



## FURDENTYL

### Calcium Glycerophosphate

*For healthy and strong Hair, Skin and teeth*

An innovative and premium source of CALCIUM for strong Hair, renewed skin barrier and healthy teeth.

Historically, CALCIUM GLYCEROPHOSPHATE has been developed as a highly bioavailable and soluble source of calcium to mineralize fragile population presenting calcium deficiencies. It also showed high performances in Oral Care regarding CAVITIES PREVENTION.

Inorganic forms of calcium can create scaly film on the hair and skin, prevention moisture from entering and limiting hair growth.

As an organic version of calcium, FURDENTYL does not precipitate on Hair or Skin but is absorbed and contributes to SKIN BARRIER function and HAIR STRENGTHENING

#### PROPERTIES

##### In Hair Care

Enhances hair strengthening by calcium addition and provides conditioning effect thanks to the glycerophosphate part. No build up on scalp.

##### In Skin Care

Stimulates keratinocytes differentiation, activates skin lipids synthesis (ceramide). Barrier function of the skin is restored and water loss is reduced

##### In Oral Care

Calcium and phosphorous provider, in the same ratio than naturally present in the hydroxyapatite for an optimized teeth remineralization. Allows to reduce the use of fluorides with a better anti-cavities effect. The buffering effect provided by FURDENTYL protects the teeth for acid attacks.

## ON THE HAIR

Common issue with tap water from the shower: **HARDNESS** due to calcium carbonate or sulfate forming a **SCALY** film on the Hair (and skin), preventing moisture from entering.

Calcium deposits from precipitation on the scalp might also prevent the HAIR to GROW normally and can lead to hair **BREAKAGE** too.

**FURDENTYL** is a soluble **ORGANIC** source of calcium that **DOES NOT** encounter these issues. The **GLYCEROPHOSPHATE** part also allows the hair **REPAIR** and **MOISTURIZATION**.

## REGENERATING FACE MASK

Phase	Product	INCI	Supplier	Function	%W/W
A1	PURIFIED WATER	Water	---	Solvent	70.90
A2	GLYCERIN	Glycerin	St. Dubois	Humectant	2.00
	ZEMEA	Propanediol	IMCD	Humectant	4.00
B	SEPIMAX ZEN	Polyacrylate crosspolymer-6	Seppic	Thickener	1.50
	ORAMIX CG 110	Caprylyl/capryl glucoside	Seppic	Emulsifier	0.10
C	PURIFIED WATER	Water	---	Solvent	20.00
	<b>FURDENTYL</b>	<b>Calcium glycerophosphate</b>	<b>ISALTIS</b>	<b>Active</b>	<b>0.5</b>
D	FD&C RED N°40	CI16035	Sensient	Dye	0,00013
E	VERSATIL PC	Phenoxyethanol, caprylyl glycol	Dr Straetmans	Preservative	1.0
F	LACTIC ACID	Lactic acid	---	pH adjuster	qs
<b>TOTAL</b>					<b>100</b>



## STRENGTHENING HAIR MASK

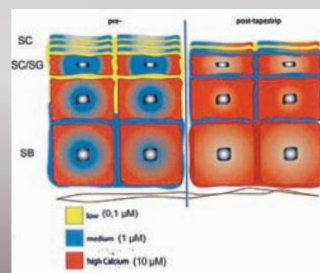
PHASE	PRODUCT	INCI	Supplier	%W/W
A	PURE WATER	Aqua		66.95
	ZEMEA	Propylene Glycol	DOW	1.00
B	CARBOPOL ULTREZ 20	C10-30 alkylacrylates crosspolymer	Gattefosse	0.75
C	SIMULSOL 165	PEG-100 Stearate, Glyceryl Stearate	Seppic	4.00
D	APRICOT KERNEL OIL	Prunus Armeniaca (Apricot) Kernel Oil	Olvea	2.00
	SHEA BUTTER	Butyrospermum Parkii	Olvea	2.00
	LABRAFAC CC	Caprylic/capric triglycéride	Gattefosse	2.00
E	PURE WATER	Aqua		20.00
	<b>FURDENTYL</b>	<b>Calcium Glycerophosphate</b>	<b>Isaltis</b>	<b>0.5</b>
F	VESATIL PC	Phenoxyéthanol, caprylyl glycol	Unipex	0.8
G	TRIETHANOLAMINE	Triethanolamine	VWR	qs
<b>TOTAL</b>				<b>100</b>

## IN THE SKIN

**CALCIUM** is a secondary messenger present in the intracellular and extracellular space.

**GLYCEROPHOSPHATE** allows a signal accelerated synthesis of ceramide.

Both moieties and contributing to the renewal of the skin barrier and the decrease of TEWL, so the skin is protected and hydrated with the use of **FURDENTYL**.



Calcium gradient in the epidermis before and after tape-stripping

## HOW TO FORMULATE WITH FURDENTYL

Cold or Hot processes

For transparent or opaque formulations

In the water phase

Dosages : 0.5-5%

## ABOUT ISALTIS

HIGH PURITY ORGANIC MINERAL SALTS MANUFACTURER

- Manufacturing in France
- Pharma, nutrition and cosmetic ingredients
- GMP pharma certified
- Focus on Green Chemistry
- REACH registered products
- Organic forms of minerals derived from vegetal raw materials
- Worldwide supplier

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