

Sweet Almond Oil with essential fatty acids
(> 20 % linoleic acid)

- Supports the skin's own lipid synthesis
(ceramide 1 contains linoleic acid, e.g.; it enhances the effect of evening primrose oil)
- Improves the skin's plasticity
- Excellent penetration
- Strengthens the skin barrier
- Soothes and protects the skin

Active Agents Soothing the Skin

- with anti-inflammatory and regenerative effects -

- Natural **alpha-bisabolol** from plant extracts
- **Allantoin** has a epithelializing effect in rough, chapped skin and supports a faster healing of minor skin injuries (lesions caused by scratching, e.g.)
- Organically grown **St. John's wort extract** (CREAM and LOTION): This particular extract is rich in bioflavonoids. This class of substances is anti-inflammatory, reduces itching, and protects the skin by preventing free radical damage



Echium Oil FACIAL CREAM

- Is obtained by cold pressing of the seeds of *Echium plantagineum* (Blue Bedder).
- It is particularly high in essential polyunsaturated **omega 3** and **omega 6** fatty acids.
- Stearidonic acid (omega 3) is particularly efficient in inhibiting 5-lipoxygenase and thereby the pro-inflammatory mechanism, supports the skin's own anti-inflammatory process → **protective and anti-inflammatory effect**



Blühende Echium Plantagineum

Skin Soothing Agents

- with anti-inflammatory and regenerative effects -

Cardiospermum extract = balloon vine seed extract = heart seed extract
(INCI: Cardiospermum halicacabum)

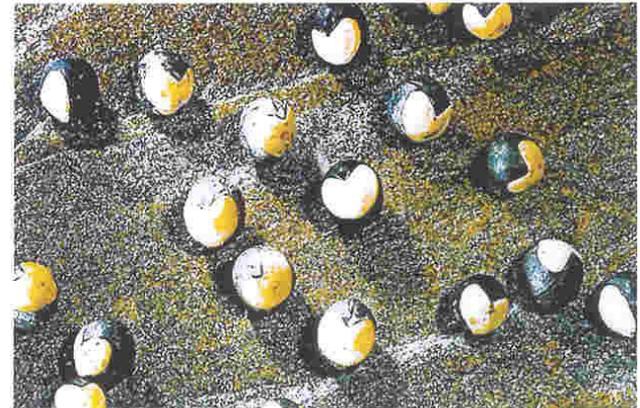
Special active ingredient of the FACIAL CREAM

- Against itchy, allergic eczema (pharmaceutical preparations), soothes and harmonizes irritated skin

**Tropical vine,
black seeds with
a white heart**



Pflanze von Cardiospermum Halicacabum



Samen von Cardiospermum Halicacabum

Allantoin

(see for example Fiedler, Dictionary of Pharmaceutical Excipients, Cosmetics...
5th Ed. 2002; Lebensmittelchemische Gesellschaft / Fachgruppe in der
Gesellschaft Deutscher Chemiker (GDCH))

- Enhances epithelial formation / Has an epithelializing effect in rough, chapped skin (supports the healing process).
- Strengthens the resistance of the skin
- Makes the skin smooth and supple (keratoplastic properties)
- Has anti-inflammatory properties

Comment:

A product of protein metabolism in mammals and plants. Chemical synthesis by oxidation of uric acid with permanganate; heating of uric acid with dichloroacetic acid; out of glycolic acid and urea

The Vitamins

- with protective and regenerative effects-

- Vitamin E
- Dexpanthenol (D-panthenol, provitamin B5)

Improve the skin's moisture retention, help to promote the skin's natural regenerative process and to improve its structure.

Vitamin E also acts as a free radical scavenger, thereby preventing damage to the skin and reduces inflammatory reactions.

