to improve skin whitening. Thanks to its antioxidant properties, **GinsenoLite™-G** decreases the Reactive Oxygen Species (ROS), by protecting the skin from oxidative stress and dull complexion induced by blue light exposure.

Efficacy

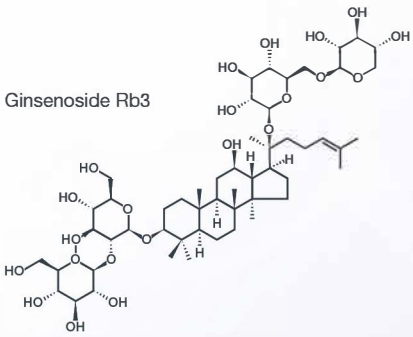
- Inhibition of tyrosinase activity
- Inhibition of melanogenesis
- Reduction of melanin pigmentation
- No signs of toxicity on melanocytes
- Significant skin whitening after 28 days
- Excellent clinical safety profile
- Digital aging protection - protection from oxidative damage caused by blue light

Technical information

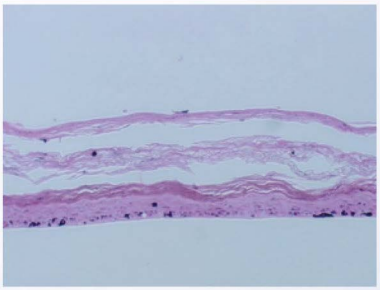
- **INCI:** Glycerin, Water, Panax Ginseng Root Extract
- Water soluble
- Preservative free
- Recommended concentration: 0.2-2%
- Panax ginseng fraction enriched in ginsenosides

Applications

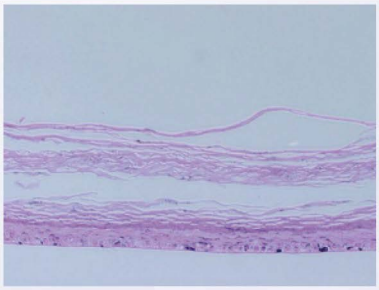
- Skin care
- Skin whitening
- Depigmentation of sensitive areas



Ginsenoside Rb3



Control



GinsenoLite™-G 0.4%

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Activoil™ Spotless ZRO

Skin luminescence

Activoil™ Spotless ZRO is an active ingredient that preserves the luminescence and natural brightness of the skin over time. It is mainly composed of Black currant seed oil as the matrix enhanced with an antioxidant and a Paeonia (peony flowers) extract itself enriched in paeonol. Paeonia is widely known in Traditional Asian Medicine for its healing properties and is often called the King of flowers. All those 3 components are combined in a stabilized and highly functional liposoluble ingredient.

Efficacy

- Improvement of skin luminescence and brightness (L*)
- Youth gain of 10-20 years in skin luminescence
- Reduction of age spot pigmentation and color
- Prevention of UV-induced erythema
- Prevention of age spots insurgence

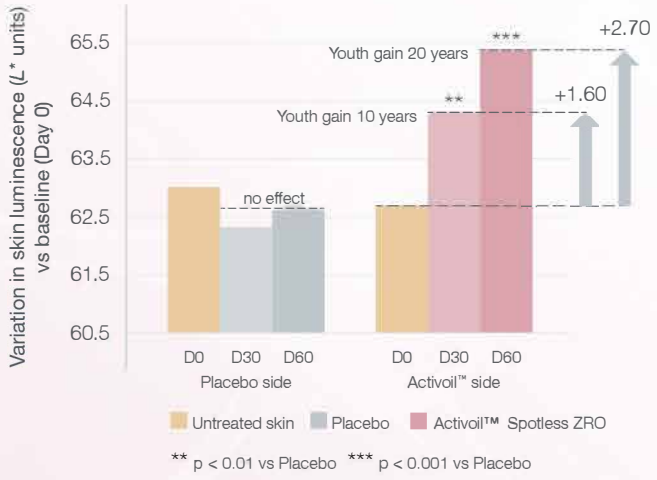
Technical information

- **INCI:** Ribes Nigrum (*Black Currant)* Seed Oil, Octyldodecanol, Octyldodecyl Oleate, Octyldodecyl Stearoyl Stearate, Paeonia Suffruticosa Root Extract, Rosmarinus Officinalis (*Rosemary*) Leaf Extract
- Oil soluble
- Recommended concentration: 0.5-3%
- Stabilized against oxidation

Applications

- Skin lightening
- Anti-aging
- Treatment for dyschromia
- Prevention of sun spots
- Functional make-up

Spectrophotometer® CM-700Dskin luminescence (*L**)



** p < 0.01 vs Placebo *** p < 0.001 vs Placebo

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Plant C•Stem™ Bamboo

Hair Food

Plant C-Stem™ Bamboo is an active ingredient obtained from the vacuolar extract of meristematic cells of Phyllostachys pubescens to strengthen the hair and reduce its fall. Phyllostachys pubescens is the giant bamboo par excellence. In nature, it can reach 30 meters in height and 30 centimeters in diameter, with a daily growth of 1 meter. Bamboo is rich in silicon (Si), an essential component for hair health and beauty. Innovacos has harnessed the power of this plant to develop an ingredient with an essential role in the production of collagen, reduction of hair loss, prevention of hair aging and improvement of lashes strength.

