

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

HAIR CARE



UNDECIL COMPLEX

SULFOTRICO®

PHYTOCHEM® HAIR LOSS

PHYTOCHEM® HAIR

PHYTOCHEM® SEBUM SP

PHYTOCHEM® K+

NEOFIN® HAIR



Chemir
A Surfachem Company

BIOACTIVES

UNDECIL COMPLEX

The anti-dandruff solution

Hexamidine diisethionate
Apium Graveolens extract

SULFOTRICO®

The skin sebum regulator

Willow Extract
Birch oil.
Biosulphur
Cade oil

PHYTOCHEM® HAIR SP

Hair Revitalizer

Keratin Hydrolysate
Calcium Pantothenate
Pyridoxine HCL
Sodium Hyaluronate
Yarrow Extracts
Tusilago Extract
Cinchona Extract

PHYTOCHEM® HAIR LOSS SP

Restores and strengthens hair

Panthenol
Pyridoxine HCL
Biotin
Tocopherol Acetate
Zinc Chloride
Glutamine
Methionine
Acetylcysteine

PHYTOCHEM® SEBUM SP

Sebum regulator

Willow Extract
Sage Extract
Calendula Extract
Tomato Extract
Salicylic Acid

PHYTOCHEM® K+

The plant alternative

Soy hydrolyzate
Oat hydrolyzate
Sweet Almond Hydrolysate
Wheat Hydrolysate

NEOFIN® HAIR

Softness and moisturizing

Alkyltrimethylammonium Chloride
Vitamins A, C, D, E and group B
Trace elements (Fe, K, Ca, Mg)
Phytosterols
Essential fatty acids
Squalene
Polyphenols

PROPERTIES

APPLICATIONS

Product specially formulated to combat dandruff in its different aspects. It rebalances the scalp microbiome and combats the causes of oily dandruff.

Anti-Dandruff Shampoo
Anti-dandruff lotion
Anti-dandruff ampoules

Active sebaceous hypersecretion regulator, antiseptic and anti-inflammatory that helps prevent hair loss and scalp desquamation.

Sebum regulator shampoo
Lotion for greasy hair
Shampoo for dry hair
Mask for greasy hairs

Active ingredient designed to contribute to the prevention of hair loss and to enhance hair growth. Reduces frizz while improving combability and providing a shiny and smooth effect..

Shampoo for damaged hair
Shampoo for thin hair
Repairing mask
Intensive treatments

Active ingredient designed to restore hair health, restructuring and conditioning the fibers that are part of the hair structure. Reduces the risk of hair loss while regulating the pilosebaceous function.

Anti-hair loss shampoo
Anti-hair loss lotion
Energizing shampoo
Shampoo for men

A preparation containing plant extracts, in combination with salicylic acid, which helps to combat problems associated with excess sebaceous secretion of the scalp.

Sebum regulator shampoo
Lotion for greasy hair
Shampoo for dry hair
Mask for greasy hairs

Mixture of plant protein hydrolysates with a final composition of amino acids similar to keratin. It is the alternative to the use of animal protein hydrolysates.

Repairing masks
Repairing Shampoo
Intensive treatments
Restructuring Serum

Multifunctional conditioner with plant butters and oils. It can be used in hair and skin formulations. Hair softener, moisturizer and conditioner. It is antioxidant and color protective while reducing frizz. Easy to incorporate.

Repairing mask
Conditioners
Intensive treatments



UNDECIL COMPLEX

HAIR CARE

The ANTI-DANDRUFF solution

DESCRIPTION

UNDECIL COMPLEX is a product specially formulated to combat dandruff in its different aspects. This active ingredient rebalances the microbiome of the scalp and thus effectively combats the causes of oily dandruff.

PROPERTIES

- Antimicrobial, anti-irritant and anti-inflammatory.
- Decrease in the proliferation of the *Malassezia* fungus.
- It promotes blood circulation and helps to neutralize the pH of the skin.

BIOACTIVE INGREDIENTS



Hexamidine diisethionate

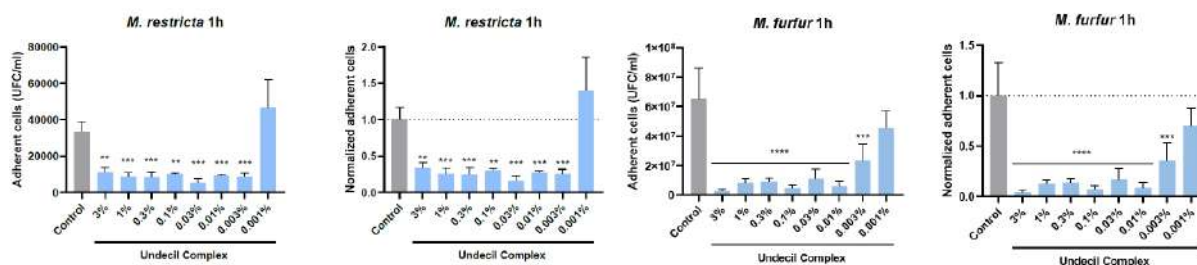


Apium Graveolens extract

EFFICACY STUDIES

In vitro: Antimicrobial adherence study with reduced adherence of *M. furfur* and *M. Restricta*. Antimicrobial (proliferation) action in *M. Restricta*.

