



GUIDE FOR FORMULATORS

SUN PROTECTION

Beyond SPF: preventing UV damage while integrating sun protection into holistic skin and hair care.

C20+ COBIOLIVE

COBIOPURE

CHIAPROTECT HAIR

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In this guide, we will explore how sun protection is evolving, the formats reshaping the market, and the benefits consumers are looking for today. We will also present the ideal active ingredients to enhance these formulations, together with formulation concepts and claims to inspire future product launches.

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01 WHERE IS SUN PROTECTION HEADING?

Sun protection is evolving into a more comprehensive, everyday, and cross-category concept that goes beyond preventing UV damage to become an integral part of overall skin and hair care.

SUNCARE & SKINCARE ALL IN ONE

Sun protection is becoming an essential part of daily care through **hybrid formulas** that combine UV filters with **functional active ingredients**.

Consumers are increasingly drawn to **innovative formats** and **lightweight, sensorial textures**.

HAIR ENTERS THE EQUATION

The scalp and hair are among the areas most directly exposed to the sun.

Consumers are looking for **lightweight, easy-to-apply formats** that do not leave the hair or scalp feeling greasy.

x3,3 times faster growth in sun care than in the global skin care market

(Euromonitor International, 2025.)

+11,6% CAGR (2026-2034) Sun Hair Mists

(Fact.MR, 2026)

+86,9% year-on-year growth in demand for tinted sunscreens

(Spate)

Growing awareness of sun-induced damage and the “**prevention over correction**” mindset have brought sun care to the forefront of every area of personal care, including face, body, hair, and scalp. Consumers are increasingly drawn to **innovative formats and lightweight, sensorial, non-greasy textures**.

02 TRENDY FORMATS

Format innovation is one of the key drivers of consumer purchasing decisions:



01 JELLY FORMAT

Transforms sun protection into a **fresh, sensorial experience**, ideal for skin and hair with a lightweight, modern finish.




02 STICK FORMAT

Precision and easy reapplication: perfect for targeted areas such as the face, lips, hair parting, or exposed scalp.




03 MIST FORMAT

Lightweight, even, and practical, more convenient for the skin, hair, and scalp, especially for daily use.



04 MILKY FORMAT

Milky textures tap into the growing demand for **sensoriality**, the **skin barrier** as a leading trend, and the influence of **K-Beauty**.



05 ROLL-ON FORMAT

An intuitive applicator that enables **precise, targeted use** on sensitive or hard-to-reach areas, from facial contours to hair partings.



06 POWDER FORMAT

Protection and a dry-touch finish in a single step: especially suitable for oily skin and hair thanks to its **mattifying effect**.



07 SERUM FORMAT

The sun serum offers a more **technical positioning**, combining UV protection with **targeted functionality** for the skin, scalp, and hair.



08 BIPHASIC FORMAT

Combines **lightweight sensoriality with efficacy**, making it highly appealing for protecting the skin and hair fiber **without leaving a heavy or greasy feel**.



09 DRY-TOUCH FORMAT

Protection with visible cosmetic benefits: provides **comfort** to the skin while helping preserve hair **shine, flexibility, and color**.



10 FOAM FORMAT

Transforms application into a **distinctive sensorial experience**, with **airy textures** that **spread easily** across the body, scalp, or thick hair.



11 CREAM FORMAT

The **most traditional format remains essential** for consumers seeking protection, comfort, and **intensive care**, particularly for dry skin or sensitized hair.



12 MASK FORMAT

The mask extends the sun care concept into **post-exposure repair**, helping restore the skin barrier and improve hair fiber quality.

