



YOUR CHOICE,  
YOUR SUCCESS

N° 26 – November 2009

# COSMETIC

# NEWSLETTER

## CONTENTS:



### ZENIBEE CREAM:

Comfortable creamy and soft texture

### ZENIGLOSS LINE:

Natural polymers take gloss back home

### ZENICONE XX:

Water soluble emollient

### ZENIGLOSS Q-SE:

Easy formulating, self-emulsifying conditioner

## Editorial

The actual issue of our newsletter is a thematic issue that we dedicate entirely to our principal **ZENITECH**.

**ZENITECH** is a technically oriented company that utilizes a long experience in business and innovative chemistry to create a new generation of natural, multidimensional polymers. The Zenicare System enables the personal care formulator to make new, better, multifunctional products for hair, skin, sun and color applications. All Zenitech products are patented and manufactured in Canada.

ZENITECH's product families are the ZENIGLOSS, the ZENIMER, the ZENESTER, the ZENIWAX and the ZENERBET platforms.

In our current issue we will present briefly the **ZENIGLOSS** line, the **ZENIBEE CREAM** of the Zeniwax line and the **ZENICONE XX** of the Zenimer platform.

We would specially like to highlight ZENITECH's webpage at [www.zenitech.com](http://www.zenitech.com), where you can find really detailed information about products (brochures, datasheets), applications or formulations. And do not miss Dr Z's library where you will find interesting articles and presentations related to ZENITECH's products by some of the leading names in the cosmetic industry.

Ferenc Elekes — Sales Manager

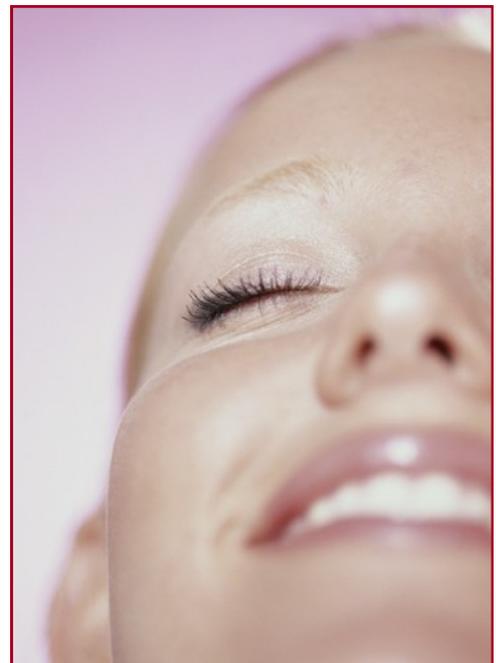
## ZENIBEE CREAM: Comfortable creamy and soft texture

We suggest to you a new pampering emollient to feed your thirsty skin and make it feel soft and relaxed: **ZENIBEE CREAM**. Its **soft wax texture melts right away once it touches skin surface**, due to a designed melting point close to body temperature. It is a natural (**ECOCERT Certified**) ingredient, based on Octyldodecanol (Coconut Oil derived) and USP quality Beeswax, with an outstanding stability and a 3 years shelf life.

**ZENIBEE CREAM** moisturizes and improves the quality of the skin, giving a creamy texture to the product and leaving an outstanding feel that lasts without additives or preservatives. It is highly recommended for **skin care, SPA products, lip protectors, sun care applications, baby care, nail treatments and also for color cosmetics**, as make-up emulsions or emollient mascaras. It can be used up to a 100%.

There is also a wide range of butters based on this product, created by its combination with some specific oils that bring additional properties and attractive

cosmetic claims: **RASPBERRY BUTTER, LIME BUTTER, ORANGE BUTTER, CRANBERRY BUTTER**, etc among many others (upon request). Ask for a sample and let us know your thoughts!