Efficacy

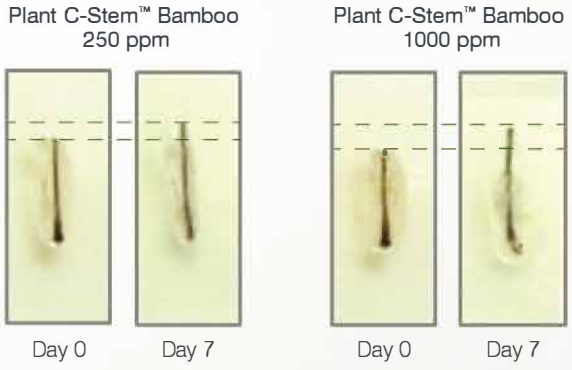
- Improvement in collagen synthesis
- Reduction in elastase activity
- Reduction in glycation
- Increase in HHFK (human hair follicle keratinocytes) and HFDPC (human hair follicle dermal papilla cells)
- Reduction in hair loss
- Increase in hair number
- Enhancement of strength, density and volume of lashes

Technical information

- **INCI:** Glycerin, Water, Phyllostachys Pubescens Meristem Cell Lysate
- Water soluble
- Preservative-free
- Recommended concentration: 0.2-2%

Applications

- Reinforcing shampoo
- Energizing mask
- Anti-loss hair lotion
- Treatments for eyebrows and eyelashes



Hair follicle pictures



Day 0 Day 84

Increase in length, volume and density of eyelashes and eyebrows

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Activoil™ Kerox-Pro™

Hair shield

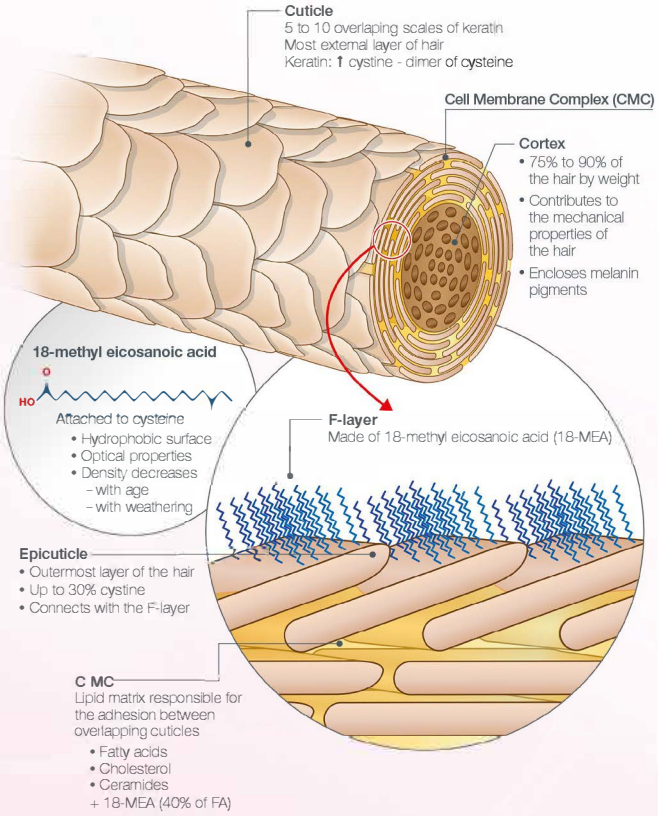
Activoil™ Kerox-Pro™ is a 100% oil-soluble active ingredient that protects hair from the damage caused by styling and solar radiation . It is made of Raphanus sativus seed extract displaying a particular fatty acid profile rich in C22 docosenoic acid. The composition of Raphanus sativus seed extract makes it highly suitable for hair care application especially because of its similarity with 18-MEA. An extract of Magnolia enriched in the molecule honokiol using CO_2 super critical fluid extraction provides an antioxidant capacity to **Activoil™ Kerox-Pro™**.

