

A review of ideas from 2009 – a personal view

There have been a number of raw material introductions that have come to my attention during the last half of 2009. These may not be new launches but they are materials that had missed our radar!

Anti-ageing

● Provital

Noline [INCI: *Macelignan*]

Purified active from seeds of *Myristica fragrans* Houtt. It contains min. 85.0% macelignan. Enlarges the volume of the subcutaneous adipose tissue, filling wrinkles and expression lines of mature skin. Increases the creation of new adipose cells (adipogenesis) and the size of lipid vacuoles in the adipose tissue.

● Sederma

Subliskin

[INCI: *Sinorhizobium Meliloti Ferment*, *Cetyl Hydroxyethyl Cellulose*, *Lecithin*]

Subliskin acts on keratinocytes by stimulating hyaluronic acid and laminin-5 synthesis, and induces chain reactions down to dermal fibroblasts (elastin synthesis).

It contains glykokines: oligosaccharides acting as specific messengers and inducing biological responses according to their distinct structure, which can be accurately obtained only by biotechnology. It is obtained by biofermentation of *sinorhizobium meliloti* under conditions that mimic the natural symbiosis. The bacterium produces an exopolysaccharide, precursor of glykokines, in response to the plant's needs. Significant decrease in wrinkle quantity by 46% after just one month.

● Mibelle

PhytoCellTec Malus Domestica

[INCI: *Malus Domestica Fruit Cell Culture Extract* (and) *Xanthan Gum* (and) *Glycerin* (and) *Lecithin* (and) *Phenoxyethanol* (and) *Water*]

It has an anti-ageing active based on plant stem cells, protects and stimulates skin stem cells and prevents chronic skin ageing. The new ingredient PhytoCellTec Malus Domestica was investigated in various experiments. *In vitro* experiments



Myristica fragrans.

showed that it promoted the growth of human mesenchymal stem cells and protected them against UV attack. In further experiments with hair follicles, it was shown that the apple stem cell extract delayed the senescence of the follicle cells and so led to a rejuvenation of the cells.

● Marinova

Maritech Bright

[INCI: *Fucus Vesiculosus Extract*]

Maritech Bright naturally reverses the ageing of the skin by inhibiting UV induced skin-degrading enzymes, preventing the formation of free radicals and inhibiting the glycation process. Glycation is an undesirable cross-linking reaction which accelerates ageing. It impedes the actions of elastase and collagenase which break down the fabric of the skin and inhibits the pigment-forming enzyme tyrosinase, which helps to prevent skin spots and even skin tones.

● Lucas Meyer

Laminactine

[INCI: *Glycerin* (and) *Water* (and) *Lysolecithin* (and) *Perilla Ocymoides Seed Oil*]

Used as a traditional Chinese remedy for its high content of alpha-linoleic acid (omega 3), perilla oil is known to have restructuring properties. Laminactine is a nanodispersion of perilla oil in lyso-

phospholipids and stimulates collagen and laminin synthesis. This technical complex enhances skin regeneration, and through repeated use the cutaneous microrelief becomes smoother.

Botanical

● Crodarom

Phytofleur Fire Tulip

[INCI: *Water*, *Glycerin*, *Spathodea Campanulata Flower Extract*]

Native to tropical Africa, the African tulip tree is used by shamans to carve talismans. It is held in reverence by a large number of peoples and tribes, who believe it to have supernatural powers. Considered to be a magical tree by the witch doctors of Africa, its flowers are used to treat skin problems (infections, irritations, etc.), while its bark is used to treat malaria and to quicken the healing of wounds. Unisex cleansing and care products: "the flame against the fire", African concept, sun and after-sun care, to vitalise and energise tired skin and lifeless hair.