In vivo: Significant decrease in sebum and dandruff levels after 28 days of application at 2% concentration.



SULFOTRICO®SP

HAIR CARE

The skin SEBUM REGULATOR

DESCRIPTION

SULFOTRICO® SP It is a very effective mixture to combat and prevent sebaceous gland hypersecretion.

It is designed to balance normal sebum secretion, restoring optimal lipid levels on the skin surface.



PROPERTIES

- Regulates the secretion of sebaceous glands associated with hair follicles.
- Helps and prevents hair loss.
- Antiseptic and anti-inflammatory properties.

BIOACTIVE INGREDIENTS



Willow Extract



Birch oil



Biosulphur



Cade oil

EFFICACY STUDIES

In Vivo: After one month of treatment with a product containing **SULFOTRICO® SP**, a 37% reduction of sebum on the skin surface was observed, as well as a 48% decrease in desquamation.

PHYTOCHEM® HAIR SP

HAIR CARE

Hair REVITALIZER

DESCRIPTION

PHYTOCHEM® HAIR SP is a blend of amino acids from controlled enzymatic hydrolysis of keratin, plant extracts, B vitamins and sodium hyaluronate.

It is designed to restore hair health by restructuring and conditioning the fibers that are part of the hair structure.

PROPERTIES

- Reduces sebum production.
- Helps to improve hair health, strengthening and helping to prevent hair loss and aging.
- Provides softness, shine and elasticity, facilitates hair combing and reduces frizz.
- Protects color.

BIOACTIVE INGREDIENTS



Keratin
Hydrolysate

B5

Calcium
Pantothenate

B6

Pyridoxine HCL

SH

Sodium
Hyaluronate



Yarrow Extracts



Tusilago
Extract



Cinchona
Extract

PHYTOCHEM® HAIR LOSS SP

RESTORES and STRENGTHENS hair

DESCRIPTION

PHYTOCHEM® HAIR LOSS SP is an active ingredient designed to contribute to the prevention of hair loss and to enhance hair growth.

PROPERTIES

- Helps to strengthen the hair fiber.
- Regulates pilosebaceous function.
- Contributes to prevent hair aging and to protect hair coloring.
- Contributes to the blocking of 5α reductase, reducing the risk of hair loss.
- Promotes healthy hair growth.



BIOACTIVE INGREDIENTS

B5

Panthenol



Zinc Chloride

B6

Pyridoxine HCL



Glutamine

B7

Biotin



Methionine

vit.E

Tocopherol
Acetate



Acetylcysteine

EFFICACY STUDIES

In vitro: A 24-hour treatment with **PHYTOCHEM® HAIR LOSS SP** 0.1% shows protection against shedding in dermal papilla cells of human follicles through genetic inhibition of the SRDSA2 gene compared to the control.

PHYTOCHEM® SEBUM SP

HAIR CARE

SEBUM REGULATOR

DESCRIPTION

PHYTOCHEM® SEBUM SP is a preparation containing plant extracts, in combination with salicylic acid, which helps to combat problems associated with excess sebaceous secretion of the scalp.

PROPERTIES

- Anti-inflammatory action.
- Antioxidant action.
- Protection against photoaging.
- Refreshing action.
- Keratolytic action.
- Antimicrobial action.

BIOACTIVE INGREDIENTS



Willow Extract



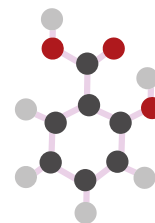
Sage Extract



Calendula
Extract



Tomato Extract



Tomato Extract

EFFICACY STUDIES

In Vivo: Repairing efficacy with reduced cellular desquamation and increased cell renewal. Anti-grease efficacy and reduction of small pores. Accordingly, there is a significant increase in cell renewal.

PHYTOCHEM®

K+

HAIR CARE

The VEGETAL ALTERNATIVE to keratin

DESCRIPTION

PHYTOCHEM® K+ is a mixture of plant protein hydrolysates, obtained by controlled enzymatic hydrolysis of their respective proteins. This preparation has a final mixture of amino acids similar to those of keratin, which makes it a good alternative to the use of animal protein hydrolysates.



PROPERTIES

- Restructures and repairs the hair fiber.
- Creates a lipophilic protective film.
- Protection against external damage.
- Strengthens hair.
- Increases elasticity.
- Reduces the risk of hair breakage

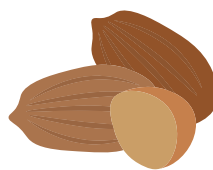
BIOACTIVE INGREDIENTS



Soy
Hydrolyzate



Hydrolysed
Oats



Sweet Almond
Hydrolysate



Wheat Hydrolysate

EFFICACY STUDIES

Ex-vivo: Hair treatment with **PHYTOCHEM® K+** 7% reduces the abrasive conditions of UV exposure, dehydration or air pollutants that damage the hair cuticle. In addition, it also improves the cuticle of damaged hair. Increases breakage resistance by 58.5% and increases hair flexibility by 77.2%.



