Press Release

31. October 2008

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New Evonik Products at IN-COSMETICS in Bangkok

- **Premium silicone conditioning agent**
- **Natural beta-glucan biopolymer for skin protection**
- **Naturally and biodegradable polypeptide**

The business unit Consumer Specialties of Evonik will be presenting its portfolio of Personal Care products at this year's IN-COSMETICS in Bangkok, Thailand, from November 4 through 6, 2008 at booth number E 10, introducing some innovative products and technologies for skin and hair care.

ABIL® T Quat 60:
Premium silicone conditioning agent

The new ABIL® T Quat 60 is a premium silicone conditioning agent with excellent substantivity to hair keratine, outstanding conditioning features and impressive heat protection properties for universal use in conditioning shampoos, hair rinses, balms, body washes and leave-in formulations. ABIL® T Quat 60 is highly suitable for clear formulations. In surfactant formulations, ABIL® T Quat 60 shows a significantly reduced thinning effect compared to standard silicone derivatives, provides a superior skin feel and improves the foam properties.

TEGO® Cosmo LSG:

Natural beta-glucan biopolymer for effective skin protection

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 an ideal active ingredient for formulations targeted for skin protection. TEGO® Cosmo LSG is biodegradable and non-toxic.

TEGO® Cosmo PGA:

Natural and biodegradable polypeptide

To anticipate the trend towards sustainability, the business line Care Specialties of Evonik Industries extends its current range of active ingredients with TEGO® Cosmo PGA, a polypeptide of the amino-acid L-glutamic acid produced by biotechnology. Gamma Polyglutamic acid is a naturally occurring biopolymer present in fermented soybean, a traditional healthy food very popular in Japan for over 800 years and known as “Natto”. The unique production process of TEGO® Cosmo PGA is based on the fermentation of L-glutamic acid by *Bacillus subtilis natto*, the same microorganism as the one used for the preparation of “Natto”. TEGO® Cosmo PGA is edible, non toxic to human body and biodegradable. The characteristic polyanionic nature of TEGO® Cosmo PGA polypeptide leads to interesting multiple benefits for many industries. For instance, it is known to facilitate calcium absorption improving

osteoporosis conditions when used as a nutrition supplement. In cosmetics, its polyanionic character provides chelating properties for divalent cations, such as calcium and magnesium, supporting their solubilisation, delivery and bioavailabilty. It is also known as a film-former with good moisturizing properties providing interesting sensory benefits.

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).

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