● Extracts and Ingredients Ltd (affiliate of Morre-Tec Industries)

Pomegranate derivatives

[INCI: *Punica Granatum*]

Pomegranate dry peel, seed and juice extracts contain different concentrations of ellagic acid as follows: dry peel extract (minimum 40% ellagic acid); dry seed extract (minimum 20% ellagic acid); dry juice extract (minimum 2% ellagic acid); pomegranate cold pressed seed oil (minimum 60% punicic acid). Pomegranate extracts and seed oil from Extracts & Ingredients Ltd contain high levels of ellagic acid (peel, juice and seed extract) and punicic acid (seed oil). These constituents, along with other polyphenols, make pomegranate derivatives useful and effective anti-inflammatory and anti-ageing agents in topical products. Unpublished studies performed by the Dermatological Department of the University of Michigan showed that pomegranate extract and seed oil combinations are highly effective in reducing and preventing fine wrinkles and in firming the epidermis. Multiple



African tulip tree.

physiological studies point to the extraordinary benefits that pomegranate products provide in reducing free radicals and in preventing the damaging effects of free radical induced pathology.

● **Soliance**
Nyamplung oil

[INCI: *Calophyllum inophyllum seed oil*] *Calophyllum inophyllum* is a tree originating from Melanesia. It has reached several shores of the Pacific and Indian oceans through current transportation of the nuts. It is widely found in Indonesia, especially in the south of the Sulawesi archipelago. The oil, obtained from the kernel of the fruit, has specific soothing, regenerating and healing properties. Nyamplung oil is rich in unsaponifiables (1%-4%) and tocotrienol. Dry after feel, nice emollient effect, long playtime, brings softness to the skin.

● **Bio-Botanica**
Bio-Saponins [INCI: *Saponins*]

Saponins are high-foaming agents and are therefore excellent to use whenever natural surface active compounds are required, including soaps, shampoos, creams, lotions and shaving products. They are also ideal for natural toothpastes. Bio-Saponins is a concentrated proprietary blend of saponins prepared from various plants known to contain saponins.

● **Greentech**
Rosamine [INCI: *Water, Glycerin, Alcohol Denat., Lecithin, Malpighia Punicifolia (Acerola) Fruit Extract, Prunus Cerasus (Bitter Cherry) Extract, Tocopheryl Acetate, Retinyl Palmitate, Guar Hydroxypropyltrimonium Chloride, Benzophenone-4, Phenoxyethanol*]
Rosamine helps to scavenge free radicals, protect skin from photo-ageing, nourish and tone skin, and prevent irritation. It contains acerola (*Malpighia punicifolia*)

which is a cherry originating from West Indies. It has by far the highest content of vitamin C among all fruits. *Prunus cerasus* (bitter cherry) is known for its high provitamin A (carotenoid) content. Vitamins A and E are supplemented. Vitamin F is a blend of the two essential fatty acids which reinforce skin defences and diminish inflammatory reactions. The five protecting vitamins are stabilised into liposomes.

● **Salvona**
Salsphere Apple Extract
[INCI: *Pyrus Malus (Apple) (and) Butyrospermum Parkii (Shea Butter) Fruit (and) Hydroxyethyl Behenamidopropyl Dimonium Chloride (and) Polyquaternium-67 (and) Phenoxyethanol (and) Ethylhexylglycerin*]

Salsphere Apple Extract is a controlled delivery system consisting of solid hydrophobic submicron spheres with encapsulated procyanidin B2, a compound identified in apple which acts as a growth-promoting active on murine hair epithelial cells. Both *in vitro* and *in vivo* studies have shown that after repeated use of procyanidin B2, an increase of almost 80% of hair diameter and an increase in the total number of hairs was evident, without any side effects. Procyanidin B2 is a water soluble active that can be found at a high concentration in apple extract. Encapsulation of the extract in the hydrophobic Salsphere spheres enhances the product bioavailability and efficacy. Procyanidin B2 also acts as a potent antioxidant that protects cells against free radicals, reactive atoms that contribute to tissue damage in the body. Procyanidin B-2 therapy shows promise as a cure for male pattern baldness.