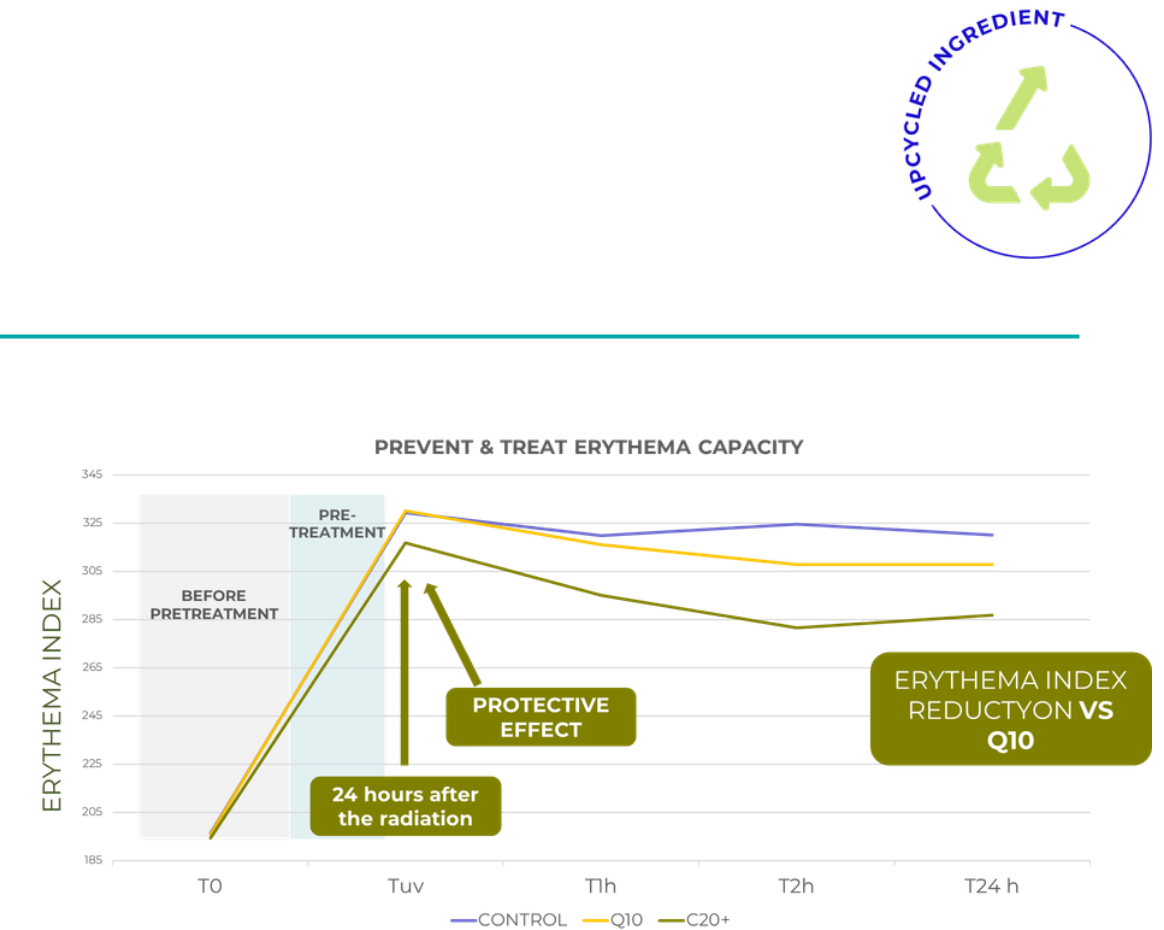


03 C20+ COBIOLIVE

Extract derived from Spanish olives, whose unique combination of components creates a synergistic effect that enhances its antioxidant, anti-inflammatory, and collagen-boosting properties.

> 20% hydroxytyrosol:

One of the phenolic compounds with the highest antioxidant capacity (ORAC VALUE: 27.000 $\mu\text{mol/TE/gr}$)



INCI: Olea europaea (olive) fruit extract, Glycerin

Solubility: Soluble in glycerin, propanediol, alcohol

Dose of use: 0,2 - 1%

IN VITRO

+215%
collagen type I
vs. T0 (72h)

40 $\mu\text{g/ml}$ C20+ COBIOLIVE · Fibroblasts

IN VIVO

24%
erythema reduction

0,5% C20+ COBIOLIVE · 20 vol · 24h

IN VIVO

-38,3%
**Post-inflammatory
hyperpigmentation (PIH)**

0,1% C20+ COBIOLIVE · 16 vol · 45 días





03 COBIOPURE

Moringa oleifera leaf extract with powerful antioxidant properties, providing comprehensive 360° protection.

Modulates RSF (Radical Status Factor)

Parameters used to measure oxidative stress and a product's ability to protect the skin and hair against free radicals.

