

**PRODUCTS ENG**



**Chemir**

*A SURFACHEM COMPANY*

**SKIN CARE - SUN CARE - HAIR CARE  
BODY CARE - OTHER PRODUCTS  
VEGETABLE OILS - EMULSIFIERS  
ESSENTIAL OILS**

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**Your Vision, Our Commitment  
Creating Together**



## **COSMETIC PARTNERS**



SKIN Care



SUN Care



Essential OILS



BODY Care



HAIR Care



OTHER products



EMULSIFIERS



Vegetable OILS



Extracts & Hydrolates

# SUN CARE



PROSUN® CH 23

PROSUN® A 23

PROSUN® N



**Chemir**  
A Surfachem Company

## COMPOSITION

### **PROSUN® CH23**

Take care of your skin against the sun

Mixture of stabilized liposoluble filters. The sun protection factor achieved with PROSUN® CH 23 at 1% is approximately equivalent to 1 SPF in the final product.

### **PROSUN® A23**

Safe Protection

Mixture of stabilized liposoluble filters. The solar factor obtained by adding 1% of PROSUN® A 23 is approximately equivalent to 0.8 SPF in the final product.

### **PROSUN® N**

Protection and naturality

Mixture of stabilized liposoluble organic filters. The sun factor obtained by adding 1% PROSUN® N is approximately equivalent to a value of 0.9 SPF in the final product.

## BENEFITS

Tolerable sunscreen for skin and mucous membranes.  
Low toxicity.  
Protection against UV-A and UV-B.  
Mixture of stabilized filters.

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## APPLICATIONS

Sun Protectors  
Facial creams with SPF  
Post surgery creams  
Make-up with SPF  
Post laser hair removal creams

Sun Protectors  
Facial creams with SPF  
Post surgery creams  
Make-up with SPF

Sun Protectors  
Facial creams with SPF  
Post surgery creams  
Make-up with SPF



# PROSUN® CH23

SUN CARE

Take care of your skin against the sun

## DESCRIPTION

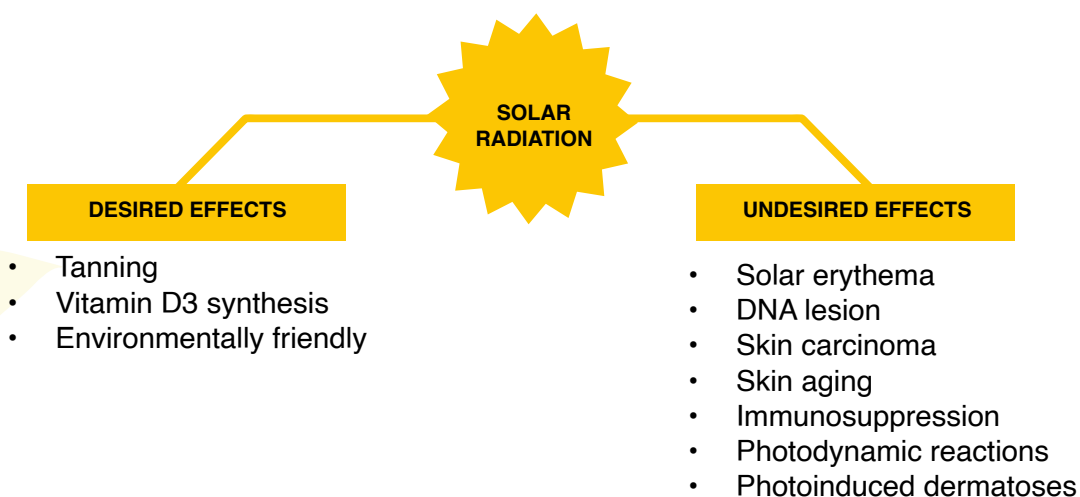
**PROSUN® CH 23** is a stabilized mixture of four liposoluble organic photoprotective compounds well tolerated on skin and mucous membranes, with low toxicity and protective action against UV-B radiation and mild protection against UV-A radiation.

The sun protection factor achieved with **PROSUN® CH 23** at 1% is approximately equivalent to 1 SPF in the final product.

## PROPERTIES

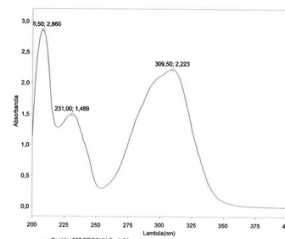
- Tolerable sunscreen for skin and mucous membranes.
- Low toxicity.
- Protection against UV-A and UV-B.
- Mixture of stabilized filters.

## SOLAR RADIATION AND ITS IMPACT ON THE SKIN



## APPLICATIONS

- Recommended for both sun protection products and cosmetic treatment formulations.
- Use as a preventive agent, especially useful in anti-aging and anti-wrinkle products.
- Color Protection in cosmetic formulations.