Emulsifier
● **Colonial Chemicals**
Poly Suga Mulse
[INCI: *D-Decyl-Glucoside Sorbitan Oleate Crosspolymer L-Lauryl-Glucoside Sorbitan Oleate Crosspolymer*]
Naturally derived, non-ethoxylated emulsifier for o/w emulsions.

● **ALFA Chemicals**
Sucragel CF [INCI: *Caprylic/Capric Triglycerides Glycerin, Aqua, Sucrose Laurate*]
Sucragel is based on a particular sugar ester, sucrose laurate, which is one of the most interesting and versatile sugar esters, but also one of the most difficult to use. By blending this product into a base with recognisable, natural ingredients, a truly functional product results. Caprylic/capric triglycerides has been chosen for its good physical properties and vegetable origin. This grade can be used with most esters

and non-polar oils to obtain crystal clear gels. It can also be used to make milks, lotions and creams by adding an oil phase followed by a water phase.

● **Inolex**
Emulsense SC
[INCI: *Brassicyl Isoleucinate Esylate, Brassica Glycerides, Brassica Alcohol*]
Emulsense SC is a natural cationic emulsification system for skin care. It is an ideal tool for formulating all-natural creams, lotions and body butters. It is derived solely from fermentation and plant materials using sustainable green chemistry principles. It is a tool for creating cationic emulsions. These emulsions are renowned for their powdery after-feel and high consumer acceptance. Emulsense SC is especially useful for formulae with high oil loads, where it acts as a sensory modifier to reduce greasiness.

● **Soliance**
Xylance [INCI: *Cetearyl Wheat Straw Glycosides, Cetearyl Alcohol*]
Fully natural origin. Years of research in developing cosmetic ingredients based on by-products of field crops led to the Xylance project. Xylance is obtained from renewable resources: The hydrophilic fraction is obtained from hydrolysed wheat straw, supplied by Soliance's shareholders. The lipophilic fraction is obtained from rapeseed and palm oil. Xylance is a self-emulsifying base rich in alkyl poly pentosides (APP) and is a non ionic emulsifier suitable for oil in water emulsions. It provides very stable emulsions even at low concentration. Xylance has an outstanding stability with high level of oil phase enables emulsions to contain up to 50% of oil.



Calophyllum inophyllum.

Semi-precious stones

● Lessonia

Garnet Exfoliator [INCI: Garnet Powder]

Garnet: A semi-precious stone for an accurate exfoliation that is a fine pink powder manufactured from garnet gems. It is processed and accurately screened for cosmetic exfoliation.

● Soliance

Jade [INCI: Nephrite Powder]

Nephrite powder is a micronised jade powder which has been shown to give skin tone improvement and was a radiance enhancer. It was also shown to have draining properties as it gives microcirculation stimulation. It also has relaxing properties and a warming effect. It has been proven that jade emits energy in the far infra-red wavelengths due to its unique composition. The skin absorbs this energy emitted by the jade at a wavelength of 9 μm , allowing the energy to be transmitted throughout the skin.

Functional material

● Colonial Chemicals

Poly Suga Pearl

[INCI: Sodium Hydroxypropylsulfonate Lauryl-Glucoside Crosspolymer, Ethylene Glycol Distearate]

Poly Suga Pearl is a concentrated dispersion of pearlescing compounds designed to be free of sulfates and ethylene oxide. The primary dispersant is derived from alkylpolyglucoside, a renewable resource that is non-petroleum based, and has a Green Star Rating of 8.26, meaning that it is more than 80% natural. Poly Suga Pearl can turn clear formulations to pearlesced by cold-mixing it at 5%-7%. Because the product does not have to be heated before placing into a formulation, this saves the formulator energy.