INCI: Propanediol, Aqua, Moringa Oleifera Leaf Extract

Solubility: Hydrosoluble

Dose of use: 1 -5%

EX VIVO

-32,1%
ROS

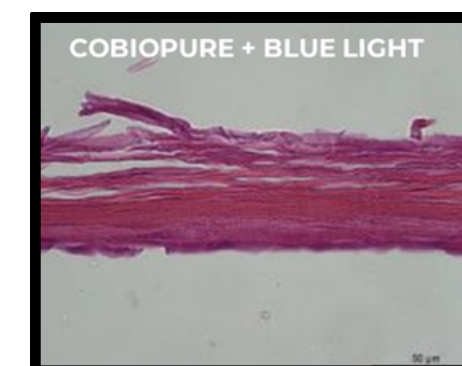
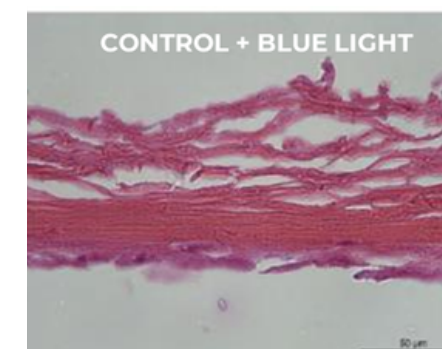
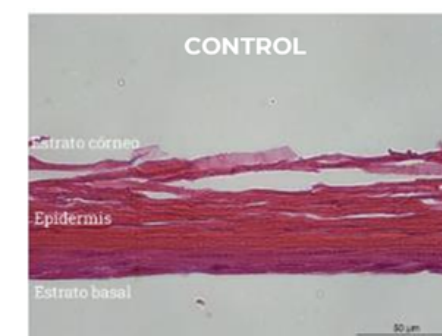
0,5% COBIOPURE · Skin explants

EX VIVO

RSF = 2,03
RP = 50,69%

3% COBIOPURE · 20 vol · 24h

- RSF > 1: Protection against free radicals
- RSF < 1: Free radical production
- RP: Reduction in radical protein formation





03 CHIAPROTECT HAIR

Extra virgin botanical oil obtained by cold-pressing the seeds of *Salvia hispanica*, historically known as chia.

Omega-Rich Superfood:

63% omega 3, 20% omega 6, antioxidants, minerals and vitamins

INCI: *Salvia hispanica* seed oil

Solubility: Liposoluble



Dose of use: 1 - 4%

EX VIVO

+90%
hair shine

5% CHIAPROTECT HAIR · Bleaching + 2 applications

EX VIVO

-26%
color fading

5% CHIAPROTECT HAIR · Bleaching + 2 applications

04 SUN CARE FORMULATION

SUN PROTECTION STICK (PROT. 349/21)

PHASE	RAW MATERIAL	INCI	%
1	BEE WAX	CERA ALBA	10,00
	ACTICIRE	JOJOBA ESTERS, HELIANTHUS ANNUUS SEED WAX, ACACIA DECURRENS FLOWER WAX, POLYGLYCERIN-3, TOCOPHEROL	4,00
	MYRITOL 318	CAPRYLIC/CAPRIC TRIGLYCERIDE	17,70
	EUTANOL G	OCTYLDODECANOL	5,00
	CHIAPROTECT	SALVIA HISPANICA SEED OIL	5,00
	BIOXAN T70	TOCOPHEROL, GLYCINE SOJA OIL	0,50
2	CREMOPHOR RH-40	PEG-40 HYDROGENATED CASTOR OIL	0,60
	C20+ COBIOLIVE	OLEA EUROPAEA FRUIT EXTRACT, GLYCERIN	0,20
3	GranLux TGL-60Z	ZINC OXIDE, CAPRYLIC/CAPRIC TRIGLYCERIDE, POLYGLYCERYL-2 DIPOLYHYDROXYSTEARATE, POLYGLYCERYL-3 DIISOSTEARATE	40,00
	GranLux TGL-50	TITANIUM DIOXIDE, CAPRYLIC/CAPRIC TRIGLYCERIDE, POLYGLYCERYL-2 DIPOLYHYDROXYSTEARATE, POLYGLYCERYL-3 DIISOSTEARATE, STEARIC ACID, ALUMINUM HYDROXIDE	15,00
4	THIXCIN R PC	TRIHYDROXYSTEARIN	2,00
TOTAL			100,00

Note: It is the formulator's responsibility to ensure the stability of the formulation by conducting the necessary tests.

MANUFACTURING PROCESS

- 1.Heat phase 1 to 75–80°C.
- 2.Premix phase 2, add it to phase 1, and homogenize.
- 3.Add phase 3 to phases 1 + 2 and homogenize.
- 4.Add phase 4 and homogenize.
- 5.Fill the product before it solidifies.