Special Moisture Retention Agents

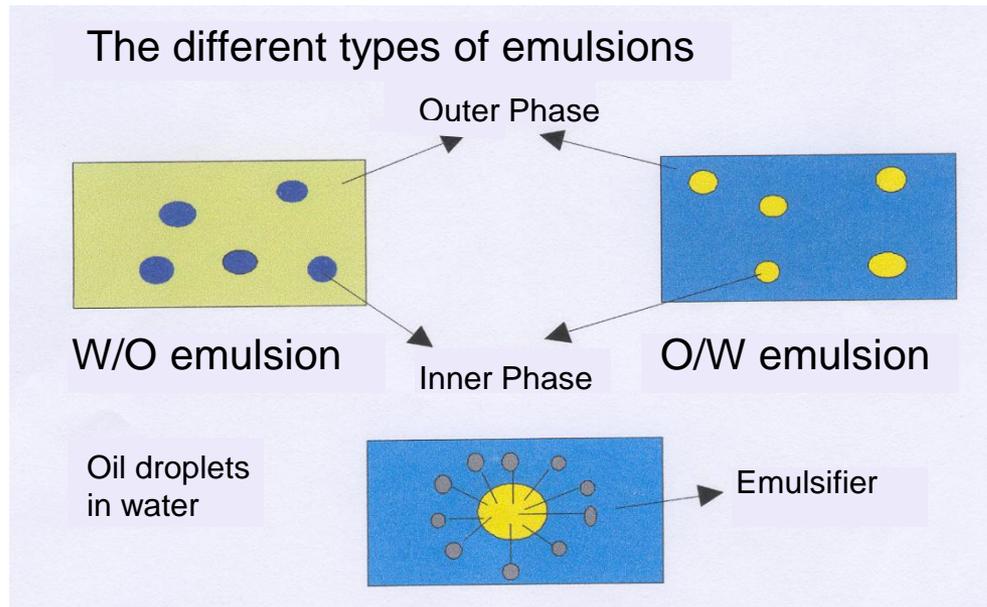
- **Betaine (trimethylglycin)**, a multi-active agent extracted from sugar beets, binds moisture, makes the skin smooth and improves the skin structure (LOTION).
- **Urea** (CREAM 0,25 %) binds moisture
- **Glycerol** has a high water binding capacity and retains moisture predominantly inside the interstices between cells. Glycerol makes the skin smooth and improves its elasticity, recommended for the skin care of babies and infants.

EUBOS DRY SKIN CHILDREN

HAUT RUHE: The products – Emulsion type

- CREAM with 10 % evening primrose oil (W/O = water in oil)
+ St. John's wort extract
- LOTION with 6 % evening primrose oil (O/W = oil in water)
+ St. John's wort extract
- FACIAL CREAM with 6 % evening primrose oil (O/W = oil in water)
+ Echium oil and Cardiospermum extract
- With Bisabolol and Allantoin to soothe the skin and to alleviate irritation
- With Vitamins, natural oils, and moisture-retaining components to strengthen the skin's barrier and protective function.

The Emulsion Type: W/O (water in oil) — O/W (oil in water)



W/O emulsions provide more fat than O/W emulsions. In dermatology, they are preferred for very dry, stressed skin areas.

For whole body skin care of infants, the O/W type is usually preferred (faster absorption / non-occlusive).

Based on its emulsion type, HAUT RUHE CREAM is particularly suitable for the intensive care of extremely dry problem areas.

HAUT RUHE LOTION is generally suitable for the daily whole body skin care of sensitive and dry skin. It is well absorbed and allows the skin to breathe.

HAUT RUHE FACIAL CREAM serves as a protective anti-irritant care product for the daily use on sensitive facial skin. It is particularly well absorbed.

HAUT RUHE CREAM

10 % Evening Primrose Oil and St. John's Wort Extract

Rich intensive care (water in oil emulsion, W/O)
for very dry, rough skin areas

Additional active agents:

- Natural alpha-bisabolol
- Allantoin
- Provitamin B 5 (Dexpanthenol)
- Vitamin E
- Glycerol (5 %) and Urea (0,25 %) for an enhanced hydrating effect and smooth skin.

HAUT RUHE LOTION

6 % Evening Primrose Oil and St. John's Wort Extract

Easily spreadable and well-absorbable basic care (oil in water emulsion, O/W) for daily body skin care.

Additional active agents:

- Sweet Almond Oil and Jojoba Oil
- Shéa Butter (Beurre de Karité)
- Natural Alpha-Bisabolol
- Allantoin
- Provitamin B 5 (Dexpanthenol)
- Glycerol (5 %) and natural betaine extracted from sugar beet for an enhanced hydrating effect and smooth skin.