Efficacy

- Prevention of UV-induced color fading
- Increase in hair antioxidant potential
- Protection against structural damage
- Protection from reduction in hair tensile strength
- Protection and repair from the reduction of hair shine

Technical information

- **INCI:** Raphanus Sativus (*Radish*) Seed Extract, Octyldodecyl Oleate, Octyldodecanol, Magnolia Officinalis Bark Extract, Rosmarinus officinalis (*Rosemary*) Leaf Extract
- Oil soluble
- Recommended concentration: 0.5-3%
- Stabilized against oxidation



Applications

- Restructuring Conditioner
- Replenishing hair mask
- Detoxyfying shampoo
- Color fading prevention treatment
- Protective hair oil
- Make up (eyebrows, eyelashes)

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Activoil™ Echnidium ZRO

A solution against chemical stress

Activoil™ Echnidium ZRO is an active ingredient with anti-inflammatory action that protects and repairs the skin from the harmful effects of chemical agents. It is made from 3 main components: Echium seed oil as the matrix enhanced with an antioxidant and an extract derived from Cnidium monnieri enriched in osthol. Echium seed oil is a rare source of stearidonic acid while Cnidium monnieri is a small red berry used in Traditional Chinese Medicine. All those 3 components are combined in a stabilized and ready-to-use ingredient.

Efficacy

- Prevention and repair of damage to the skin barrier
- Acceleration of skin barrier recovery
- Prevention of skin irritation
- Decrease of skin sensitivity
- Relieve erythema
- Improvement of skin hydration level
- Improving physiological skin defence against chemical stress
- Anti-inflammatory action

Technical information

- **INCI:** Echium plantagineum Seed Oil, Octyldodecanol, Octyldodecyl Oleate, Octyldodecyl Stearoyl Stearate, Cnidium Monnieri Fruit Extract, Rosmarinus Officinalis (*Rosemary*) Leaf Extract
- Oil soluble
- Recommended concentration: 0.5-3%
- Stabilized against oxidation

Applications

- Sanitizing product
- Cleansing product
- Skin detox product



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Plant C•Stem™ Vigna radiata

A vacuolar extract of plant stem cells for sun damage repair

Plant C-Stem™ Vigna radiata is an active ingredient that counteracts photo-aging by offering a comprehensive protection against solar radiations (UV, blue light, infrared). **Plant C-Stem™ Vigna radiata** is a completely new concept of plant extraction. Plant cells contain a big vacuole they use as a warehouse to store bio-active components required for growth and repair. From plant cell cultures, we selectively extract the content of the intracellular vacuole without the use of solvent or enzyme. Using the plant cell vacuole extract is like using the plant "serum".

Efficacy

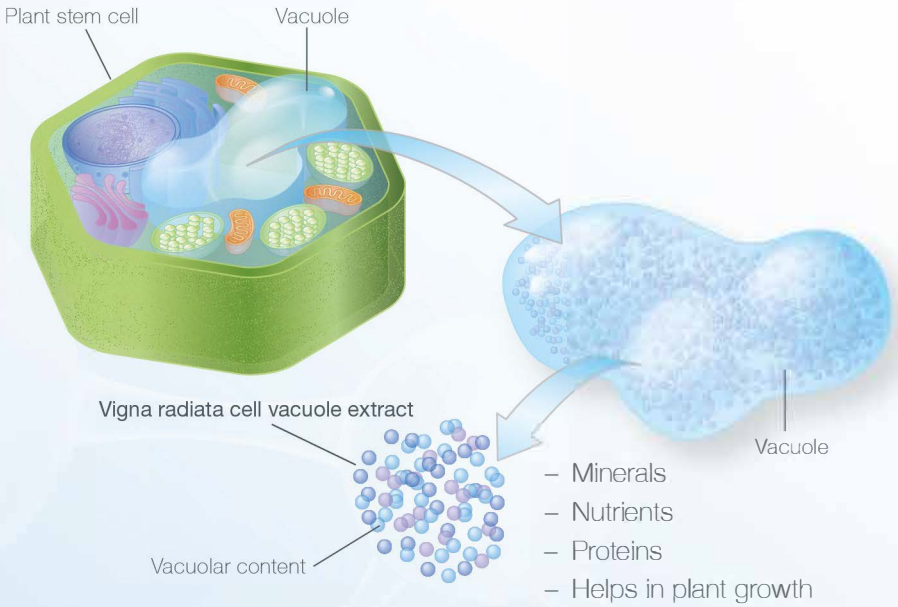
- Increase in cell viability upon UV exposure
- Reduction of UV-induced erythema
- Protection from oxidative damage caused by blue light and infrared exposure
- SPF booster activity
- Photo-aging protection

