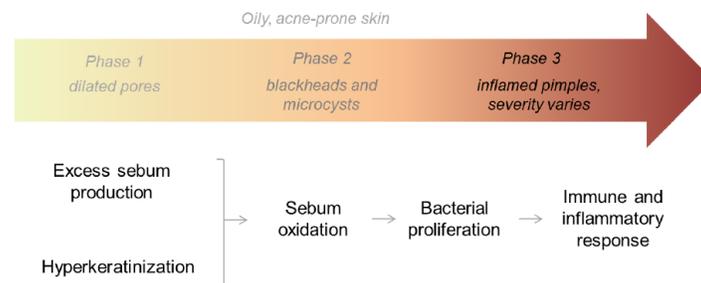


Stem Cell Sebox Sebum Control → Prevention / Treatment

We need water and oil to keep our skin healthy. However, oily skin is excessively shiny and will block the root sheath, causing the pore to dilate. If we didn't take care of the sebum control in our skin, the sebum accumulate underneath the skin will blocked clogged pores and become filled with bacterial and dead skin cells, resulting in skin problems – blackhead/comedo, acne-prone skin, inflammation causes pimples and so on.

The biological mechanisms known to contribute to blemishes are excess sebum production hyperkeratinization in the hair follicle, sebum oxidation, bacterial proliferation, and immune and inflammatory responses.

Biological mechanisms involved in the appearance of blemishes:



How they treat the oily skin and the appearance of imperfections?

- By limiting hyperkeratinization in the hair follicle
- By regulating sebum production
- By delivering anti-oxidants locally and boosting the skin's natural anti-oxidant defenses
- By regulating bacterial proliferation and stimulating the antimicrobial peptides
- By preventing local inflammation and regulating systemic inflammation

Constantly washing your face will not help to get rid of your shiny skin. You need a product which effectively helps you to keep your skin clean and clear from oily skin. Here, we are introducing you a specially designed non greasy *Intensive Serum(Sebum Control)*, which effectively offers a new possibility for treating oily or acne-prone skin.

The key active ingredient is derived from the combination of two super-leaves that contains tannins to protect oily and acne-prone skin. This environmentally responsible ingredient helps to reduce inflammation by limiting sebum oxidation and thus control sebum production. This serum is an idea daily touch to keep your pores clean and clear. The skin is less oily, resulting in skin that appears fresher, smoother and more radiant.

Directions

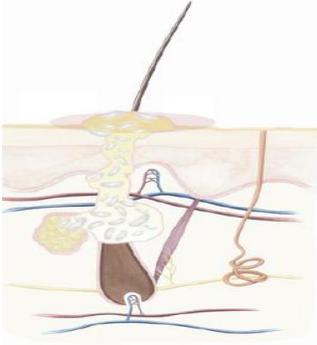
After cleansing and toning, dab a small amount onto face and apply gently and evenly to the entire desired areas. For external use only.

The active ingredients contain in the formulation:

1. **INCI Name : Propanediol/Water/Rhamnose/Glucose/Glucuronic Acid**
➔ Prevent the bacterial-epidermal cell interaction
2. **Glycerin/Ribes Nigrum(Black Currant)Leaf Extract/Rubus Idaeus (Raspberry) Leaf Extract**
➔ Prevent the bacterial-epidermal cell interaction
3. **Silanediol Salicylate/Humulus Lupulus/Extract/Cucumis Sativus(Cucumber) Fruit Extract/Aloe Barbadensis Leaf Extract/Saponaria Officinalis Extract/Chamomilla Recutita (Matricaria)Extract/Asparagopsis Armata Extract/Hydrolyzed Elastin/Hydrolyzed Collagen/Lavendula Angustifolia (Lavender) Oil/PEG-35 Castor Oil/Sodium Lauroyl Sarcosinate/Propylene Glycol/Water**
➔ Anti-acne/problem skin
4. **Octyldodecanol (and) Echium Plantagineum Seed Oil (and) Helianthus Annuus Seed Oil Unsaponifiables (and) Cardiospermum Halicacabum Flower/Leaf/Vine Extract**
➔ Skin normaliser (Anti-inflammatory/Anti-irritation)
5. **INCI Name : Symphytum Officinale Root Cell Extract /Isomalt /Lecithin**
➔ Speed up your skin renewal through stem cell activation
 - ✓ Soothing & protecting
 - ✓ Soothes acne skin
 - ✓ Control sebum production
 - ✓ Skin is less oily
 - ✓ Treatment for acne/problem skin