● BioSynthis

Vegelight 1214

[INCI: Vegetable Hydrocarbons]

This is a vegetable derived oil and is a near replacement to volatile silicon oil. The product is an ECOCERT approved volatile and odourless alkane sourced from vegetable oils. It is a clear, colourless emollient with volatility properties similar to petroleum-derived isododecane and synthetically-derived cyclomethicones. This vegetable-sourced solvent can be used in a wide variety of cosmetics and personal care applications that require enhanced solubility and fast spreading to promote active delivery with a preferred quick-drying and non-greasy aesthetic, such as skin care, sun care, AP/Deo, colour cosmetics and hair care areas. It is ideal for use in a natural line of colour cosmetics like



Jade.

mascaras, eyeliners and lip products where improved wear properties are required but no residual solvent can be tolerated.

● Dr Straetmans

Dermofeel Sensolv

[INCI: Isoamyl Laurate]

Dermofeel Sensolv can be used as a basic oil in conventional and natural cosmetic concepts. Its low viscosity and surface tension contribute to improving the spreadability of formulations. In combination with the solvating and dispersing qualities, Dermofeel Sensolv is an ideal oil for sun care products and colour cosmetics. Its silicon-like sensorial profile and excellent skin compatibility make it also for baby care or cleansing formulations. It is a highly-spreading, non-oxidisable oil, which has excellent solvent power for UV-filters. It enhances the dispersibility of pigments and has an elegant skin feel which is non greasy. ECOCERT listed.

● Cognis

Rheocare TTA

[INCI: Acrylates Copolymer]

It gives suspending, stabilising, thickening and appearance-enhancing properties to surfactant based cosmetic cleansing products. It is a rheological control additive with high yield value supporting the unique suspending properties and stability of formulations. Thickening of surfactant based formulations providing attractive flow characteristics. It is effective over a broad pH-range (pH 5.5-10) and has excellent clarity at pH >6. It shows tolerance to high levels of alcohol and has synergistic thickening with electrolytes. It enhances pearlshine appearance and stabilises pearlisers for a long lasting effect.

● Lipo Chemicals

Liponic EG-1 [INCI: Glycereth-26]

A humectant and lubricant that offers a smooth, non-greasy, luxurious feel, Liponic EG-1 is the 26 mole ethoxylate of glycerine. It can be used as a skin

conditioning agent and is compatible with anionic, nonionic and cationic surfactants and is stable over a broad pH range. In addition to being an effective humectant, Liponic EG-1 is a good dispersing medium, viscosity modifier, plasticiser, foam modifier and an exceptional lubricant.

● Colonial Chemicals

Suga Quat TM-8610

[INCI: Trimoniumhydroxypropyl Cocoglucochloride]

Suga Quat L-1010

[INCI: Lauryldimoniumhydroxypropyl Decylglucosides Chloride]

Suga Quat L-1210

[INCI: Lauryldimoniumhydroxypropyl Laurylglucosides Chloride]

Suga Quat S-1010

[INCI: Stearyldimoniumhydroxypropyl Decylglucosides Chloride]

Suga Quat S-1210

[INCI: Stearyldimoniumhydroxypropyl Laurylglucosides Chloride]

Suga Quat S-1218

[INCI: Stearyldimoniumhydroxypropyl Laurylglucosides Chloride]

The Suga Quat series of naturally derived conditioning quats, bring formulators new ingredients that for the first time provide excellent conditioning of hair and skin while being much milder than traditional quats. They offer the formulator naturally derived ingredients from renewable resources that are low in irritation to eyes and skin. The Suga Quats demonstrate unique properties when compared to traditional cationic conditioning agents. Most notable is the significant reduction in eye irritation versus traditional quats as well as no skin irritation at all in testing. They are very compatible in anionic shampoo formulations making them an ideal choice for 2 in 1 shampoos. They do not inhibit from the foam of the shampoo and in fact contribute to foaming properties. Some of the Suga Quat Series have excellent microbial activity. This could make these products useful in preservative free and reduced preservative personal care formulations.

