



GloryDermal



Glorydermal[®] SensiBeWell

A sense of well-being for sensitive skin

Introduction – Sensitive skin

Sensitive skin is a **constantly increasing phenomenon** that affects many people, respectively numerous persons experience their skin as being sensitive. Sensitive skin is **not a clearly defined skin type**, because sensitive skin shows itself through a **variety of phenotypes**, so that in principle all skin types can be affected. Causes and tendencies for sensitive skin are very individual and can have a complex context. Often a combination of **external and internal influences** is responsible.

A central characteristic of sensitive skin is its **impact on the quality of life**, which can be restricted to varying degrees. The spectrum ranges from **dryness and feelings of discomfort** to **itching, couperosis/rosacea** or **neurodermatitis (atopic dermatitis)**.

Problems of sensitive skin: inflammatory processes, weak skin barrier and weaknesses in tissue repair as well as in cell migration and cell adhesion.



Couperosis/Rosacea



Neurodermatitis

Therefore, **special requirements** are demanded of **active ingredients** for sensitive skin:

*They should be effective,
but not further unbalance or irritate the skin.*

Fragrances should also be **considered particularly critically** in this regard, as they often have a negative effect on sensitive skin and can increase undesirable conditions. Thus, affected persons often switch to **odourless products**, which, however, leads to a **loss of sensory experience** and thereby also a **feeling of care that is often associated with it**.

For this growing and at the same time demanding need,
Glorydermal® SensiBeWell offers the ideal solution.



Active description – Rock Rose and Swiss Stone Pine oil

Glorydermal® SensiBeWell

contains a finely balanced **blend of Rock Rose and Swiss Stone Pine oils**. These two oils have been known and valued as **essential oils** for their positive and fragrant properties for a very long time. In skin care products they also provide **care** and **relief** for sensitive skin but **without sacrificing a pleasant fragrance**.



Flower of the Lacquer Rock Rose (Cistus ladanifer)

Two powerful plants of
European origin

*Branch of the Swiss Stone Pine with
characteristic purple cone ("stone pine nut")*





Active description – Rock Rose oil



The Rock Rose

- **Approx. 20 species, all native to the Mediterranean region** and the Canary Islands, growing as evergreen, strongly branched shrubs.
- They have been used in **traditional medicine** for thousands of years.
- The Rock Rose prefers sandy places in full sun and does not need many nutrients.

Some species produce an **oily resin (ladanum or labdanum resin)** in their twigs and leaves, which is released in summer by exposure to sunrays and spreads a wonderful fragrance. This resin is already described in the Bible (**biblical myrrh**, today extracted from the "myrrh bush", **anti-inflammatory effect**) and was a **meaningful incense** in ancient times. It is also effective against bacteria, viruses and fungi.

Today ladanum is mostly extracted from the **Lacquer Rock Rose** (*Cistus ladanifer*) because it produces significantly more resin than other species.



Flower of the Lacquer Rock Rose



Active description – Rock Rose oil

Anti-inflammatory effect as a key element

Numerous symptoms of sensitive skin are due to **inflammatory processes**. **Oil-soluble components** of Rock Rose offer effective ingredients for this purpose. In contrast to many Rock Rose extracts, which contain its water-soluble components, the oil-soluble extract is used specifically for **Glorydermal® SensiBeWell**. This also closes the circle to the anti-inflammatory effect of **myrrh**, which has been known for thousands of years.

Inflammatory processes play a crucial role especially in **couperosis/rosacea** and **neurodermatitis**. This is accompanied by a **weakened skin barrier**, resulting in **dryness** and thus a negative spiral leading to a worsening of the respective skin condition.



Flower of the Lacquer Rock Rose



Active description – Rock Rose oil

Gene expression (gene chip analysis)

Gene	Description/Effect	Regulation
IL33 (Interleukin 33)	Pro-inflammatory cytokine	↓ down
DAPL1 (Death Associated Protein-Like 1)	Apoptosis	↓ down
FN1 (Fibronectin 1)	Encodes the structure-strengthening fibronectin	up ↑
GJB2 (Gap Junction protein, Beta 2)	Strengthens cell-cell connection	up ↑
IFIT1 + IFIT3 (Interferon-Induced protein with Tetratricopeptide repeats 1 + 3)	Antiviral effect	up ↑
DEFB103B (Defensin, Beta 103B)	Antimicrobial effect	up ↑

For sensitive skin this provides the following positive effects:

- **Anti-inflammatory effect**
- **Strengthening of the skin barrier**



Flower of the Lacquer Rock Rose



Active description – Swiss Stone Pine oil



The Swiss Stone Pine (*Pinus cembra*)

- Its native habitat is mainly in the **Alps** but also in the Carpathians.
- The wood of the Swiss Stone Pine has a typical, very **aromatic scent** and is used in a long tradition as **furniture** and **ornamental wood**.
- The **cones** ("Swiss Stone Pine nut") and seeds are processed into food and specialities such as the traditional **Swiss Stone Pine liqueur**.
- The wood has special repellent properties against **bacteria, fungi and other pathogens** and is popular for use in **contact with food** (cutting boards) due to its antibacterial properties.
- The oil of the Swiss stone pine is used as an **anti-moth treatment** and is valued as an **essential oil** in **wellness** and **sleep therapies**.