NEOFIN® HAIR

HAIR CARE

SOFTNESS AND MOISTURIZING for your hair

DESCRIPTION

NEOFIN® HAIR is a multifunctional conditioner with plant butters and oils. It can be used in hair and skin formulations. In hair applications it provides excellent wet combability, reducing static and perfect conditioning without build-up effect. In skin care products, it provides hydration and a pleasant softness.

PROPERTIES

- Substantiality with skin and hair.
- Facilitates hair detangling and wet combing.
- Reduces frizz.
- Provides softness and is non-irritating.
- Use in a wide pH range, it allows to formulate in values between 1.5 - 10.
- Good skin compatibility.

BIOACTIVE INGREDIENTS



Alkyltrimethylammonium
chloride

VIT.
ABCDE

Vitamins A, C,
D, E, and B

Fe Ca
K Mg

Trace elements
(Fe, K, Ca, Mg)



Essential fatty acids



Phytosterols











Squalene



Polyphenols

ANTI-DANDRUFF SHAMPOO

Indicative formula

PHASE	Product	Manufacturer	Function	%w/w
A	DEIONISED WATER	-	SOLVENT	Csp. 100
	SODIUM LAURYL ETHER SULPHATE	-	SURFACTANT	30.00
	ALKYL AMIDO BETAINE	 Chemir <small>A Surfachem Company</small>	SURFACTANT	3.00
	MAPROLITE	 Chemir <small>A Surfachem Company</small>	SURFACTANT	5.00
B	COCONUT FATTY ACID DIETHANOLAMIDE	-	SURFACTANT	2.00
	PANTENOL 50%	 Chemir <small>A Surfachem Company</small>	EMOLLIENT	1.00
	SILK PROTEINS	 Chemir <small>A Surfachem Company</small>	ACTIVE	1.00
	HAIR SOFTENER-25	 Chemir <small>A Surfachem Company</small>	ACTIVE	1.00
C	CONSERVANTE NATURAL CH	 Chemir <small>A Surfachem Company</small>	PRESERVATIVE	1.00
D	UNDECIL COMPLEX	 Chemir <small>A Surfachem Company</small>	ACTIVE	2.00
E	PERFUME	 Chemir <small>A Surfachem Company</small>	FRAGRANCE	0.40

Formulation process:







1. Heat water from phase A to 40-45°C.
2. Add remaining components Phase A.
3. Stir to homogenize the mixture well.
4. Add components Phase B, keeping stirring.
5. Add Phase C under stirring.
6. Add Phase D under stirring.
7. When the mixture is below 35°C add Phase E.
8. Adjust pH between 5.00 and 5.50.

Viscosity should be between 1,500 - 2,500 cps

RESTRUCTURING PLANT SPRAY

HAIR CARE

Indicative formula

PHASE	Product	Manufacturer	Function	%w/w
A	ALOE VERA GEL	 Chemir	HYDRATING ACTIVE	45.00
	DEIONIZED WATER	-	SOLVENT	Csp. 100
	GLYCERIN	-	HUMECTANT	3.00
	PHYTOCHEM® K+	 Chemir	RESTORATIVE AND RECONSTRUCTIVE ACTIVE INGREDIENT	6.00
B	CONSERVANTE NATURAL CH	 Chemir	PRESERVATIVE	1.00
	UNICERT® VIOLET K7025 (sol. 0.01% in water)	 SENSIENT BEAUTY	COLOURING	4.00
	COVABSORB® EW	 SENSIENT BEAUTY	UV PROTECTOR	0.50
	LAVENDER ESSENTIAL OIL	 Chemir	ESSENTIAL OIL	0.075






Formulation process:

1. Weigh the components of Phase A and stir.
2. Weigh the components of Phase B and stir.
3. Add Phase B on top of Phase A under slow stirring.
4. Keep stirring for 10 minutes.

ENERGYSPRAY BALANCE

HAIR CARE

Indicative formula

PHASE	Product	Manufacturer	Function	%w/w
A	DEIONIZED WATER	-	SOLVENT	Csp. 100
	PHYTOCHEM® HAIR SP	 Chemir	RESTORATIVE ACTIVE	3.00
	GUARANA EXTRACT	 Chemir	ENERGISING ACTIVE	2.00
	GINKGO BILOBA EXTRACT	 Chemir	ENERGISING ACTIVE	2.00
	SULFOTRICO® SP	 Chemir	SEBORREGULATING ACTIVE	5.00
	CONSERVANTE NATURAL CH	 Chemir	PRESERVATIVE	1.00

Formulation process:

1. We introduce the components in the established order under slow stirring.
2. Allow to stir for about 10 minutes until complete homogenization.
3. Verify pH (between 5.0 and 5.5), and adjust if necessary.



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