

Press Release

17. October 2008

Personal Care for You: Addressing today`s cosmetic mega trends

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Part I: Anti-aging

The product line Personal Care of Evonik is built on a comprehensive technology platforms and profound market knowledge. Our success is based on outstanding product performance, scientific support and a clear understanding of customer-orientated needs and wants.

During the last several years “ Anti-aging ” has emerged a global macro trend. More and more consumers are spending a lot of time and money trying to turn back the clock on maturing skin. Women and, of course, men of today place a high value on their appearance. Consumers want to look younger and prevent or minimize the early stages of aging. Skin and hair should gleam in the brilliance of youth. And they expect these high performance solutions to be safe, easy and convenient.

Evonik has an outstanding know-how in research and development of products and formulations and offers a broad portfolio of specialty products with substantial claims. In addition to that, our technical staff provides best services and solutions to all your questions.

Our product portfolio ranges from cosmetic ingredients for skin moisturization and the reduction of appearance of wrinkles to conditioners for a lustrous and shiny look of the hair. Some selected products from our portfolio include:

HyaCare® 50

HyaCare® 50 is a very low molecular weight hyaluronic acid (50KD) with better skin permeation compared to higher molecular weight hyaluronic acid variants. Inhouse in-vitro studies with subsequent microarray evaluation show that the material is capable of acting on the expression of more than 100 genes with positive effects on those genes which regulate of the tight junctions of epidermis. Our in-vivo results demonstrate a significant improvement of skin elasticity and its viscoelastic ration with use levels as low as 0.1% HyaCare® 50 and supports skin`s own mechanism to minimize the appearance of deep wrinkles visibly after 4 weeks.

TEGO® Turmerone

TEGO® Turmerone is the distilled fraction of turmeric oil extracted from the root of *Curcuma longa* by supercritical carbon dioxide and is standardized to turmerones content. Significant intrinsic anti-oxidant activity has been observed in in-vitro experiments. Studies with reconstructed skin models challenged by UV-B irradiation demonstrate the upregulation of genes involved endogenous cellular defence mechanisms against oxidative stress. TEGO® Turmerone can be applied to improve skin radiance and the evenness of skin tones, as shown with in-vivo studies with 0.5% use levels after application over 8 weeks. Produced with an

environmentally friendly process. Contains at least 65% of Turmerones.

TEGO® Cosmo LSG

Scleroglucan is a water-soluble, natural beta-glucan biopolymer obtained via fermentation.. Due to the low molecular weight its inherent thickening properties are reduced and the usage concentration in cosmetic formulations can be increased. The large water-binding capacity, soothing properties and positive effects on the skin barrier combined with its silky skin feel make TEGO® Cosmo LSG as an ideal active ingredient for formulations targeted for skin protection. TEGO® Cosmo LSG is biodegradable and non-toxic.

ABIL® UV QUAT 50

ABIL® UV Quat 50 is a silicone conditioning agent with excellent hair fiber UV protection. It provides efficient protection of hair color against fading in sun light and protects the hair fiber also against damage from UV radiation. ABIL® UV Quat 50 is highly substantive to hair and can be used in rinse-off and leave-in formulas.

ABIL® SOFT AF 100

Conditioning agent for shampoos and hair rinses. Improves the body and volume of hair. Strongly substantive to hair and skin proteins. Self emulsifying in aqueous systems. Improves synergistically volume properties of alkylquats.

More information can be found on:

www.evonik.com/personal-care and in our new catalog.

Company information

Evonik Industries is the creative industrial group from Germany which operates in three business areas: Chemicals, Energy and Real Estate. Evonik is a global leader in specialty chemicals, an expert in power generation from hard coal and renewable energies, and one of the largest private residential real estate companies in Germany. Our strengths are creativity, specialization, continuous self-renewal, and reliability. Evonik is active in over 100 countries around the world. In its fiscal year 2007 about 43,000 employees generated sales of about €14.4 billion and an operating profit (EBIT) of more than €1.3 billion (preliminary figures).

Disclaimer

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