Active description – Swiss Stone Pine oil



Gene expression (gene chip analysis)

Gene	Description/Effect	Regulation
CYR61 (Cysteine-Rich angiogenic inducer 61)	pro-inflammatory	down ↓
WISP2 (WNT1 Inducible Signalling Pathway protein 2)	tissue-regenerating	up ↑

For sensitive skin this results - as with Rock Rose oil - in the following positive effects:

- **Anti-inflammatory effect**
- **Strengthening of the skin barrier**

Like Rock Rose oil, Swiss Stone Pine oil also has an antiviral and antimicrobial effect.



Efficacy (in vivo): Clinical dermatological application study

Test design: Double-blind, placebo-controlled

Placebo: Simple basic emulsion

Verum: Simple basic emulsion + 1% Glorydermal® SensiBeWell

Panel: 20 female volunteers with couperosis/rosacea

Application duration: 4 weeks

Application frequency: 2x daily

Test area: Affected skin areas

Methods: Measurement of various parameters (dermatological control)





Efficacy (in vivo): Clinical dermatological application study

Couperosis/Rosacea

Application duration: 4 weeks

Parameters of digital photographs VISIA® System	Ø Verum	Ø Placebo	Δ Verum/Placebo
Wrinkels	-19,1%	-10,7%	-8,4%P
Redness	-4,0%	-2,5%	-1,5%P
Spots	-2,3%	-1,4%	-0,9%P



Skin tolerance (in vivo): Clinical dermatological application study

Panel: 40 female volunteers
Skin type: **Couperosis/Rosacea, Atopic dermatitis and Psoriasis**
Application duration: 4 weeks
Application frequency: 2x daily
Test area: Affected skin areas
Product: Simple basic emulsion with 1% Glorydermal® SensiBeWell

Dermatological assessment and volunteer survey



Skin tolerance
clinically tested

Excellent skin tolerance



Well-being that you can smell...



Rock Rose Oil

For centuries known and appreciated **essential oil**, established in aroma and wellness therapy.

Its **warm, balsamic scent** has a **calming** and **balancing effect**. It can help to **release tension** and **relieve stress**.

Swiss Stone Pine Oil

Complements rock rose oil in its **relaxing** and **stress-relieving properties**.

With its **woody-warm, revitalising scent**, it is very popular in **wellness treatments** and **beds** made of Swiss Stone Pine can provide a **more restful sleep**.



The combination of these two exquisite fragrances in **Glorydermal® SensiBeWell** gives this active ingredient its **unique scent**, which can have a positive effect on sensitive, irritated and stressed skin.

Cosmetic products with **Glorydermal® SensiBeWell** thus not only offer a **fragrance experience**, but rather a **holistic approach** to bringing **sensitive skin back into balance**.



Glorydermal® SensiBeWell

INCI EU (CTFA/PCPC):

SIMMONDSIA CHINENSIS (JOJOBA) SEED OIL, CISTUS LADANIFERUS (LABDANUM) TWIG OIL, PINUS CEMBRA LEAF/TWIG OIL.

ADDITIVES, PRESERVATIVES:

NONE.

ADDITIONAL LABELLING REQUIREMENTS:

LIMONENE*, LINALOOL*, EUGENOL*, GERANIOL*.

*from natural essential oils

Appearance: yellowish , clear liquid

Solubility: soluble in oils/lipophilic media

Odour: characteristic (essential oils, perceptible in the finished product).

Recommended dosage: 1%

Formulation: at the end of the production process at a temperature < 40°C



VEGAN



ISO 16128



ISO 16128



ISO 16128



ISO 16128



Summary – PROTECTIVE BEAUTY



- Sensitive skin is a **constantly increasing phenomenon** that **restricts the quality of life**. Affected people complain of **dryness and feelings of discomfort**, even **couperosis/rosacea** or **neurodermatitis**.
- **Inflammatory processes** and a **weakened skin barrier** often play a key role.
- **High demands** are therefore expected of **active ingredients** for sensitive skin, which **Glorydermal® SensiBeWell** ideally fulfils and also offers a **pleasant fragrance** (perceptible in the finished product).
- **Oil-soluble active** from **Rock Rose** and **Swiss Stone Pine oil**.
- **Easy handling** in the production of cosmetic products (addition at the end of the production process, cooled bulk).



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