# PROSUN® A23

SUN CARE

Safe Protection

## DESCRIPTION

**PROSUN® A23** is a stabilized blend of liposoluble organic sunscreens tolerated by the skin and mucous membranes, with low toxicity and protective action against UV-B and UV-A radiation.

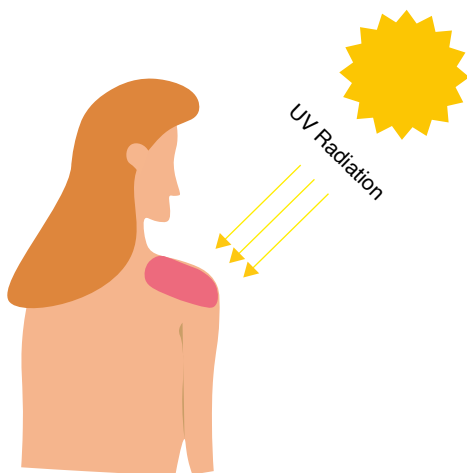
The sun factor obtained by adding 1% of **PROSUN® A 23** is approximately equivalent to 0.8 SPF in the final product.

## PROPERTIES

- Tolerable sunscreen for skin and mucous membranes.
- Low toxicity.
- Protection against UV-A and UV-B.
- Allows a light tan.
- Mixture of stabilized filters.



## UV RADIATION DAMAGE

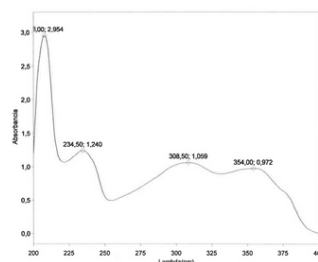


**UV-A** rays have the power to penetrate deep into the skin, altering DNA, proteins and the composition of cell membranes. Accelerate aging, the appearance of wrinkles and skin spots. They are responsible for tanning.

In contrast, **UV-B** rays only reach the most superficial layers of the skin, altering cellular DNA and damaging its structure. Its action can cause different types of skin pathologies.

## APPLICATIONS

- Recommended for sunscreen products as well as for cosmetic treatment formulations and make-up with SPF.



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## Protection and naturality

### DESCRIPTION

**PROSUN® N** is a stabilized mixture of liposoluble organic photoprotectors with high compatibility with skin and mucous membranes, low toxicity and protective action against UV-B and UV-A radiation.

The solar factor obtained by adding 1% of **PROSUN® N** is approximately equivalent to a value of 0.9 SPF in the final product.

### PROPERTIES

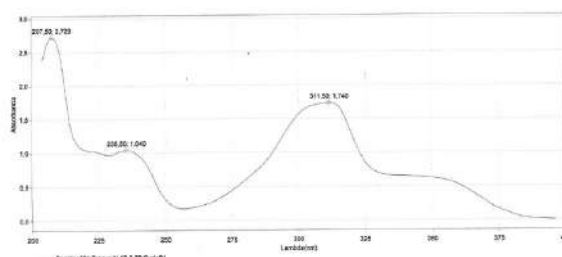
- Tolerable sunscreen for skin and mucous membranes.
- Low toxicity.
- Protection against UV-A and UV-B.
- Mixture of stabilized filters.

### ORGANIC FILTERS

- Unlike physical sunscreens, which reflect solar radiation, organic sunscreens work through a process of absorption of UV radiation without bleaching effect.
- When applied to the skin, these compounds are evenly distributed and form a protective layer that selectively absorbs radiation. UVB (short wave) and UVA (long wave), thus preventing them from penetrating the skin and causing damage.
- Organic sunscreens are known for their ability to provide broad-spectrum protection, that is, protection against UVA and UVB rays.

### APPLICATIONS

- Recommended for both sun protection products and cosmetic treatment formulations.
- Use in post-surgery creams and also in make-up products with SPF.