Technical information

- **INCI:** Glycerin, Water, Phaseolus Radiatus Meristem Cell Culture Extract
- Water soluble
- Preservative-free
- Recommended concentration: 0.2-2%

Applications

- Skin care
- Sun care
- After sun treatment
- Functional make-up



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PolyAquol™ 2W
Dermo-Biosystem™

PolyAquol™-2W is a patented O/W polyglycerol-based self-emulsifier that is all naturally derived. This emulsifier is Ecocert and Cosmos approved. **PolyAquol™-2W** possesses a wide range of formulation compatibility while providing a unique skin feel to emulsions. On a more functional level, **PolyAquol™-2W** can generate highly organized liquid crystals important to provide stability to the emulsion and to ensure compatibility with the skin. **PolyAquol™-2W** was shown to prevent and repair damage caused to the skin barrier function by UV exposure and to regulate the skin microbiota.

Technical information

- **INCI:** Polyglyceryl-2 Stearate, Glyceryl Stearate, Stearyl Alcohol
- O/W emulsions
- Self emulsifying wax, flakes
- Emulsion without co-emulsifier addiction
- Can be added to the water phase or the oil phase of an emulsion
- HLB-independent
- Electrolyte tolerant
- Forms liquid crystals
- Compatible with various oils, esters and thickeners
- Recommended use level: 1-5%
- Wide range of pH (3-9)

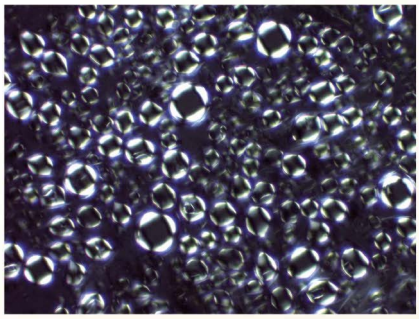
Efficacy

- Prevention of UV-induced damage to the skin barrier
- Pepair of compromised skin barrier function
- Selective restoration of the cutaneous microflora

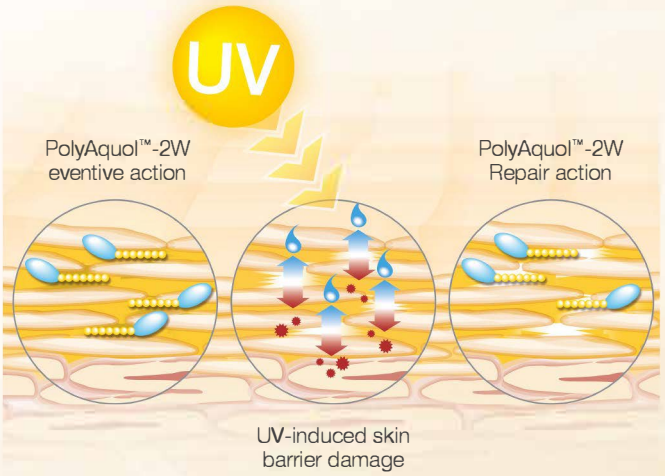
Applications

- Skin care
- Sun care
- Hair care
- Make-up

Liquid crystals



Clinical actions of PolyAquol™-2W on skin barrier function



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PolyAquol™ LW

Selective Collateral Matrix™

The selection of highly purified polyglyceryl and fatty acid building blocks coupled to molecular engineering knowhow led to the creation of **PolyAquol™-LW** (patented). The key features of **PolyAquol™-LW** reside in its ability to form O/W emulsion in a cold-process environment while achieving very low levels of viscosity. It can be incorporated in the water phase or in the oil phase, independently. Those characteristics make **PolyAquol™-LW** perfectly suited for "one-pot" emulsions and also low-energy processes avoiding the use of heat or homogenization. Moreover, its Cosmos status and palm-free origin make it an ideal candidate for green formulations. Thanks to its molecular design, **PolyAquol™-LW** outperforms other emulsifiers with an apparent similar chemical composition.

