

CLR Formulation Concepts

After Shave Soothing Fluid OW

This light fluid relieves from skin irritations caused by shaving. The after-shave fluid for normal to combination skin reduces sebum production, soothes the skin after shaving and prevents inflammation.

CutiBiome CLR™ calibrates the skin's ecosystem and regenerates skin. It effectively and perceptively reduces sebum, papules, pustules and comedones for a pure complexion.

AnnonaSense CLR™ supports the delicate skin in regaining its homeostatic balance, making skin less sensitive.

PhytoDefense CLR™ reduces skin redness and skin irritations such as burning, stinging, itching sensations.

Directions for use:

Apply after shaving and for your daily skin care.



Featured Products

CutiBiome CLR™ – Calibrating the skin's ecosystem



CutiBiome CLR™ is a synergistic complex of lipophilic extracts from manuka, black pepper and magnolia. It provides essential support for the natural balance between skin and its microbiota in difficult situations, like acne and dandruff.

CutiBiome CLR™ reduces the film forming activity and significantly inhibits the growth of virulent phylotypes of *Cutibacterium acnes*. *In vitro* and *in vivo* studies show that it strongly reduces inflammation involved in acne and dandruff. On people suffering from acne, the use of CutiBiome CLR™ leads to a dramatic and perceptible reduction of sebum production, comedones, pustules and pimples.

Dosage: 1.5–3.0%
pH range: 4.0–7.0

INCI Name:
Octyldodecanol, Leptospermum Scoparium Branch/Leaf Oil, Piper Nigrum Seed Extract, Magnolia Officinalis Bark Extract

CutiBiome CLR™ is unpreserved.

AnnonaSense CLR™ – Adaptogenic approach for skin health



AnnonaSense CLR™ provides the skin with means to establish a sustainable homeostatic balance, improving skin health and well-being. The potent adaptogenic action of AnnonaSense CLR™ supports the skin's endocannabinoid system by activating the CB2 receptor. Through this action, it reduces inflammatory processes induced by TRPV1. Histamine-, as well as TNFα/Substance P-induced stress is down-regulated and the expression of a vital detrimental receptor in skin, IL-31RA, is decreased. AnnonaSense CLR™ makes the skin less sensitive and more balanced, even itch is perceptibly reduced. Skin appearance is improved and the perception of well-being and quality of life is enhanced.

AnnonaSense CLR™ is obtained from *Annona Cherimola*, common name Cherimoya, an edible fruit originating from South America.

Dosage: 3.0%
pH range: > 5.2

INCI Name:
Annona Cherimola Fruit Extract

AnnonaSense CLR™
is preserved with
sodium dehydroacetate and
phenylpropanol.

MultiMoist CLR™ – Mapping the moisturization puzzle



MultiMoist CLR™ activates production of the vitamin D receptor (VDR) and promotes the VDR's activation. MultiMoist CLR™ also potentiates the effect of vitamin D. As a consequence the skin becomes more moisturized. By making use of 5 different objective instrumental approaches, the immediate and long term moisturizing properties of MultiMoist CLR™ were convincingly proven. Additionally, the activity of MultiMoist CLR™ was proven in a consumer study, where the subjective improvement of skin moisture content, skin smoothness and the look of skin were confirmed.

MultiMoist CLR™ consists of a powerful synergistic blend of fructooligosaccharides and beta vulgaris (beet) root extract.

Dosage: 3.0%
pH range: 3.0–8.0

INCI Name:
Fructooligosaccharides, Beta Vulgaris (Beet) Root Extract, Water

MultiMoist CLR™
is unpreserved.

CLR Formulation

After Shave Soothing Fluid OW

I-64.135.01B

PHASE	TRADE NAME	INCI NAME	SUPPLIER	W/W %
A	Deionized Water	Water		ad 100
	Zemea	Propanediol		5.00
	Pemulen TR-2	Acrylates/C10-30 Alkyl Acrylate Crosspolymer		0.20
	Verstabil BOB	Benzyl Alcohol, Caprylyl Glycol, Benzoic Acid		0.80
B	CutiBiome CLR™	Octyldodecanol, Leptospermum Scoparium Branch/Leaf Oil, Piper Nigrum Seed Extract, Magnolia Officinalis Bark Extract	CLR	3.00
	PhytoDefense CLR™	Glycine Soja (Soybean) Oil, Dicaprylyl Ether, Magnolia Grandiflora Bark Extract, Lauryl Alcohol	CLR	3.00
	Copherol F 1300 C	Tocopherol	BASF	0.05
	Sepinov EMT 10	Hydroxyethyl Acrylate/Sodium Acryloyldimethyl Taurate Copolymer	SEPPIC	0.35
C	NaOH (32%)	Water, Sodium Hydroxide		q.s.
D	AnnonaSense CLR™	Annona Cherimola Fruit Extract		3.00
E	Perfume Gentle Care	Fragrance		0.15

Operating Instructions:

Mix A/B separately until homogeneous. Add B to A and homogenize for 2 minutes. Adjust pH value to 5.2–5.8 with C and add D under stirring.

Directions for use: Apply after shaving and for your daily skin care.

The recommendations and formulations given are based on our knowledge and experience in the field of technical application. They are, to the best of our belief, correct, but are offered without obligation. Those who use our recommendations and formulations as well as those who process CLR Active Agents are themselves responsible for the adherence to prevailing statutory regulations and the observance of patent rights as well as other protective rights for other companies.

This formula has been manufactured and stability-tested using a special preservative, but has not been subjected to microbiological challenge tests.

CLR

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