Página 1: gráfico de absorción



# ACEITE DE PROTECCIÓN SOLAR NATURAL

SUN CARE

## Indicative formula












PHASE	Product	Manufacturer	Function	%w/w
<b>A</b>	<b>SWEET ALMOND OIL</b>	 <b>Chemir</b> <small>A Surfachem Company</small>	<b>MOISTURIZING ACTIVE</b>	<b>Csp. 100</b>
	<b>PROSUN® N</b>	 <b>Chemir</b> <small>A Surfachem Company</small>	<b>SUNSCREEN</b>	<b>10.00</b>
	<b>EMAROL 3391</b>	 <b>Chemir</b> <small>A Surfachem Company</small>	<b>EMOLLIENT</b>	<b>4.00</b>
	<b>MACADAMIA OIL</b>	 <b>Chemir</b> <small>A Surfachem Company</small>	<b>EMOLLIENT</b>	<b>4.00</b>
	<b>CHIA SEED OIL</b>	 <b>Chemir</b> <small>A Surfachem Company</small>	<b>MOISTURIZING ACTIVE</b>	<b>4.00</b>
	<b>EXTRA VIRGIN OLIVE OIL</b>	 <b>Chemir</b> <small>A Surfachem Company</small>	<b>PROTECTIVE ACTIVE</b>	<b>4.00</b>
	<b>EPIDERMINA®</b>	 <b>Chemir</b> <small>A Surfachem Company</small>	<b>PROTECTIVE ACTIVE</b>	<b>3.00</b>
	<b>VITAMIN E ACETATE</b>	 <b>Chemir</b> <small>A Surfachem Company</small>	<b>ANTIOXIDANT</b>	<b>0.50</b>
	<b>POLINESIA TIARE</b>	 <b>Chemir</b> <small>A Surfachem Company</small>	<b>PARFUM</b>	<b>0.50</b>
<b>B</b>	<b>COVASILIC 15</b>	 <b>SENSIENT</b> <small>BEAUTY</small>	<b>OIL THICKENER</b>	<b>4.00</b>
	<b>COVAPEARL DORE GOLD 232 AS</b>	 <b>SENSIENT</b> <small>BEAUTY</small>	<b>PEARL</b>	<b>0.45</b>
	<b>COVAPEARL SPARKLING GOLD 238 AS</b>	 <b>SENSIENT</b> <small>BEAUTY</small>	<b>PEARL</b>	<b>0.25</b>

Formulation process:

1. Preparation of SWEET ALMOND OIL.
2. Add the rest of Phase A over the SWEET ALMOND OIL under stirring.
3. Slowly add COVASILIC 15 under vigorous stirring.
4. Add the rest of Phase B under stirring.

# POST-SUN BALM IN SPRAY

## Indicative formula

PHASE	Product	Manufacturer	Function	%w/w
<b>A</b>	NEOFIN® W/O	 <b>Chemir</b> <small>Chemical Industry</small>	EMULSIFIER	3.00
	EMAROL 3391	 <b>Chemir</b> <small>Chemical Industry</small>	EMOLLIENT	17.20
	MYSTIC OIL	-	EMOLLIENT	2.50
	EMAROL V	 <b>Chemir</b> <small>Chemical Industry</small>	EMOLLIENT	2.50
	PROSUN® N	 <b>Chemir</b> <small>Chemical Industry</small>	SUNSCREEN AGENT	2.50
	VITAMIN E ACETATE	 <b>Chemir</b> <small>Chemical Industry</small>	ANTIOXIDANT	0.05
	PROPOLIS OILY EXTRACT	 <b>Chemir</b> <small>Chemical Industry</small>	ACTIVE	0.25
	PARFUM	 <b>Chemir</b> <small>Chemical Industry</small>	PARFUM	0.50
<b>B</b>	DEIONISED WATER	-	SOLVENT	Csp. 100
	HYALURONIC ACID	 <b>Chemir</b> <small>Chemical Industry</small>	ACTIVE	2.00
	ALOE VERA GEL	 <b>Chemir</b> <small>Chemical Industry</small>	ACTIVE	2.00
	CONSERVANTE NATURAL CH	 <b>Chemir</b> <small>Chemical Industry</small>	PRESERVATIVE	1.00
	ESPESANTE CH	 <b>Chemir</b> <small>Chemical Industry</small>	THICKENER	0.50









Formulation process:

1. Prepare Phase A and heat to 70-75°.
2. Prepare Phase B and heat to 70-75°.
3. Add Phase A over Phase B under stirring.
4. Stir for 30 minutes.

# NATURAL SUNCREAM

## SPF 30

### Indicative formula

PHASE	Product	Manufacturer	Function	%w/w
<b>A</b>	NEOFIN® NAT VEGAN	 <b>Chemir</b> <small>A Surfactant Company</small>	EMULSIFIER	7.00
	PROSUN® N	 <b>Chemir</b> <small>A Surfactant Company</small>	SUNSCREEN AGENT	25.00
	EPIDERMINA®	 <b>Chemir</b> <small>A Surfactant Company</small>	PROTECTIVE ACTIVE	3.00
	COVACRYL RH	 <b>SENSIENT</b> <small>BEAUTY</small>	TEXTURING AGENT	0.80
<b>B</b>	DEIONIZED WATER	-	SOLVENT	Csp. 100
<b>C</b>	PHYTOMARINE AEGIS	 <b>Chemir</b> <small>A Surfactant Company</small>	ACTIVE	5.00
	VITAMIN E ACETATE	 <b>Chemir</b> <small>A Surfactant Company</small>	ANTIOXIDANT	0.20
	CONSERVANTE NATURAL CH	 <b>Chemir</b> <small>A Surfactant Company</small>	PRESERVATIVE	1.00
	POLINESIA TIARE	 <b>Chemir</b> <small>A Surfactant Company</small>	PARFUM	0.50

Formulation process:

1. Prepare Phase A and heat to 70-75°.
2. Prepare Phase B and heat to 70-75°.
3. Add Phase A over Phase B under continuous stirring.
4. When the emulsion is below 40°C add the Phase C.
5. Allow to stir until total homogenization.



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