### QUARTERLY FORMULATION-1:

CONDITIONING &  
REPAIRING HAIR MASK

### QUARTERLY FORMULATION-2:

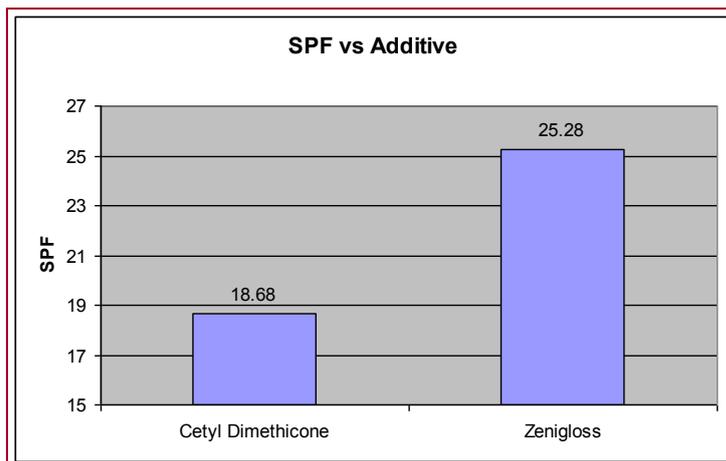
WHITENING CREAM for  
MATURE SKIN

## ZENIGLOSS LINE: Natural polymers take gloss back home

Polymers are very versatile products but usually mean synthetic material with undesired residual substances. **ZENITECH** is determined to change this concept and introduces a **complete range of natural polymers, ECOCERT certified, based on a well known natural ingredient for cosmetics: Castor Oil.**

Castor Oil first use reported was by the Egyptians (known then as *Kiki*) and later on it was introduced by every culture in the world due to its extraordinary properties. It comes from the seeds of *Ricinus Communis L.*, and chemically it is a triglyceride derivative that shows a high content in saturations. By modifying this raw material, we can get a whole range of cosmetic solutions with different viscosity, playtime and penetration of the skin.

**ZENIGLOSS** is designed to bring gloss and shine to your hair and skin. It is a 100% active (INCI Name: Castor Isostearate Succinate) light honey coloured and liquid emollient, with a high molecular weight (3700) which **improves substantivity and adhesion**. On skin and lips it creates a **moisturizing film** due to its excellent barrier properties and **boosts dispersion of chemical compounds**, allowing the sunscreen products to **get a higher SPF and UVA ratio** without adding more filters (see the figure, *SPF Booster Activity - Comparison with an analogue formula with a standard silicone*):



Description	SPF	UVA Ratio
Cetyl Dimethicone	18.68	0.43
Zenigloss	25.28	0.52

It also has **superb wetting properties**, very convenient to improve the performance and dispersion of pigments in Color Cosmetic products (as make-up, lipglosses, lipsticks, concealers, mascara, etc...) and also **helps in make-up removing**. **ZENIGLOSS** improves dispersion on physical filters and particulates in Sun Care applications too.

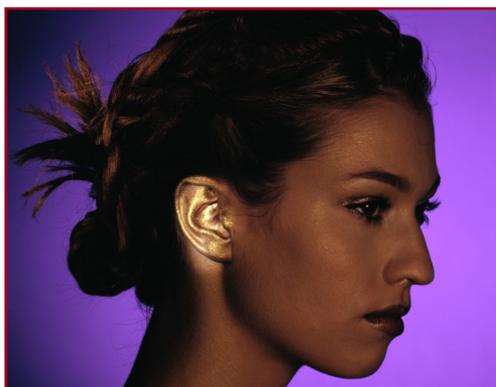
Its high stability and glossing properties allows its formulation in all types of **applications: from hair conditioners to nail treatments, from 0.25% to 25% use level.**

We can get all these benefits also for stick applications with another product of the range: **ZENIGLOSS S**. It is a solid wax version of the emollient, designed to **bring gloss without damaging the final product structure in solid products** (lipsticks, hair styling waxes, lip balms, etc). It also brings a **creamy feeling in emulsions**.

Expanding the same technology, **ZENOLATUM** has been designed to offer a **completely natural alternative to petrolatum**, in terms of sensorial properties and also as aid for pigment suspension. It is particularly useful in lip glosses due to the excellent tack and ability to create a soft product with good high temperature stability.

**ZENOLATUM** also provides stabilization in emulsions and adds **cushion to O/W formulations**, reinforcing the perception of a richer and sophisticated product, very recommended to normal to dry and dry skin treatments. Recommended **use level: 1-50 %**.

## ZENICONE XX: Water soluble emollient



Getting a nice after-feel in crystal clear watery sprays or gels is a quite a challenge: usually emollients (oils, silicones, etc...) are not water soluble and induce some level of opacity in the product. **ZENICONE XX** is a liquid emollient with high molecular weight and very **substantive to hair and skin, with a nice silicone touch but absolutely soluble in water.**

It acts as moisturizer, reduces the tacking of the final product and helps protecting skin particularly in formulations with high alcohol content and intended for frequent use (tonics, sanitizers, hospital soaps, etc ...). **ZENICONE XX** improves the stability and sensorial properties in all kind of applications from very low use levels, from 0.25 to 4%.