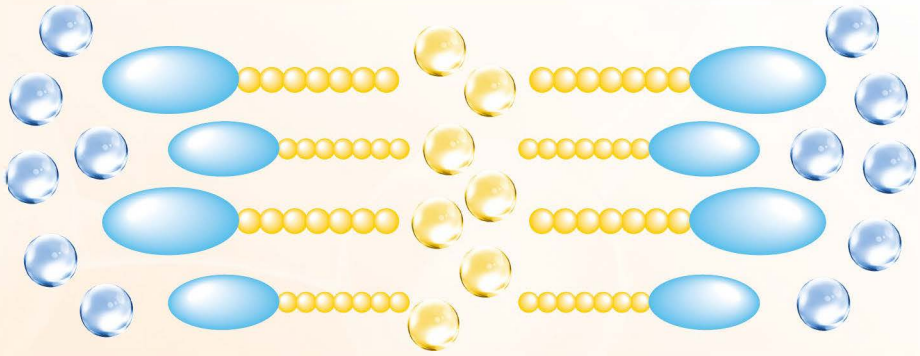
Technical information

- **INCI:** Polyglyceryl-4 Laurate, Polyglyceryl-6 Laurate
- Cold process O/W emulsions
- Viscous liquid
- Emulsion without co-emulsifier addiction
- Ideal for low viscosity lotions and sprayable emulsions
- One-pot emulsions
- Compatible with lipid phase of different chemistry and polarity
- Compatible with synthetic and naturally derived thickeners
- Low energy systems
- Recommended use level: 2-6%
- Wide range of pH (3-9)

Applications

- Skin care
- Sun care
- Hair care
- Make-up

Selective Collateral Matrix



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PolyAquol™ OS2
W/Oligomer™

PolyAquol™-OS2 is a patented W/O polyglycerol-based self-emulsifier that is all naturally derived with Ecocert and Cosmos approvals. It can advantageously be used for cold-processed emulsions. **PolyAquol™-OS2** can generate W/O emulsions endowed with a very light texture and skin feel. It is compatible with silicone derivatives and enhances the emulsifying properties of other emulsifiers. It is perfectly suited for sunscreen and makeup formulations containing powders and pigments

Technical information

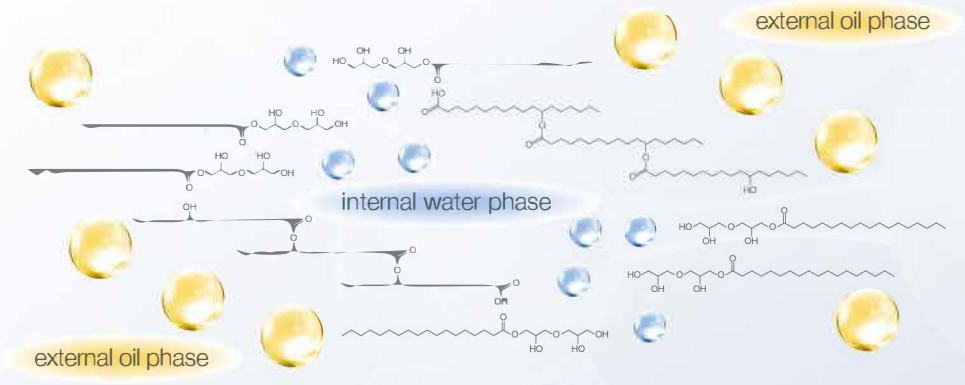
- **INCI:** Polyglyceryl-2 Oleate, Polyhydroxystearic Acid, Polyglyceryl-2 Stearate
- Cold process W/O emulsions
- Amber thick gel
- Emulsion without co-emulsifier addiction
- Compatible with oils of various polarity and chemistry (vegetable oils*, esters, mineral oils, silicones**)
- Enhances silicone-emulsifier performances
- Dispersing properties for inorganic UV filters and pigments
- Unique sensorial properties
- Steric stabilization
- Environmentally friendly
- Recommended use level: 2-7%
- Wide range of pH (3-9)

*Maximum vegetable oil content of 30% on the total amount of oil phase

**Maximum silicones (Cyclomethicone) content of 50% on the total amount of oil phase

Applications

- Skin care
- Sun care
- Make-up



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PolyAquol™ VO4
W+O Fusion™

PolyAquol™-VO4 is a new, patented technology in the field of emulsions. Unlike standard emulsifiers, it literally creates a Water-and-Oil Fusion; W+O. Our W+O technology was developed based on synergistic interactions between polyglycerol derivatives of oleic acid and polyhydroxystearic acid. In addition to being completely natural as per its Cosmos certification and palm-free origin, it performs even in the presence of 100% vegetable oil. **PolyAquol™-VO4** is an easily pourable liquid that allows the formation of cold-process emulsions. Its particularity to accept more than 80% of the internal water phase brings full control to the viscosity of the final emulsion. It can create stable emulsions when used in a concentration as low as 2% and surpasses competitors in robustnessand sensoriality. **PolyAquol™-VO4** is perfectly suited for sunscreen and makeup formulations containing powders and pigments.