HAUT RUHE FACIAL CREAM

6 % Evening Primrose Oil, Echium Oil (Omega 6, Vegetal Omega 3 Lipids) and Cardiospermum Extract

Easily spreadable and well-absorbable facial care (oil in water emulsion, O/W).

Additional active agents:

- Sweet Almond Oil and Jojoba Oil, Phytosterols from Sunflower Oil
- Shéa Butter (Beurre de Karité)
- Natural Alpha-Bisabolol
- Allantoin
- Provitamin B 5 (Dexpanthenol)
- Glycerol (5 %) and natural betaine extracted from sugar beet for an enhanced hydrating effect and smooth skin.

Special Skin Soothing Active Agents of the FACIAL CREAM (Overview)

- Extract from **Cardiospermum halicacabum (balloon vine) = Cardiospermum extract**: Dermatological use against itching and allergic eczema; effect based on phytosterols; free radical scavenger and antioxidant protective effect due to pentacyclic terpene derivatives
- **Echium Oil**, richest natural source of stearidonic acid (omega 3 fatty acid); anti-inflammatory and protective effect, supports the treatment of eczema and psoriasis
- **Phytosterols, unsaponifiable components of Sunflower Oil** have a stabilizing and regenerative effect on the skin – enhancing its barrier function

EUBOS HAUT RUHE CREAM, LOTION and FACIAL CREAM

For excellent compatibility:

- without perfume
- without colorants
- without lanolin
- without cetearyl alcohol
- without PEG derivatives
- without preservatives
-and without mineral oils (paraffins) and paraffin waxes



EUBOS HAUT RUHE CREAM and LOTION

Compatibility tests:

1. Patch test in humans: 50 subjects

(23 - 60 years; 40 % sensitive skin, 14 % atopic/allergic subjects)

Undiluted application under occlusion on the back for 48 h. Examined for irritation after 48 h (30 min after removal of occlusion) and after 72 h (control: 1 % SDS solution).

Results: No signs of irritation. Based on the test results and the selected testing procedure, the products can be considered safe with respect to potential skin irritating effects.

EUBOS HAUT RUHE CREAM and LOTION

Compatibility tests:

2. Ophthalmological test

Controlled application test supervised by ophthalmologists

30 subjects each; cream: 20 - 63 years, 9 of which wear contact lenses;
lotion: 22 - 60 years, 8 of which wear contact lenses

Application in the area of the eyes for 14 days, once daily;

Ophthalmological examination at baseline and after 14 days;

Examination of the outer area of the eyes, as well as of the back of the eye with a split lamp microscope.

EUBOS HAUT RUHE CREAM and LOTION

Subjective evaluation of HAUT RUHE CREAM and LOTION:

Tolerated „very well + well“:	100 %
Would use cream again:	74 %

EUBOS HAUT RUHE FACIAL CREAM

Compatibility tests:

Simulation of highly sensitive skin by attaching sticky film and tearing it off:

1. Patch test in humans: 50 subjects

(22 - 58 years; 34 % sensitive skin, 18 % atopic/allergic)

Undiluted application under occlusion on the back for 48 h.

Examined for irritation after 48 h (30 min after removal of occlusion) and after 72 h (control: 1 % SDS solution).

Results: No signs of irritation. Based on the test results and the selected testing procedure, the product can be considered safe with respect to potential skin irritating effects.

EUBOS HAUT RUHE FACIAL CREAM

Compatibility tests:

2. Ophthalmological test

Controlled application test supervised by ophthalmologists

20 subjects; 21 - 42 years, 5 of which wear contact lenses

Application in the area of the eyes for 14 days, once daily;

Ophthalmological examination at baseline and after 14 days;

Examination of the outer area of the eyes, as well as of the back of the eye with a split lamp microscope.

Controlled Application Test

Supervised by Ophthalmologists

Results

- The products received very positive evaluations from all subjects
- Not a single intolerance reaction (reddening, burning, and tearing) was reported
- The ophthalmological examination yielded no objectively recognizable signs of irritation
- The examination of the back of the eyes with the split lamp microscope showed no evidence of inflammatory reactions

The products **EUBOS HAUT RUHE CREAM, LOTION and FACIAL CREAM** are tolerated extremely well and are highly safe –
 even in the very sensitive eye area