

## Press Release

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### New Evonik Products at PCHI in Guangzhou

- Collagen boosting bioactive peptide
- Novel silicone based oil-in-water emulsifier
- Premium silicone conditioning agent
- Natural beta-glucan biopolymer for skin protection
- Innovative EO free concentrate for cosmetic wet wipes
- Multifunctional technology for cosmetic skin care wipes

The business unit Consumer Specialties of Evonik will be presenting its portfolio of Personal Care products at this year's PCHI in Guangzhou, China, from February 24 through 26, 2009 at booth number B 04, introducing some innovative products and technologies for skin and hair care and giving a presentation about *"novel plant extracts and a biodegradable polypeptide from natural sources for achieving outstanding radiance and skin performance"*.

The new products are:

#### **TEGO® Pep 4-17:**

#### **Collagen boosting bioactive peptide for anti-aging formulations**

TEGO® Pep 4-17 is a new bioactive and pure tetrapeptide with outstanding anti-aging properties. It activates collagen production and therefore stimulates dermal filling, repair, and renewal mechanisms of the skin. Formulations with

TEGO® Pep 4–17 lead to an increased elasticity, a decreased volume of wrinkles and fine lines as well as a reduction of skin roughness.

**ABIL® Care XL 80:**

**Novel silicone based oil-in-water emulsifier**

ABIL® Care XL 80 provides an outstanding combination of performance and aesthetics. Formulations based on this new emulsifier feel very velvety and silky and have a light, smooth after-feel on the skin. In addition, its innovative molecular architecture results in outstanding emulsifying and stabilizing properties. Creams, lotions and sprays containing all type of active ingredients or UV filters can easily be formulated with ABIL® Care XL 80. It is suitable for both hot and cold processing and a flexible and powerful tool for developing skin care emulsions with premium characteristics.

**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® Wipe Lux:****Innovative EO free concentrate for cosmetic wet wipes**

TEGO® Wipe Lux is a unique composition of EO-free emulsifiers, caring cosmetic emollients and phenoxyethanol. It can be used for the preparation of O/W impregnating liquids for cosmetic wet wipes. The combination of a medium viscous cosmetic oil with good spreading properties and natural Cotton Seed Oil results in impregnating liquids which provide a rich and soft skin feel.

TEGO® Wipe Lux is a liquid concentrate and easy-to-process at room temperature. Formulations based on TEGO® Wipe Lux allow the addition of various water-soluble and oil-soluble actives, ingredients such as panthenol, allantoin, TEGO® Cosmo C 100 (Creatine) and Skinmimics® are well tolerated in the final impregnating liquid.

**TEGO® Wipe Flex:****Multifunctional technology for cosmetic skin care wipes**

Sensorial benefits are important for cosmetic wipes acceptance and are also a differentiation tool. TEGO® Wipe Flex offers a new concept to modify a pleasant basic skin feel of an impregnating liquid into various types of afterfeel as well as different application properties. Whilst providing elegant emolliency, the choice of added skin care materials influences the performance and sensorial profiles of the final formulation.

TEGO® Wipe Flex gives the formulator flexibility as it was designed to tolerate the addition of various oils, emulsifiers/surfactants and active ingredients. TEGO® Wipe Flex is an emulsifying system suitable for the formulation of O/W impregnating liquids for cosmetic wipes applications.

It allows the preparation of versatile wipe products with different claims like skin smoothness, softness, care, cleansing, Make-up remover. The product represents an innovative technology based on PEG-free emulsifiers, a caring emollient and phenoxyethanol.

TEGO® Wipe Flex is liquid and suitable for economic cold processing. It is easy-to-process by dilution with water. Impregnating liquids made from TEGO® Wipe Flex have a very fine degree of dispersion and provide long-term stability in an exceptionally broad range of formulations.

### **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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