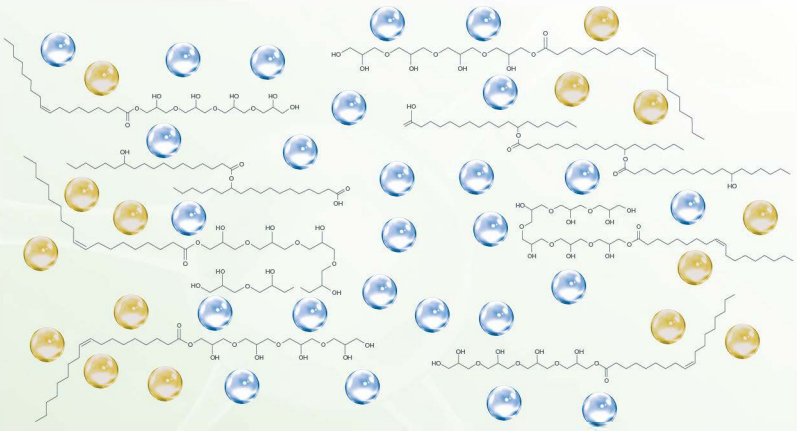
Technical information

- **INCI:** Polyglyceryl-4 Oleate, Polyglyceryl-6 Oleate, Polyhydroxystearic Acid
- Viscous amber liquid
- Cold process W+O emulsions
- Emulsion without co-emulsifier addiction
- High amount of water phase (>80%)
- Compatible with 100% vegetable oils
- Compatible with oils of various polarity and chemistry
- Superior sensorial profile and elegant texture
- Dispersing properties for inorganic UV filters and pigments
- Low energy systems
- Recommended use level: 2-7%
- Wide range of pH (3-9)

Applications

- Skin care
- Sun care
- Make-up

W+O Fusion



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innollient™ LO

Of water and senses

innollient™ LO is a liquid estolide (an ester linkage of one fatty acid to the hydroxyl group of a second one) mainly composed of saturated and unsaturated fatty acids displaying hydrophilic groups with high affinity for water molecules. A structural feature of **innollient™ LO** is the presence of a Guerbet derivative creating a lipophilic lateral branch. This derivative imparts fluidity and low-friction characteristics to **innollient™ LO**. The main benefits provided by **innollient™ LO** are the high spreadability, perfect dispersion of uV filter and powders and clinical benefits for the skin.

Technical information

- **INCI:** Octyldodecyl Oleate, Octyldodecyl Stearoyl Stearate, Polyhydroxystearic Acid, Octyldodecanol
- Soluble in oils
- Recommended use level: 1-10 %
- Dispersion of inorganic UV filters and pigments

Sensorial characteristics

- Natural alternative to Cyclomethicone
- Silicone-like skin feel
- Improving formulation texture, gloss
- Increase in formulation spreadability
- Long-term effect
- Superior emollient action

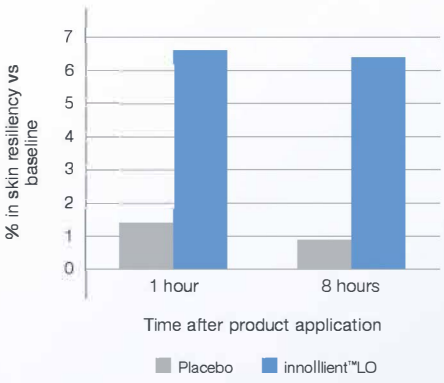
Efficacy

- Improvement of skin barrier function (TEWL)
- Increase in skin resiliency (Cutometry)

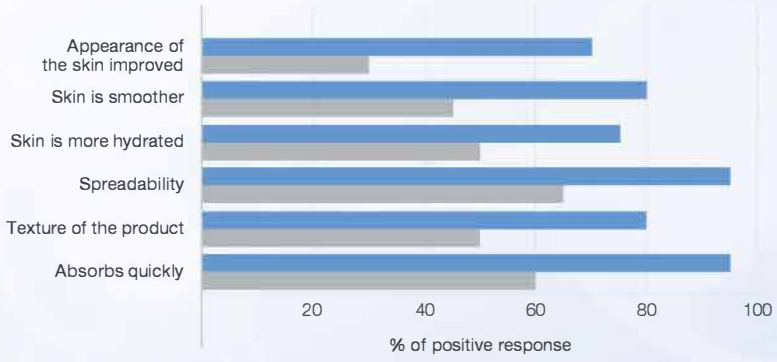
Applications

- Skin care
- Sun care
- Make-up
- Hair care

Skin Resiliency



Sensorial Evaluation



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innollient™ SB
Sensorial Butter

innollient™ SB is soft paste dermo-emollient, ideal for nourishing formulations intended to ensure a film-forming sensation on the skin. With a more nourishing and long-lasting effect, this product has also a higher oxidative stability index than shea butter. **innollient™ SB** has soothing efficacy; it calms redness and accelerates the recovery of the skin barrier after mechanical stress. An innovative skin feel for beauty routine.