● Colonial Chemicals

Cola Lipid

[INCI: C: Cocamidopropyl PG-Dimonium Chloride Phosphate (Coconut)]

SAFL: Linoleamidopropyl PG-Dimonium Chloride Phosphate (Safflower)

SUN: Sodium Sunfloweramidopropyl PG-Dimonium Chloride Phosphate (Sunflower)

(Sunflower)

OL: Sodium Olivamidopropyl PG-Dimonium Chloride Phos]

The Cola Lipid products are multifunctional, natural oil derived phospholipids composed predominantly of diester and triester phosphatides. Through the careful selection

of specific natural oils and fatty acids as raw materials, the products deliver a broad range of functional properties which include gentle cleansing, anti-irritation effects, unusually high substantivity, long lasting conditioning, broad spectrum antimicrobial activity, emulsification attributes, and exceptional mildness to skin and eyes.

● **Chesham Speciality Ingredients**
HydreCel 11N

[INCI: *Polyquaternium-11*]

HydreCel 11N is suitable for a wide range of leave-on and rinse-off personal care applications, offering substantive conditioning effects, film-formation and moisturisation. Summary of attributes: substantivity to the hair and skin, conditioning effects, film-forming, improves wet and dry combability, glossing effects, improves smoothness and manageability of hair, increases slip and lubricity, anti-static effects, non-irritating, good compatibility with a wide range of surfactants (inc. SLS, ALS, coco-betaine, PEG-80 sorbitan laurate, amphotoacetates), moisturising effect and allows excellent clarity.

● **Laboratoires Sérobiologiques**
Sphingosomes Moist

[INCI: *Water (and) Sodium Lactate (and) Sodium PCA (and) Mannitol (and) Lecithin (and) Sodium Cocoyl Glutamate*]

Sphingosomes Moist is a micellar suspension of biomimetic hydrophilic and lipophilic actives. It has advanced cleansing that gives dirt removal, moisturisation, and optimal skin tolerance. It is suitable for crystal clear formulations. The claim is 'freshness of water, the functionality of oil'. This is a micellar solution that combines biomimetic lipophilic and hydrophilic active ingredients similar to those naturally present in the skin and involved in the moisturisation of the skin, namely: phospholipids of botanical origin analogous to epidermic lipids, and two low molecular weight hydro retaining molecules present in Natural Moisturizing Factor (NMF). With this new material you will be able to formulate micellar solutions, toners and serums, that will re-create and complement the natural barrier effect of the skin, giving enhanced freshness of all skin-types, even the most sensitive ones.

Haircare

● **Momentive**

Silsoft A+ [INCI: *PEG-40/PPG-8 Methylaminopropyl/Hydropropyl Dimethicone Copolymer*]

Based on patented silicone technology from Momentive, Silsoft A+ conditioning agent is a virtually surfactant-free emulsion that typically demonstrates more effective



Aesculus hippocastanum.

deposition of conditioning agents on damaged hair, compared to traditional amino silicones. This enhanced deposition can translate to better performance for the same amount of ingredient, potentially resulting in a significant cost-saving. Silsoft A+ conditioning agent can be especially effective in improving the experience of consumers who suffer from hair damage due to colouring, bleaching and frequent use of hair dryers, because it leaves the hair easy to comb and more manageable.

● **Kalichem**
Stimucap [INCI: *Potassium CLA Glutathione, Sodium DNA*]

A new anti-hair loss ingredient, Stimucap, is composed of the several conjugated forms of linoleic acid and glutathione constituting, in a single molecule, both a natural and highly lipophilic component, as well as a hydrophile. Stimucap is said to reach its maximum efficiency when, after having been absorbed at a cellular level, it is cleaved from the amino acid bond. CLA is known to be highly efficient in favouring the formation of the arachidonic cascade, which causes the formation of prostaglandin, thus strengthening the local immune system. The arachidonic cascade, obtained from the CLA so that it may be converted into prostaglandin PGE2, requires oxygen and an electron donor. The activity is therefore guaranteed by the GSH (reduced glutathione). It is said to be highly efficient in the prevention and reduction of premature hair loss.