Our formulation contains:

NO preservative added
NO mineral oil
NO lanolin
NO comedogenic ingredients
NO animal derived ingredients
NO colorant
NO petrolchemicals

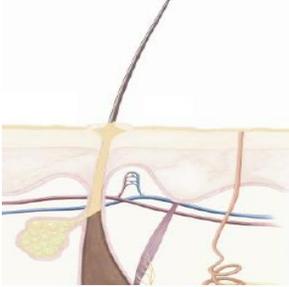


Normal Skin

The hydrolipidic film maintains the pH of the skin at approximately 5.5; the Ecoflora helps to keep it acidic

The hydrolipidic film develops at puberty and during certain phases of adult life, under the influence of hormones, and takes the form of hyperseborrhea.

With age, the pH of the skin returns to neutral, and its defensive system weakens. The skin becomes more vulnerable to bacterial attack.

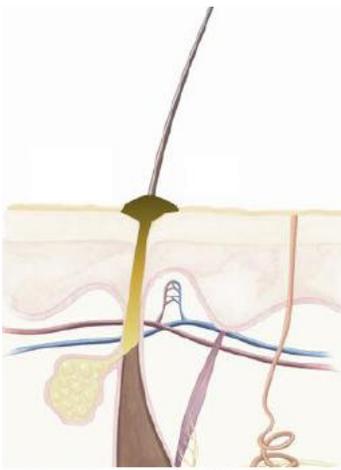


Phase 1 : Hyperseborrhea causes oily skin

Too much sebum is produced, or it is too viscous.

It combines with dead skin cells or corneocytes, which are terminally differentiated and difficult to eliminate.

This combination blocks the root sheath, causing the pore to dilate.



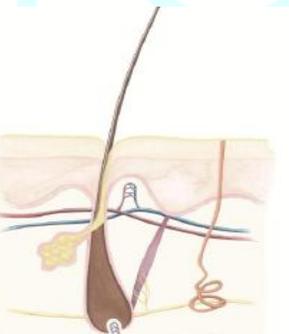
Phase 2 : Cystic acne results in blackheads

Blackhead or comedo : a mix of sebum and black cells, caused by sebum oxidation that facilitates the development of propionibacterium acnes.

Hyperkeratinization and the presence of a lipidic substrate stagnating in the root sheath create the perfect conditions for this bacterium to proliferate.

Untreated, a comedo can develop to the inflamed stage

Whitehead or microcyst : the sebaceous channel is obstructed by epidermal cells. Sebum and keratin accumulate underneath the obstruction, causing the skin to bulge out and a white spot to appear in the middle



Phase 3 : Inflammation causes pimples

The pimple is characterized by a painful red raised area characteristic of serious inflammation. It may contain pus, which is the sign of a secondary bacterial infection. Depending on the degree of infection and inflammation, and the mode of discharge of the accumulated liquid, pimples range in severity, may be fast and easy to treat or the opposite, and may leave varying degrees of scarring

Active Ingredient 1:

INCI Name : Propanediol/Water/Rhamnose/Glucose/Glucuronic Acid

Microbial adhesion and the inflammatory process are involved in 3 major skin problems, namely :

1. The development of unpleasant odors
2. The onset and/or aggravation of blemishes and acne
3. The onset and/or aggravation of atopic dermatitis in predisposed subject

Given the fact that the adhesion of microbial agents to the skin and the modulation of inflammatory processes are influenced by sugars, it is relevant to use active substance containing sugar in cosmetics in order to regulate these phenomena. The idea to create for the skin a natural glucidic coating with anti-adhesion and anti-inflammatory properties was then born and it is also a particular affinity to the skin. Rhamnose interact with keratinocytes receptors which have a specific affinity for this sugar, and moreover allows the modulation of inflammatory response.