Technical information

- **INCI:** Stearyl Stearate, Oleyl Oleate, Polyhydroxystearic Acid
- Soluble in oils
- Recommended use level: 1-10 %
- Oxidative stability

Efficacy

- Improvement of skin barrier function (TEWL)
- Increase in skin resiliency (Cutometry)
- Film-forming properties
- Soothing efficacy after mechanical stress (TEWL and redness)

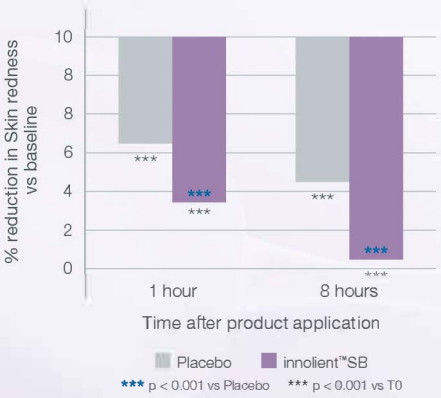
Sensorial characteristics

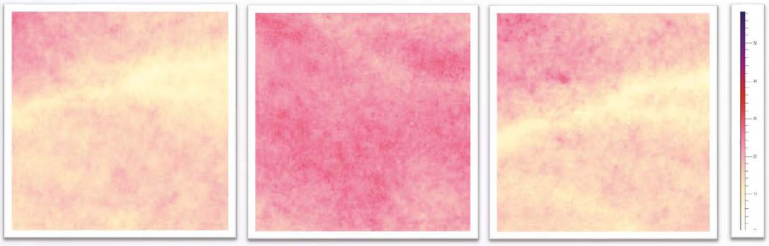
- Improving formulation texture, richness
- Excellent film-forming action
- Long wearing ability
- Superior emollient action
- Rich and velvety feel

Applications

- Skin care
- Sun care
- Make-up
- Hair care

Soothing properties on skin barrier





Before stress

After exposure to mechanical stress by exfolianting gloves

After innollient™SB application (60 min)

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innollient™ SL
Hydrofeelm™

innollient™ SL is a soft wax mainly composed of soy-derived fatty acids including hydrophilic pockets interacting with water molecules through hydrogen bonding. A structural characteristic of **innollient™ SL** is the use of saturated lipophilic acyl linear chains as capping groups in the estolide assemblage. This provides excellent film forming properties to **innollient™ SL** while reinforcing inter-molecular interactions. The main benefits provided by innollient™ SL are the film-forming action and a unique emollient capacity coupled to a significant improvement of the skin barrier function.

Technical information

- **INCI:** Stearyl Linoleate, Stearyl Stearate, Polyhydroxystearic Acid, Stearyl Alcohol
- Soluble in oils
- Recommended use level: 1-10 %

Sensorial characteristics

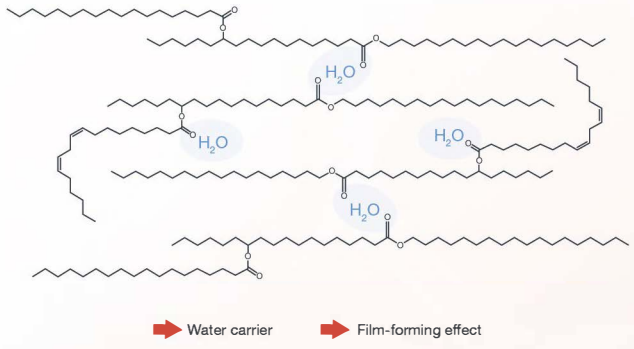
- Film-forming action
- Superior emollient action
- Long-lasting effect (up to 8 hours)

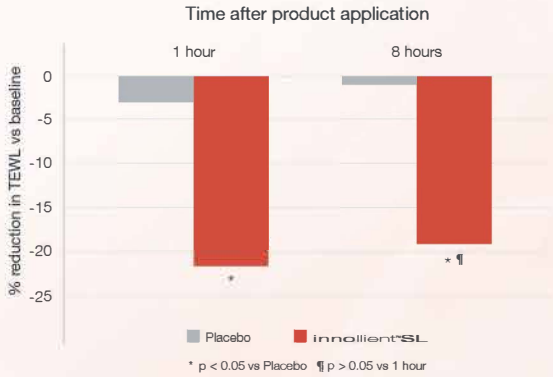
Efficacy

- Improvement of skin barrier function (TEWL)
- Increase in skin resiliency (cutometry)

Applications

- Skin care
- Sun care
- Make-up
- Hair care





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Solence™ TL

Clearly natural

Solence™ TL is a naturally derived solubilizer, PEG free and cold processable. It is able to create clear systems, incorporating lipophilic substances such as perfumes, essential oils and active ingredients, into hydrophilic gels and aqueous solutions.