Moisturiser

● **Lipotec**

Ion-moist 4men [INCI: *Water (Aqua), Glycerin, Calcium Pantothenate, Xanthan Gum, Urea, Caprylyl Glycol, Magnesium Chloride, Potassium Chloride, Potassium Lactate, Magnesium Lactate, Sodium Citrate, Glucose, Citric Acid, Ethylhexylglycerin*]

Molecular film that provides natural

hydration to the skin mainly because of several ingredients present in the Natural Moisturising Factor (NMF), particularly ions such as potassium, sodium and magnesium but also lactate and urea. These components help to maintain the physical properties of the *stratum corneum*, for example hydration and plasticity. Ion-moist 4men is especially formulated for male skin treatment, stimulating moisture retention and enhancing both the smoothness and hydration of skin.

● **Evonik**
HyaCare 50

[INCI: *Hydrolyzed Hyaluronic Acid*]

Gives increased permeation through the skin compared to high molecular weight hyaluronic acid and rejuvenates the skin by improving its viscoelastic properties. It significantly decreases deep wrinkles.

● **Safic Alcan**
Freeze Dry Avocado Powder
[INCI: *Persea Gratissima (Avocado) Fruit Powder*]

Generation of collagens, hydration, improves elasticity, skin softness, helps sun radiation filtration. It is hypoallergenic, reduces the signs of ageing and is non comedogenic. It has an antioxidant effect, slowing down signs of ageing and provides nourishment for the skin. It creates a natural protective barrier.

● **Soliance**
PrimalHyal 300

[INCI: *Hydrolyzed Hyaluronic Acid*]

PrimalHyal 300 is a low molecular weight hydrolysed hyaluronic acid (MW: 100.000 to 300.000 Da). This pure HA powder is obtained through a biotechnology process using lactic bacteria and renewable vegetable-derived resources. It has been proved that this specific grade of LMW hyaluronic acid reinforces the natural defense system through the release of DEFB2, without inducing the inflammatory process. It has the properties of stimulating the skin's natural immune system, having antimicrobial properties, being a wound healing booster and is also ECOCERT approved.

● **Pentapharm (DSM)**
Syn-Glycan

[INCI: *Tetradecyl*

Aminobutyrolylvalylaminobutyric Urea Trifluoroacetate, Glycerin, Magnesium Chloride]

Loss of skin firmness is one very visible sign of ageing. Syn-Glycan helps to fight sagging skin by boosting hyaluronan content and increasing the expression of decorin and lumican. Hyaluronan plays an important role in the skin. This

glucosaminoglycan consists of a long sugar chain that can bind up to 1,000 times its weight in water. The excellent moisture-holding property leads to a gel-like framework for collagen, elastin and skin cells. Also important is its ability to act as a filler, which helps provide the skin with mechanical cushioning. It boosts hyaluronan production and allows needle-free HA-based face contour remodelling. Decorin and lumican are two important proteoglycans of the dermis. Their protein part binds to a collagen fibril while the GAG part acts as a spacer between the fibrils. The result is the formation of thinner collagen fibrils with increased quality and strength.

● Laboratoires Sérobiologiques

Fluxhydran LS 9487 [INCI: *Sucrose (and) Serine (and) Arginine (and) PCA (and) Alanine (and) Threonine (and) Mourera Fluviatilis Extract*]

Fluxhydran LS 9487 is a new exclusive osmotic hydroregulating active ingredient based on an association of an aquatic plant extract, *Mourera fluviatilis* with amino-acids and NMF substances. Hydro-regulating effect. The *stratum corneum* hydration is kept at its optimal level. Improvement of the skin capacity to fix water in its superficial layers. Substantive and hydro-retaining effect. Capacity to be fixed on the stratified structure of the horny layer. Reinforcement of the water-retaining property of *stratum corneum*. Long-lasting hydration effect. Capacity to maintain the skin in a moisturising microenvironment all day long. Increase of the *stratum corneum* protection by reinforcing its mechanical

protection properties. Dehydration decrease. Decrease of the water loss by perspiration. Improvement of water absorption. Reinforcement of the corneocyte resistance against dehydration and lack of turgescence.

