

03
23

english

page 1 of 2

f u t u r e c o s m e t i c s

Dear customers and partners,
Our last inci-news was dedicated to the topic of innovative raw materials from up-cycling processes and we received a lot of positive feedback from you. In this newsletter, we would therefore like to introduce you to further sustainable raw materials that are obtained through upcycling, this time with a special focus on the area of "Hair Care".

We are very pleased about your interest, your enquiries, suggestions and the professional exchange.

Your inci-experts



Hair Care

Products in this category require highly effective substances that both prevent damage to the hair and balance and optimise already damaged hair structures. So far, there are still few sustainable and green approaches that are sufficiently convincing in terms of performance and sensory properties. A large number of hair care products are therefore still formulated with silicones and synthetic polymers.

We have looked around and discovered interesting raw materials that have developed molecules with the approaches of Green Chemistry that are convincing in terms of power and performance, but have their origin in nature, i.e. are renewable, better biodegradable and biocompatible.

Citropol ... the sustainable silicone substitute

Connect Chemicals has succeeded in developing an extremely innovative range of raw materials from paper industry waste that seems to meet all requirements: 100% natural origin, biodegradable, COSMOS compliant, vegan AND obtained through upcycling.

Today we would like to report on other Citropol types that are used as natural silicone substitutes in hair and skin care products. In our own in-house developments for hair and beard care products, they have convinced us with both their excellent spectrum of efficacy and their ease of processing.

Citropol® 1A, Citropol® HA (INCI: *Polycitronellol Acetate*), Citropol® H (INCI: *Polycitronellol*) and Citropol® V5 (INCI: *Polycitronellol Acetate, Undecane, Tridecane*) are clear, odourless polymers that can be used as direct replacements for dimethicones and volatile cyclomethicones. Thanks to their fast-absorbing, non-greasy properties, they give skin and hair a silky smooth sensory feel, improved wet and dry combability as well as enhanced spreadability and glide.

This allows the launch of competitive products that are free of dimethicone and other silicone derivatives, for example in hair care or styling products for frizz control, curl definition and hair volume without build-up risk.

We would be pleased to present our tested formulations in solid - or liquid formats.



inci-news

**03
23**

english

page 2 of 2

f u t u r e c o s m e t i c s



CosmeGreen ES 1822+

... the 100% natural conditioner

Surfactgreen has succeeded in developing a natural cationic surfactant system that is 100% organic, COSMOS certified, Natrue and vegan. The performance of Cosmegreen ES 1822+ shows a significant improvement in combability based on combing strength measurements compared to existing and established COSMOS conditioners, it is also non-irritating to the skin and can therefore, unlike conventional cationic surfactants, also be used in leave-in products.

In contrast to synthetic conditioners, CosmeGreen ES 1822+ shows a more sustainable and environmentally friendly profile. Other special features include low ecotoxicity and easy biodegradability.

We have already successfully used and tested CosmeGreen ES 1822+ in COSMOS-compliant conditioners. The objective data determined in our in-house measurement laboratory to prove the performance underpin the excellent smoothing and conditioning properties of the products.

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Wastar™ Pink Berry

... the sustainable active ingredient for a healthy scalp

To promote environmentally conscious ingredients, Wastar™ Pink Berry (INCI *Schinus Terebinthifolia Seed Extract*) is obtained through an up-cycling process as a by-product in the manufacture of natural fragrances. It is COSMOS certified, biodegradable and reduces the impact of the manufacturing process on the environment.

Rich in biflavonoids, Wastar™ Pink Berry soothes irritated scalp and promotes scalp health. Benefits include: Minimising redness of the scalp, reducing itching, reducing the appearance of dandruff, fast acting. Wastar™ Pink Berry has been specifically formulated for physical influences and studies show an overall improvement in the condition of the scalp.

We have already successfully and effectively used all three raw materials in solid, anhydrous and liquid hair care products. We have thoroughly investigated the performance of the raw materials presented. Our in-house validated test procedures allow qualified statements on combability, conditioning behaviour as well as foam volume and smoothness of newly developed hair care products, especially in comparison to benchmark products. Contact us about formulations that are already ready for use.

Our team will advise and support you in your plans. Feel free to contact us!

Please do not hesitate to contact us!