How it works?

It is a branching polysaccharide which is capable of forming a coating on the surface of the skin to make it difficult for bacterial-epidermal cell interaction and therefore adhesion phenomena to occur. As a coating, this polysaccharide is added to the natural Ecoflora and represents an additional defensive barrier against micro-organism for healthy/delicate skin. It does not replace the natural anti-microbial defence mechanism that are already at work within the skin. It is essentially a preventive measure and can alleviate signs of discomfort and stop already existing problems from becoming worse. It Neutralizes odor causing bacteria, while preserving beneficial skin flora



- ✓ Prevents the adhesion of undesirable and/or pathogenic bacteria
- ✓ Modulates the inflammatory response
- ✓ Prevent the onset of itching sensations and sensitivity
- ✓ Soothing effect

Active Ingredient 2:

INCI Name : Glycerin/Ribes Nigrum (Blackcurrant) Leaf Extract/Rubus Idaeus (Rasperry) Leaf Extract



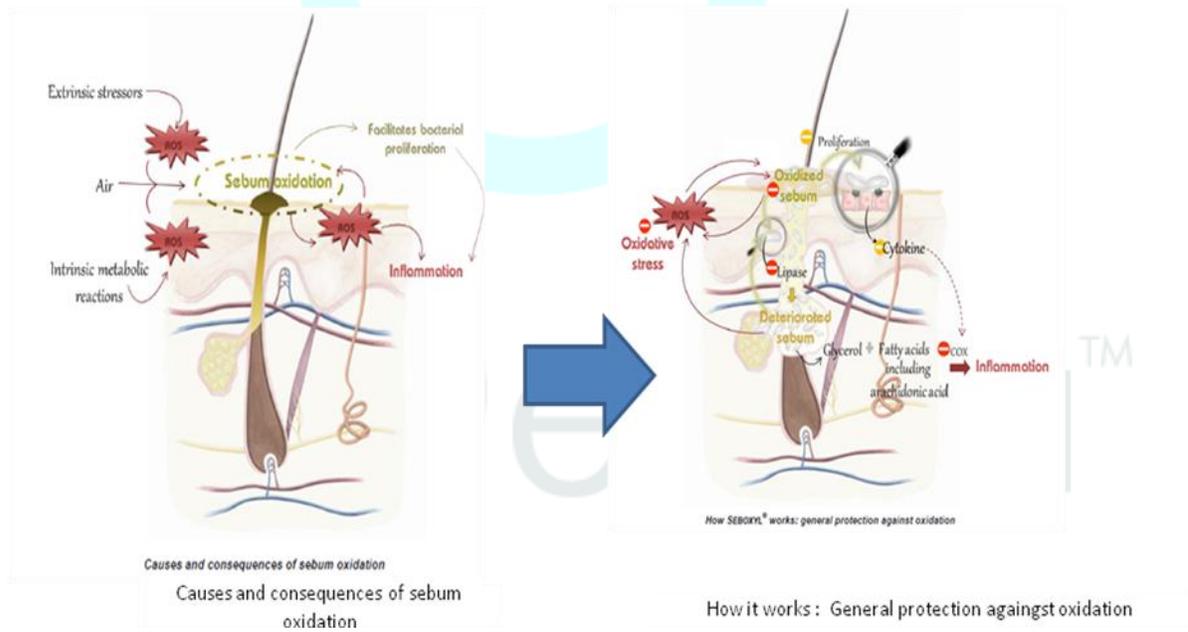
: Sebum oxidation prevention for oily or acne-prone skin (control sebum production while limiting its oxidation.)

Of all the plants, leaves from blackcurrant(ribes nigrum) and rasperry (Rubus Idaeus) contain condensed tanninc (OPC) and hydrolysable tannins.

Blackcurrant leave : contain condensed tannins, including proanthocyanidins or OPC : these are largely 3 prodelphinidines, procyanidine and proanthocyanide

Rasperry leave : contain ellagic hydrolysable tannins such as lambertianin C and D, ellagic acid, and sanguin H-6

Tannins are well known for their anti-oxidant, anti-septic, anti-bacterial and anti-inflammatory properties. They can trap free radicals or deactivate pro-oxidant ions. Certain OPC inhibit lipidic peroxidation and modulate the activity of enzymes, including inhibiting phospholipase 2, cyclooxygenase, and lipoxygenase.