Skin protection

● Biotec GmbH Dermotec 450

[INCI: *Tocopheryl Acetate*]

Dermotec 450 is composed of naturally existing mixture of tocopherol isomers with a high content of γ -tocopherol. It has antioxidant, anti-inflammatory and skin protecting properties. It is made from natural raw materials and meets the requirements of certified natural cosmetics.

● Codif

Hydrofiltrat Silena G

[INCI: *Glycerin, Water, Silena Uniflora Extract*]

Hydrofiltrat Silena G protects the fresh, young look of skin. Codif has taken inspiration from the remarkable capacities of this sea flower, extracting and concentrating its antioxidant properties. Hydrofiltrat Silena G helps skin in its daily fight against free radicals and oxidant stress, thereby prolonging the freshness and delicacy of its youth.

Thalitan [INCI: *Water, Hydrolyzed Algin, Magnesium Sulfate, Manganese Sulfate*]

Thalitan is an original oligosaccharide and tanning booster. Magnesium and manganese were chelated with a marine-derived oligosaccharide. This oligosaccharide was obtained

through enzymatic depolymerisation of a polysaccharide extracted from the brown algae *Laminaria digitata*. It is composed of guluronic and mannuronic acid. Inhibition of apoptosis caused by UVB rays.

- Pro-tanning action: stimulation of tyrosinase. Stimulation of melanogenesis. Increase of melanin synthesis. Bond with the endothelin receptor to promote melanin synthesis.

- Photo protection: anti-free radical protection. Protection of cellular proteins against pro-free radical attack: UVA and UVB rays.

- DNA protection: inhibition of the expression of the nuclear protein p53, a specific marker of cells damaged by UV rays. Prevention of the formation of "sunburn" cells.

- Immunoprotection: Protection of immunocompetent cells of the dermis and epidermis from the harmful effects of UVB and UVA rays.



Empetrum nigrum.

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● **Mibelle**

CM-Glucan Granulate

[INCI: Sodium Carboxymethyl Betaglukan]

CM-Glucan Granulate is a derivative of β -glucan, a natural polysaccharide having immune-enhancing properties. The biological activity of β -glucan is determined by its molecular structure which depends on its origin (yeast, oats, wheat, fungi). β -glucan coming from yeast was shown to have the most potent immune-enhancing capability. Increases the skin's self-protecting capacity. It accelerates skin recovery and restores the skin's moisture barrier.

● **Solabia**

Camaderm GLY [INCI: Glycerin, Empetrum Nigrum Fruit Juice]

It is a fresh black crowberry (*Empetrum nigrum*) juice high in flavonoids and anthocyanins, obtained by cold pressing in a non-denaturing condition and stabilised by vegetal glycerin. It offers protection of dermal fibres by inhibition of elastasic activity and inhibition of MMP-1 collagenase release. It shows improvement of microcirculation and protection of peripheral vascularisation. It has an action on skin biomechanical properties. It regulates the tensile strength linked to stretch marks.

Skin repair

● **Res Pharma**

Edemine [INCI: Escin, Lecithin]

It is a complex of triterpenic saponins (escin) from *Aesculus hippocastanum* and lecithin, with veinotonic, anti-edema and soothing properties. It boosts skin microcirculation and increases skin compactness, reduces cellulites, improves skin appearance and brightens its tone. It is recommended for anti-cellulite and body contouring, anti-blotchiness and soothing properties; heavy legs; puffy eyes; anti-bruising and anti-edema products.

