

Evonik to highlight latest solutions tailored for the Chinese polyurethane markets at PU China 2024

- Portfolio transformation to next-generation sustainable additive solutions based on renewable raw materials
- Latest innovations improve performance and enhance polyurethane foam production while meeting local market demands
- Region's leading polyurethanes exhibition, PU China takes place 17–19 July in Shanghai. Visit Evonik on stand #50

Shanghai, China. Evonik will unveil its latest additives and a wide array of advanced technologies for the polyurethane (PU) industry at PU China 2024 in Shanghai, 17–19 July. As a leading partner to the industry with many decades of experience, Evonik offers a comprehensive additives toolbox of surfactants, catalysts, curatives, performance additives and release agents.

Evonik will debut its new Low Carbon Footprint (LCF) grades at the event, designed to significantly reduce the carbon footprint reduction in formulations. Committed to pioneering a shift to next-generation products and technologies based on renewable raw materials, Evonik is dedicated to enabling its customers and partners to meet the evolving market demands more effectively.

“The pursuit of better living standards among middle-class consumers, coupled with the downstream emphasis on sustainability, are fueling the ongoing demand growth in China,” says Hang Xu, vice president of Evonik's Comfort & Insulation business line in Asia. “By understanding this momentum, we look forward to supporting our local customers with innovations that contribute to a more sustainable PU industry, whilst maintaining superior performance profiles.”

Evonik's key innovation highlights at PU China 2024 include:

- **Low Carbon Footprint PU foams available:** New TEGOSTAB® surfactants for rigid and flexible polyurethane applications based on renewable feedstocks and fully traceable supply

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chains following Essen, Germany site's ISCC Plus certification. These VOC optimized surfactants have an ultra-low cyclic siloxane (D4, D5 and D6) content of <0.1% weight in total, supporting formulators to meet stringent emission targets, whilst still producing high quality foam. The new TEGOSTAB® LCF grades offer a significantly reduced carbon footprint compared to similar surfactants using oil-based carriers.

- **Improved recovery and sustainability for flexible foam:**
ORTEGOL® NOP is an additive designed to assist formulators to include notable quantities of natural oil-based polyols (NOPs) into their flexible foam formulations. The ORTEGOL® 70X series includes a range of additives to improve the recovery of compressed standard flexible foams and NOP containing foams, with reduced curing time before compression.
- **Enhanced efficiency and thermal attributes for rigid foam:**
Evonik has an extensive surfactant and catalyst portfolio, including grades that improve surface quality and enhance thermal insulation properties of both appliance and construction products, thereby increasing energy efficiency. Our DABCO® PT series, are emission-optimized additives for spray foams, enabling safer spraying and faster worker re-entry times. With the latest generation of blowing agents, spray systems may face a series of problems such as the storage stability and dimensional stability of the foam with traditional catalysts. Evonik offers innovative catalyst packages for HFC, HFO and water-based formulations which facilitate VOC reduction as well as improving the chemical stability of the system.
- **Low odor, low emission additives for automotive molded foam:**
Evonik's latest Negligible Emission catalysts and low VOC, low odor surfactants empower formulators to meet stringent VDA 278 emission targets, minimizing VOC exposure for workers and consumers. With ultra-low odor and aldehyde content, TEGOSTAB® B 8742 LO is a high potency surfactant designed for vibration-dampening foams with reduced transmissivity, enhancing passenger dynamic comfort. The product is already

used in the production of car seats by a number of leading Chinese automotive manufacturers.

- **Pioneering solutions for advanced PU applications:** A suite of advanced offerings, engineered to boost the performance of PU materials in CASE, artificial leather and footwear applications will be on display. A variety of products under the POLYCAT® SA, TEGOSTAB® B and KOSMOS® brands improve the properties of PU materials used in electric vehicle batteries, such as structural adhesives, sealants, cushion pads for pouch-type cells, potting foam for cylindrical-type cells, thermal interface material and gap fillers. Our innovative foaming agent ORTEGOL® P2 is set to improve foam stability in waterborne PU artificial leather systems, helping the industry in environmental upgrading.

For more information, visit Evonik's stand #50 in Hall 1, at the Shanghai World Expo Exhibition and Convention Centre from 17–19 July, visit its customer portal ExplorePU or follow the Evonik WeChat account.

About Evonik

Evonik is one of the world leaders in specialty chemicals. The company is active in more than 100 countries around the world and generated sales of €15.3 billion and an operating profit (adjusted EBITDA) of €1.66 billion in 2023. Evonik goes far beyond chemistry to create innovative, profitable, and sustainable solutions for customers. More than 33,000 employees work together for a common purpose: We want to improve life today and tomorrow.

About Specialty Additives

The Specialty Additives division combines the businesses of versatile additives and high-performance crosslinkers. They make end products more valuable, more durable, save more energy and simply better. As formulation experts in fast growing markets such as coatings, mobility, infrastructure and consumer goods, Specialty Additives combines a small amount with a big effect. With its 3,500 employees the division generated sales of €3.52 billion in 2023.

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