## ZENIGLOSS Q-SE: Easy formulating, self-emulsifying conditioner

Taking advantage of the **ZENIGLOSS** technology, **ZENITECH** has combined it with a **hair conditioning ingredient** (polyquaternium-57) to get a unique product with **self-emulsifying properties and water dispersable: ZENIGLOSS Q-SE.**

**ZENIGLOSS Q-SE** forms a stable emulsion when mixed into cold or warm water, so it is a cost effective option to get an easy cold process milky lotion with good hair conditioning properties, together with the characteristic substantivity and gloss of all the **ZENIGLOSS** line. It also helps to stabilize other cationic ingredients on the formulation and it can be included in both in leave-on and rinse-off products for hair, skin and nails. Use level: 1-10%



# QUARTERLY FORMULATION - 1

## CONDITIONING & REPAIRING HAIR MASK

Ref. **F-09/W-0095/08**

TRADE NAME (INCI)	FUNCTION	SUPPLIERS	% w/w
<b>A</b>			
<b>Massocare GMS</b> (Glyceryl Stearate)	<i>o/w co-emulsifier</i>	(1)	2.00
<b>Massocare HD</b> (Isohexadecane)	<i>emollient</i>	(1)	0.50
<b>Ecorol 68/30f</b> (Cetearyl Alcohol)	<i>thickener</i>	(2)	6.00
<b>Zenigloss Q-SE</b> (Polyquaternium-57, PEG-8 Ricinoleate)	<i>hair conditioner</i>	(3)	3.00
<b>B</b>			
Water up to (Aqua)	<i>solvent</i>		100.00
<b>Betafin BP20</b> (Betaine)	<i>moisturising</i>	(4)	3.00
<b>C</b>			
<b>Phaniligne 2</b> (Hydrolyzed Wheat Protein, Methicone)	<i>hair conditioner, dye fixing</i>	(5)	2.00
<b>D</b>			
<b>Sharomix DMP</b> (Propylene Glycol, Diazolidinyl Urea, Methylparaben, Propylparaben)	<i>preservative</i>	(6)	1.00
<b>E</b>			
<b>Perfume</b> (Parfum)	<i>perfume</i>	(7)	q.s.

**APPEARANCE** : slightly ivory coloured

**SPECIFICATIONS :**

**Viscosity:** 9.090 mPa·s (Brookfield LVT, Spindle R2, 12 rpm) 20°C - **pH:** 4.55

**PROCEDURE:**

1. Heat phases A and B to approx. 75°C
2. Add B to A whilst stirring moderately (aprox. 300 rpm)
3. Homogenise AB for 1½ minutes (Silverson: 3.000 rpm)
4. Allow to cool down to 45-40°C whilst stirring slowly (approx. 150-200 rpm)
5. Add progressively phases C and D
6. Allow to cool down to room temperature whilst stirring slowly (approx. 150-200 rpm)
7. Adjust the final pH with NaOH (25%) between 4.00-4.50, if necessary
8. Homogenise again for 1 ½ minutes (Silverson : 3.000 rpm)

**KEY INGREDIENTS :**

**Zenigloss Q-SE** - self-emulsifying hair conditioner

**Betafin BP20** - ecocert-compliant moisturiser, scalp protecting and foam enhancer

**Phaniligne 2** - color retention & curl maintenance conditioner

**SUPPLIERS:**

(1) **Cial. Química Massó** - (2) **Ecogreen** - (3) **Zenitech** - (4) **Danisco** - (5) **Exsymol** - (6) **Sharon Laboratories** - (7) **Esencias Moles**



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## PRINCIPALS:

### ARCH CHEMICALS

Cosmetic actives

### BIOFLAVON

Bioflavonoid complex

### BIOSIL

Functional ingredients

### CRODA

Emollients, Emulsifiers, Cos-  
 metic actives, Fatty acids,  
 Glycerine

### IBR

Biotechnological actives

### GIVAUDAN

Cosmetic actives

### POWER COSMETICS

Cosmetic patches

### RHEOSOL

Cosmetic rheology modifiers

### SINERGA

Cosmetic actives

### SINO LION

Cosmetic actives

### SOLVAY SOLEXIS

Perfluoropolyethers

### SONIAM

Ecocert extracts and oils

### SUMMIT

Antiperspirant salts

### TAGRA

Microencapsulated actives  
 and pigments

### ZENITECH

Cosmetic actives

# QUARTERLY FORMULATION - 2

## WHITENING CREAM for MATURE SKIN

Ref. **F01/W-0138/03**

TRADE NAME (INCI)	FUNCTION	SUPPLIERS	% w/w
<b>A</b>			
<b>Lipomulse Luxe</b> (Ceterayl Alcohol, Glyceryl Stearate, PEG-40 Stearate, Ceteareth-20)	<i>o/w non-ionic emulsifier</i>	(1)	6.00
<b>Lipovol MOS 130</b> (Tridecyl Stearate, Tridecyl Trimellitate, Dipentaerythryl Hexacaprylate/Hexacaprate)	<i>emollient</i>	(1)	5.00
<b>Massocare TH</b> (Triethylhexanoin)	<i>emollient</i>	(2)	6.00
<b>Liponate DPC-6</b> (Dipentaerythryl Hexacaprylate/Hexacaprate)	<i>emollient</i>	(1)	4.00
<b>Massocare MCT</b> (Caprylic/Capric Triglyceride)	<i>emollient</i>	(2)	5.00
<b>Zenibee Cream</b> (Octyldodecanol, Beeswax)	<i>emollient</i>	(3)	1.00
<b>B</b>			
Water up to (Aqua)	<i>solvent</i>		100.00
<b>Betafin BP20</b> (Betaine)	<i>moisturiser</i>	(4)	2.00
<b>Liponic EG-1</b> (Glycereth-26)	<i>humectant, solubiliser</i>	(1)	3.00
<b>C</b>			
<b>Albatin</b> (Aminoethylphosphinic Acid, Butylene Glycol, Aqua)	<i>anti-aging, whitening active</i>	(5)	1.00
<b>D</b>			
<b>Alpha-Melight</b> ( $\alpha$ -bisabolol)	<i>whitening active</i>	(6)	0.50
<b>E</b>			
<b>FMLT AzelaSphere 10.0</b> (Aqua, Azelaic Acid, Caprylic/capric Triglyceride, Lecithin, Phytosterols, Beta-sitosterol, Butyrospermum Parkii (Shea Butter), Ceramide-3)	<i>anti-acne, whitening active</i>	(6)	2.00
<b>F</b>			
<b>ViscUp EZ</b> (Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer, Hydrogenated Polydecene, Sorbitan Laurate, Trideceth-6)	<i>acrylic thickener</i>	(7)	0.50
<b>G</b>			
<b>Sharomix DMP</b> (Propylene Glycol, Diazolidinyl Urea, Methylparaben, Propylparaben)	<i>preservative</i>	(8)	5.00
<b>H</b>			
<b>Perfum</b> (Parfum)	<i>perfume</i>	(4)	q.s.

**APPEARANCE** : Rich, soft and white cream

### SPECIFICATIONS :

**Viscosity**: 33.100 mPa·s (Brookfield LVT, Spindle R2, 12 rpm) 20°C - **pH**: 5.04

### PROCEDURE:

- Heat phases A and B to 70-75°C respectively
- Add A to B whilst stirring moderately (aprox. 300 rpm)
- Add phase F to AB
- Homogenise ABF for 1½ minutes (Silverson: 3.000 rpm)
- Allow to cool down to 45-40°C whilst stirring slowly (aprox. 150-200 rpm)
- Add progressively phases C, D, E, G and H whilst stirring slowly
- Allow to cool down to room temperature stirring slowly
- Adjust the final pH between 5.50-6.50, if necessary

### KEY INGREDIENTS :

**Lipomulse Luxe** - versatile non-ionic o/w emulsifier  
**Zenibee cream** - Beeswax paste. Increase emolliency and spreadability  
**Albatin** - skin lightening and anti age-spots  
**Alpha-Melight** - melanin synthesis inhibitor  
**FMLT AzelaSphere 10.0** - delivery system for azelaic acid; anti-microbial, anti-inflammatory and hyperpigmentation, anti-hair loss, anti-hyperkeratosis

### SUPPLIERS:

(1) **Lipo Chemicals** - (2) **Cial. Química Massó** - (3) **Zenitech** - (4) **Danisco** - (5) **Exsymol** - (6) **Biospectrum** - (7) **Arch PC** - (8) **Sharon Laboratories**