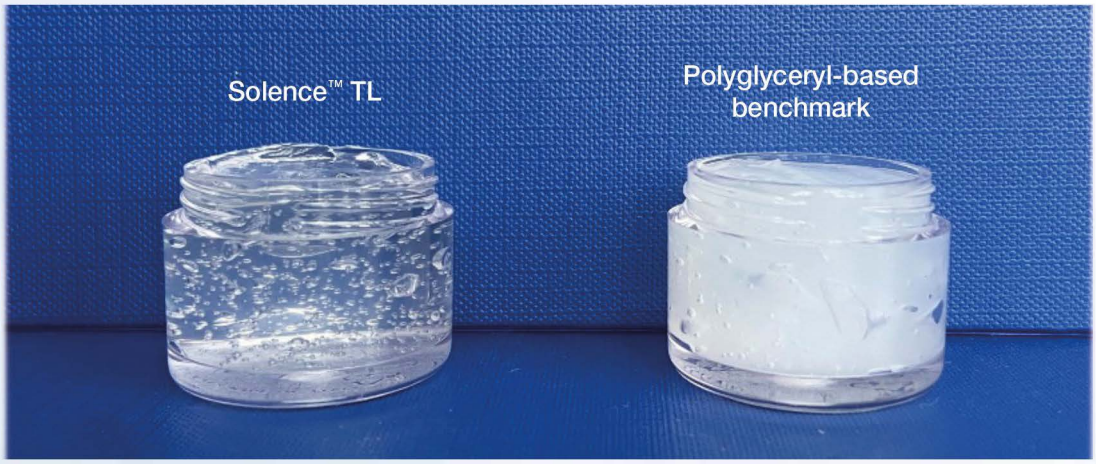
In addition, it can be used in cleansing systems and it is compatible with primary surfactants. This natural solubilizer shows similar foaming properties with benchmarks in terms of volume, while it is even better in terms of the foam appearance (thicker and creamier foam).

Technical information

- **INCI:** Polyglyceryl-6 Laurate, Polyglyceryl-10 Laurate
- Natural solubilizer for fragrances, essential oils and lipophilic actives
- Preservative free
- Pale yellow clear liquid
- Water soluble
- No interference with foam height (volume, density)
- Good and pleasant texturizing effects
- Recommended concentration 0.1-20%

Applications

- Clear systems (Micellar waters, Tonics, Hydrophilic gels)
- Skin care
- Hair care
- Baby care
- Shampoos
- Body wash



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Liceryl™ & Eceryl™

A functional approach to reduce skin irritation and protect skin barrier function

Liceryl™-12 and **Eceryl™-12** are PEG-esters derived from linoleic and erucic fatty acids, respectively, and act as co-surfactants with emollient and solubilizing properties. They combine with surfactant micelles increasing their diameter to exceed that of the epidermal water channels. This action reduces skin erythema and barrier function disruption caused by surfactant penetration in the skin. **Liceryl™-12** and **Eceryl™-12** are synthesized with glycerin; an endogenous component of the skin known for its humectant properties. Linoleic acid is an unsaturated omega-6 fatty acid (18:2 ω-6) and prevalent in soybean oil (*Glycine max*). Erucic acid is a monounsaturated omega-9 fatty acid (22:1 ω-9) found in rapeseed oil (*Brassica napus*).

Technical information

- **INCI Liceryl™-12:** Glyceryl Linoleate, PEG-12 Oleate
- **INCI Eceryl™-12:** Glyceryl Erucate, PEG-12 Oleate
- Soluble in water
- Dispersible in oils
- Solubilizing properties for fragrances and essential oils
- Recommended use level: 1-10%

Efficacy

- Increase the average diameter of SDS-micelles
- Prevent SDS-induced damages to the barrier function
- Reduce SDS-induced skin erythema

Applications

- Facial cleansers
- Body wash
- Shampoos
- Make-up removers
- Baby care
- Sensitive skin treatments

Formulation applications		Liceryl™-12	Eceryl™-12	Functions
Toiletries	Shampoos	+++	+++	Co-surfactants, Aesthetic Foam Improvers, Emollients, Anti-irritant
	Body wash toiletries	+++	+++	
Clear Systems	Clear toner lotions	+++	+	Emollient Agents in hydrophilic systems and Solubility Promoters
	Make up remover	+++	+	
	Clear Gel	+++	+	
Emulsions	Hair conditioners and masks	++	+++	Emollient Agents, Co-emulsifiers and Cleansing Agents
	Body lotions and creams	++	+++	
	Cleansing creams	++	+++	

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