

CLR Formulation Concepts

Happy Biome Face & Body Spray

This ultimate **Happy Biome Face & Body Spray** for stressed skin is easy to use and instantly soothes and calms skin upon application. Embrace the cooling effect as it provides immediate relief and leaves the skin with a moistured and revitalized feeling.

CutiGuard CLR™ protects the skin cells from the main three influences on skin aging: external stress, internal stress and time. It reduces wrinkles and improves skin color evenness. **ProRenew Complex CLR™** works from the 'bottom up' and supports the biological mechanisms inside the skin which are responsible for its renewal processes. **G+C Complex CLR™** effectively activates anti-immunosuppressive processes on the cellular level and increases cellular repair mechanisms.



Directions for use: Spray all over the face and décolleté and enjoy refreshing.

Featured Products

CutiGuard CLR™ – Your Personal Guard



Based on the extremophile red alga *Galdieria sulphuraria*, CutiGuard CLR™ constitutes a refined approach to the first signs of skin aging. It transfers the adaptivity and resilience of *Galdieria sulphuraria* to a highly effective, natural active ingredient that protects the skin in stressful environments.

Skin aging starts in the skin cells, which, during a lifetime, accumulate damage. Extrinsic and intrinsic factors add damage, leading to prolonged inflammation and cell senescence. CutiGuard CLR™ reduces the number of senescent cells and associated inflammatory and destructive mediators which lead to visible skin aging. It thus protects skin against premature aging. CutiGuard CLR™ also reduces wrinkles and significantly improves skin smoothness as well as the evenness of skin color – three crucial factors for a healthy and young appearance.

With its proactive and preventive approach, CutiGuard CLR™ is extremely suitable for modern aging consumers. It slows down the skin aging process and helps to avoid the development of the first signs of skin aging.

Dosage: 3.0%

pH range: 3.0–9.0

INCI Name:

Betaine, Sucrose, Hydrolyzed Rhodophyceae Extract, Water

CutiGuard CLR™ is unpreserved.

ProRenew Complex CLR™ – Postbiotic support for skin and its microbiota



ProRenew Complex CLR™ acts on essential features in the aging process of the skin, its ability to successfully adapt to a constantly changing environment and to effectively renew itself.

ProRenew Complex CLR™ positively influences the speed and quality of epidermal growth. It has shown to effectively promote desquamation, the shedding of dead cells. ProRenew Complex CLR™ is beneficial for both the health of skin and the skin microbiota. It balances and protects the skin microbiota and supports it in dealing with day-to-day stress.

Dosage: 3.0%
pH range: 4.0–7.0

INCI Name:
Lactococcus Ferment Lysate

ProRenew Complex CLR™
is preserved with sodium benzoate.

Also available as
ProRenew Complex CLR™ NP,
stabilized with phenylpropanol and
levulinic acid/sodium levulinate.

CLR Formulation

Happy Biome Face & Body Spray

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PHASE	TRADE NAME	INCI NAME	SUPPLIER	W/W %
A	Deionized Water	Water		add 100
	Avicel PC 611	Microcrystalline Cellulose, Cellulose Gum	DuPont	0.50
	Keltrol T Plus	Xanthan Gum	CP Kelco	0.15
	Glycerol 85%, vegetable Ph. Eur.	Glycerin	Gustav Heess	3.00
	Euxyl K 712	Sodium Benzoate, Potassium Sorbate, Water	Ashland	0.80
B	CutiGuard CLR™	Betaine, Sucrose, Hydrolyzed Rhodophyceae Extract, Water	CLR	3.00
	ProRenew Complex CLR™	Lactococcus Ferment Lysate	CLR	3.00
	G+C Complex CLR™	Bifida Ferment Lysate	CLR	5.00
C	NaOH (10%)	Water, Sodium Hydroxide		q.s.
D	SynCrystal Almond	Synthetic Fluorophlogopite, Titanium Dioxide, Iron Oxides, Tin Oxide	Eckart	0.02
	Perfume Aloe Flower KWS	Fragrance	Frey+Lau	0.15

Operating Instructions:

Disperse Avicel PC 611 & Keltrol T Plus into water using high shear (e.g. rotor-stator mixer for 5 minutes). Add B and adjust pH value to 4.8-5.2 with C. Add D as desired and stir until uniform. (Anchor stirrer is recommended).

Directions for use:

Spray all over the face and décolleté and enjoy refreshing.

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

Chemisches Laboratorium Dr. Kurt Richter GmbH
Sperenberger Straße 3 · 12277 Berlin · Germany
Tel +49 30 851026-0 · Fax +49 30 851026-85
info@clr-berlin.com · www.clr-berlin.com