● **Symrise**

SymSitive 1609 [INCI: Pentylene Glycol 4-t-Butylcyclohexanol]

New active ingredient for sensitive skin which represents the next generation of neuro-sensorial actives for sensitive skin with fast skin relief. It works at the cell communication level directly connecting with specific neuro-receptor: TRPV1 thermo-receptor. It also acts as a sensiregulator, reducing the calcium flux in the cellular membrane bringing it back to a normal state. In addition it helps to increase the skin's tolerance threshold by its regulating action and significantly reduces burning and stinging. It shows an immediate effect on heating symptoms and



Paper mulberry tree.

has an "anti-nerve" hyper-activation which calms over-reaction of the skin and so reduces sensitive symptoms.

● **Lipotec**

Liporeductyl [INCI: Water (Aqua), Glycerin, Lecithin, Caffeine, Ruscus Aculeatus (Butcherbroom) Root Extract, Maltodextrin, Silica, TEA-Hydroiodide, Propylene Glycol, Hedera Helix (Ivy) Extract, Carnitine, Escin, Tripeptide-1, Xanthan Gum, Chondrus Crispus (Carrageenan)]

Liporeductyl is a pro-liposome manufactured as a multi-extrusion composite of classical anticellulite extracts combined with the synergistic effect of a GHK tripeptide. The pro-liposomal formula ensures formation of liposomes once blended into the final preparation. These special liposomes ensure effective penetration, so transport of the actives to the deepest layers of the epidermis allows effective action on both the lipolytic and venotonic fronts.

● **Codif**

Hydrofiltrat Marine Lotus

[INCI: Glycerine, Water, Lotus Maritimus Extract]

It has anti-free radical activity and anti-inflammatory activity. It restores lipolytic activity, stimulates and protects adiponectin and offers reinforcement of the caffeine efficacy. It reduces buttock and thigh volume and eliminates the orange peel effect.

● **Soliance**

Abdoliace [INCI: Sucrose Palmitate (and) Polysorbate 20 (and) Glyceryl

Linoleate (and) Paullinia Cupana Seed Extract (and) Maltodextrin (and) Prunus Amygdalus Dulcis (Sweet Almond) Oil (and) Lecithin (and) Water (and) Citrus Aurantium Amara (Bitter Orange) Peel Extract (and) Tocopherol]

Fat tissue has been estimated to double between 25 to 70 years old. Morphological changes due this adipose tissue increase are specifically localised in the abdominal area for men, whereas it concerns hips and thighs for women. Abdoliace, the unique slimming active ingredient targeting man-specific issue: love-handles. Prevention of abdominal preferential fat deposition, stimulation of fat breakdown and optimisation of Abdoliace performances thanks to Spherulite technology.

Skin whitening

● **Bio-Botanica**

Albacan [INCI: Maltodextrin, Silica, EDTA, Sodium Metabisulfite, Broussonetia Kazinoki Root Extract, Arctostaphylos Uva Ursi Leaf Extract]

A novel blend, Albacan contains paper mulberry root extract, bearberry leaf extract and a debridement enzyme together with appropriate co-factors, activators and stabilisers in order to achieve maximal activity and minimise or eliminate any irritation or side effect. Independent laboratory testings proved that 4.4% Albacan containing 0.0375% of paper mulberry compound was as potent as 1.2% arbutin or 1% kojic acid.

Thickener

● **ALFA Chemicals**

Sucragel AOF [INCI: Prunus Amygdalus Dulcis (Sweet Almond) Oil, Glycerin, Aqua, Sucrose Laurate]

Sucragel AOF is based on sweet almond oil and is recommended for use with vegetable oils to obtain clear oily gels. It can also be used to make milks, lotions and creams by adding an oil phase followed by a water phase.

Conclusion

It is impossible to see every booth at every show and contact every supplier during the year, so sometimes we do not see every product brought to market first time round. This article has reviewed the majority of the materials that we had not looked at by the end of last year, but show great promise to the formulator. These reviews are a regular feature and if you would like to see your new launches highlighted, then please send technical data sheets electronically to dweckdata@aol.com because they all will be read and likely reviewed. There was not the space to review all the ideas and we will roll-over those materials we have not mentioned into a later edition.