- Prevents oxidation in general
- Protect the squalene, wax and fatty acids against sebum oxidation
- Block lipase to prevent and alleviate inflammation
- Modulates the inflammatory response by inhibiting COX-1

Active Ingredient 3:

INCI Name : Silanediol Salicylate/Humulus Lupulus (hops) Extract/Cucumis Sativus(Cucumber) Fruit Extract/Aloe Barbadensis Leaf Extract/Saponaria Officinalis Extract/Chamomilla Recutita (Matricaria)Extract/Asparagopsis Armata Extract/Hydrolyzed Elastin/Hydrolyzed Collagen/Lavendula Angustifolia (Lavender) Oil/PEG-35 Castor Oil/Sodium Lauroyl Sarcosinate/Propylene Glycol /Water

The anti-inflammatory properties of D.S.B.C (Silanediol Salicylate) help to soothe the permanent inflammation of skin with acne.

The essential oil of lavender : dissolves sebum in comedos while slowing down the proliferation of bacteria. When it associated with Extrait HG Aloes Enrichi/APC has a bactericidal activity against the germs responsible for acne

Extrait HG Houblon (hops) and the Phyto-unsaponifiables, with their hormone-like activity, regulate/slow down the sebaceous secretions.

Extrait HG Saponaire (red soapwort), rich in saponins, has a gentle cleansing effect on the tissue

Marine Elastine avoids the genesis of permanent scars. It stimulates the reorganization of new skin fibres during healing, to avoid lasting scars.

This active ingredient treats the 3 major results of acne:

- ✓ Hyperkeratinization through its keratolytic action, thus normalizing keratinocyte metabolism
- ✓ Hyperseborrhea, by slowing down its secretion and dissolving sebum
- ✓ Inflammation, both by means of an anti-inflammatory agent, and by reducing the proliferation of bacteria



Active Ingredient 4:**INCI Name : Octyldodecanol (and) Echium Plantagineum Seed Oil (and) Helianthus Annuus Seed Oil Unsaponifiables (and) Cardiospermum Halicacabum Flower/Leaf/Vine Extract**

Your skin is your body's first line of defense against the elements. There is lot of external factors causing sensitive skin such as dryness, climate, UV radiations etc and lead to itching, scratching and skin inflammation. This balanced complex of active substances is not only help to protect our skin barrier but also it has anti-inflammatory effect. It improves the skin's moisture and has a positive and regenerative effect.

*Cardiospermum Halicacabum*

Cardiospermum is a climbing plant which originally stems from the tropics. In pharmacy it is well known to be effective against itching and allergic skin rashes. It harmonises and protects irritated skin.

*Echium Oil – Cold Pressed Power Oil*

The Oil is extracted from the seeds by cold pressing. Echium oil is very rich in stearidonic acid, an essential Omega-3 fatty acid which is not only known for its anti-inflammatory properties, but also protects and strengthens the skin barrier.

*Unsaponifiable elements of the sunflower*

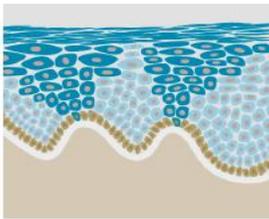
The unsaponifiable elements of the sunflower oil provide valuable nutritional elements such as phytosterols, tocopherols and squalene. This composition has a particularly soothing effect on the skin and importance in the regeneration and care of the skin.

Active Ingredient 5:**INCI Name : Symphytum Officinale Root Cell Extract /Isomalt /Lecithin**

- ➔ Speed up your skin renewal through stem cell activation
- ➔ Plant stem cells to protect skin stem cells

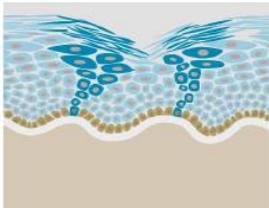


It is obtained from Comfrey *Symphytum Officinale* L. Comfrey used since ancient times. It is one of the oldest known medicinal plants. It speeds up the healing of injuries thanks to its capacity to stimulate cell proliferation and thus promote tissue formation.