MARKETING CLAIMS

- Pro-collagen Booster
- Protection
- Anti-redness & erythema reduction
- Soothing properties
- Antiaging & prevent ´age
- Skin Barrier Repair
- Post-inflammatory hyperpigmentation (PIH) treatment



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SUN CARE FORMULATION

SUN PROTECTION CREAM (PROT. 349/21)

PHASE	RAW MATERIAL	INCI	%
1	WATER	AQUA	66,73
	PROPYLENE GLYCOL	PROPYLENE GLYCOL	4,00
	VERCATECH CAPRYFORCE	METHYLPROPANEDIOL, CAPRYLYL GLYCOL, PHENYLPROPANOL	3,00
	PANTHENOL 50%	PANTHENOL, PROPYLENE GLYCOL	1,00
2	GLYCERIN	GLYCERIN	1,00
	SODIUM HYALURONATE	SODIUM HYALURONATE	0,05
3	SUCRATHIX VX	MICROCRYSTALLINE CELLULOSE, CELLULOSE GUM, XANTHAN GUM	0,30
4	COSMEDIA SP	SODIUM POLYACRYLATE	0,15
5	OLIVEM 1000	CETEARYL OLIVATE, SORBITAN OLIVATE	3,00
	OLIVEM VS FEEL	CETEARYL ALCOHOL, CETYL PALMITATE, SORBITAN PALMITATE, SORBITAN OLEATE	1,00
	LANETTE O OR	CETEARYL ALCOHOL	2,00
	LANNETE 16	CETYL ALCOHOL	2,20
	DC 200/350	DIMETHICONE	5,00
	PHYTOSQUALENO	SQUALANE	4,00
	VITAMIN E ACETATE	TOCOPHERYL ACETATE	0,50
6	SUNCAT MTA	AQUA, BUTYL METHOXYDIBENZOYLMETHANE, ETHYLHEXYL METHOXYCINNAMATE, OCTOCRYLENE, BUTYLENE GLYCOL, LECITHIN, PHENOXYETHANOL	3,00
7	COBIOPURE	PROPANEDIOL, AQUA, MORINGA OLEIFERA LEAF EXTRACT	3,00
8	PARFUM	PARFUM	0,07
TOTAL			100,00

Note: It is the formulator’s responsibility to ensure the stability of the formulation by conducting the necessary tests.

MANUFACTURING PROCESS

1. Weigh phase 1 and homogenize.

2. Premix phase 2 and add it to phase 1.

3. Add phase 3 to phases 1 + 2 and homogenize using a high-shear mixer.

4. Add phase 4 to phases 1 + 2 + 3, homogenize using a high-shear mixer, and heat to 80°C.

5. Premix phase 5 and heat to 80°C.

6. Add phase 5 to phases 1 + 2 + 3 + 4 and homogenize using a high-shear mixer.

7. Add phase 6.

8. Cool phases 1 + 2 + 3 + 4 + 5 + 6 to below 40°C.

9. Add phase 7 to phases 1 + 2 + 3 + 4 + 5 + 6.

10. Add phase 8 to phases 1 + 2 + 3 + 4 + 5 + 6 + 7.

MARKETING CLAIMS

- Antioxidant properties

• 360° protection

• Blue Light Protection

• Anti-redness and reduction of erythema

• Anti-pollution and ‘Skin Detox’

• Regulation of the SFR

• SPF



04

SUN CARE FORMULATION

SUN PROTECTION HAIR MIST (PROT. 263/26)

PHASE	RAW MATERIAL	INCI	%
1	FANCOL ID-CG	ISODODECANE	23,00
	CETIOL LC	COCO-CAPRYLATE/CAPRATE	15,00
	CHIAPROTECT	SALVIA HISPANICA SEED OIL	5,00
	CETIOL ABV	C12-15 ALKYL BENZOATE	15,00
	NEO HELIOPAN AV/ PARSOL MCX	ETHYLHEXYL METHOXYCINNAMATE	9,00
	UVINUL A PLUS / DHHB	DIETHYLAMINO HYDROXYBENZOYL HEXYL BENZOATE	10,00
	NEO HELIOPAN OS/ PARSOL EHS	ETHYLHEXYL SALICYLATE	5,00
	TINOSORB S/ PARSOL SHIELD	BIS-ETHYLHEXYLOXYPHENOL METHOXYPHENYL TRIAZINE	8,00
	UVINUL T150 / NEO HELIOPAN EHT	ETHYLHEXYL TRIAZONE	2,00
2	BIOXAN T70C	TOCOPHEROL, GLYCINE SOJA OIL	0,50
	ALCOHOL	ALCOHOL DENAT.	7,00
	PERFUME SPORT	PARFUM	0,50
TOTAL			100,00

Note: It is the formulator's responsibility to ensure the stability of the formulation by conducting the necessary tests.

MANUFACTURING PROCESS

1.

Pre-mix phase 1 and homogenize.
2.

Pre-mix phase 2, add it to phase 1, and homogenize.

MARKETING CLAIMS

- Hair UV protection
- Hair color protection
- Gloss effect
- Hair nutrition
- Easy application
- Light-weight formula





GUIDE FOR FORMULATORS

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