

Evonik Showcases its Long-Lasting Bonding Solutions at China Adhesive 2011

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- The megatrend of resource efficiency is regarded as one of the key drivers for adhesives & sealants industries' growth
- Evonik's booth number: A01, Level 1, Poly World Trade Expo Center, Guangzhou, China, September 28 to 30, 2011

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The 14th China International Adhesives and Sealants Exhibition (CHINA ADHESIVE 2011) will be held in Guangzhou, China from September 28-30, 2011. At this year's tradeshow, Evonik will highlight a broad range of high-tech products and solutions for the adhesives & sealants industry.

According to China Adhesive Industry Association, China's adhesive output will reach 7.17 million tons, with sales of RMB 103.8 billion by the end of 2015. The megatrend of resource efficiency is regarded as one of the key growth drivers for the future. The adhesive industry in China will focus on the development of environmental-friendly products. Based on various chemical platforms, Evonik offers products and solutions which enable adhesive manufacturers to enhance their formulations to achieve higher performance and effectiveness. The constantly growing portfolio of products and solutions reflects our innovation and flexibility, the answer to current and possible future market demands.

As one of the significant suppliers for the adhesives and sealants industry, the company established the Evonik for Adhesives & Sealants Team (EAST), which pools the Group's entire adhesives and sealants expertise and incorporates all corresponding products. "The Industry Team of EAST enables Evonik to offer its customers first-rate system solutions for adhesives. The team members meet regularly to share experiences, allowing us to utilize the synergies in order to offer our customers the best possible solution," said Dr. Ralf Düssel, chairman of EAST. Covered by a common visual, Evonik is also bundling its communication efforts to the Adhesive & Sealants industry by using the Romeo and Juliet motif.

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Customized solutions for Adhesive and Sealant applications

Evonik's Adhesive Resins Product Line is offering a broad range of products and solutions for the adhesives & sealants industry. They provide the DYNACOLL® Series, polyester-polyols, copolyesters and polyacrylates for reactive and thermoplastic hot melts. With DYNACOLL® *Terra*, the company has recently expanded its DYNACOLL® product range to include polyester made from renewable raw materials. Evonik has introduced six development products with a broad spectrum of properties. The individual products contain between >30 and 100 percent monomers derived from renewable resources. These polyesters can be variously combined in adhesive formulations. Good adhesion properties have already been achieved on a variety of substrates, particularly wood and plastics. By developing DYNACOLL® *Terra* product range, Evonik has underscored responsibility and contributes to the trend in the chemicals industry to a greener future.

Furthermore, Evonik's product portfolio at China Adhesives contains liquid polybutadienes marketed under the brand POLYVEST®, VESTOPLAST®, amorphous poly- α -olefines, VESTOWAX® synthetic waxes produced by the Fischer-Tropsch process and DEGALAN®, methacrylate binders for heat sealing applications. The Adhesive Resins Product Line will present its new market approach at the China Adhesives. Based on the claim "Designed Polymers for Adhesives & Sealants" Evonik will introduce its "flying the flag"-campaign for the first time in Asia.

High Performance Silanes in Various Applications – Dynasytan® Silanes

MS- and SPUR-systems as well as other hybrid polymer based products are getting more and more popular in China. Evonik's Dynasytan® product is a high performance additive supporting those systems, e.g. as endcapper. In addition Dynasytan acts as an adhesion promoter, crosslinker and water scavenger, some Dynasytan® products can achieve an excellent performance complying with MS-polymer and SPUR-systems. It offers unique property improvements, such as less water uptake and higher elongation. It also can provide adhesion to difficult substrates.

Excellent Ingredients for Adhesive– AEROSIL® Fumed Silica and SIPERNAT® Precipitated Silica

AEROSIL® fumed silica and SIPERNAT® precipitated silica are used as an

active reinforcing filler to improve the mechanical properties of adhesives & sealants, with the key functions of rheology control, thixotropy, reinforcement, flow improvement and stabilization. Evonik's silica products have been widely used in traditional industries and industrial adhesive products for many years. By developing innovative products to the market, we are now providing tailor-made solutions to broader application areas, including adhesives and sealants for solar cells, photovoltaics and wind turbines.

Detailed information on Evonik's tailor made products and solutions for adhesives & sealants is available at www.evonik.com/adhesives-sealants

Company information

Evonik, the creative industrial group from Germany, is one of the world leaders in specialty chemicals. Its activities focus on the key megatrends health, nutrition, resource efficiency and globalization. In 2010 about 80 percent of the Group's chemicals sales came from activities where it ranks among the market leaders. Evonik benefits specifically from its innovative prowess and integrated technology platforms. Evonik is active in over 100 countries around the world. In fiscal 2010 more than 34,000 employees generated sales of around €13.3 billion and an operating profit (EBITDA) of about €2.4 billion.

Evonik Industries has been producing specialty chemical products in the Greater China region (Mainland China, Hong Kong and Taiwan) since the late 1970's; with wide-ranging trading relations already in place prior to this in the region. The Group now has a total of 18 companies and 15 production sites in the Greater China region. Evonik regards Greater China as one of the driving forces of the global economy and we consequently endeavour to grow our business in the region.

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