Target skin layer : Epidermis layer**Young Skin**

Epidermal stem cells replace aged and damaged skin cells

- ➔ Efficient barrier function
- ➔ Smooth skin

**Aged Skin**

The regenerative capacity of stem/progenitor cells is reduced

- ➔ Epidermal turnover rate decreases
- ➔ Thinner epidermis
- ➔ Dry, rough and dull skin

Symphytum Stem Cell Extract helps :

- 1. Activation of the regenerative capacity of epidermal stem cells**
: Restore the proliferation capacity of epidermal stem cells in a pro-aging medium
- 2. Reduction of the age-related thinning epidermis**
: Formed a thicker and more differentiated epidermis with higher hyaluronic acid content
- 3. Increase in epidermal turnover**
: Reduction of skin renewal time
- 4. Smoothing effect**
: Significant increase in skin smoothness

PRESERVATIVE FREE SYSTEM

INCI Name : Methylpropanediol (and) Caprylyl Glycol (and) Phenyl Propanol

Why we need preservative in our product :

- ❖ Extend product lifespan
- ❖ Prevent Microbial Growth
- ❖ Preserve the quality of the product

Conventional Preservative System :

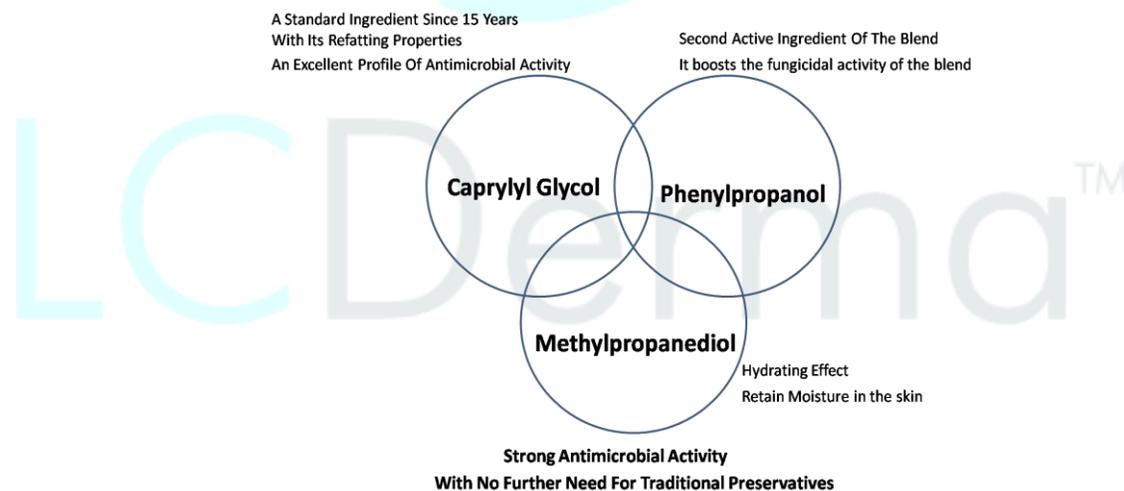
**Prabens,Phenoxyethanol,Methylchloroisothiazolinone/Mehtylisothiazolinone/
Formaldehyde based preservative eg. DMDM Hyantoin, Quaternium-15**

Preservatives in skincare product used in minuscule quantities to extend the life of a product; but some consumers are sensitive to them that a very small amount ends up causing some very big skin problems, especially with repeated applications.

They may have skin reactions and allergies to preservative, causing skin irritations, allergic skin reaction and skin sensitization.

Here, we introduce a series of skincare product which is formulated with preservative free system.

What is the preservative system we used ?



- ✓Reliable Paraben Free Preservation
- ✓An alternative to conventional preservative system
- ✓Effectively protect the product against microbiological spoilage
- ✓Provide reliable efficacy with a low level of surface active : reduce irritations/stinging potential
- ✓While preserve the product, it increase the moisture level in the skin.