News Release

LANXESS at FEICA Conference and Expo,
September 12 – 14, 2018, Riga, Latvia

LANXESS AG
Contact:
Michael Fahrig
Corporate Communications
Spokesperson Trade & Technical Press
50569 Cologne
Germany

Phone +49 221 8885-5041
michael.fahrig@lanxess.com

Low free (LF) isocyanate urethane prepolymers for adhesives and sealants

- **Scientific presentation on Low Free (LF) isocyanate prepolymer chemistry, focused on LF MDI prepolymers with < 0.1 percent free MDI**
- **Low Free prepolymers offer unsurpassed industrial hygiene to meet increasingly strict regulatory requirements**
- **Excellent technical performance, processing and productivity**

Cologne – Specialty chemicals company LANXESS will attend FEICA Conference and Expo in Riga, Latvia, from September 12 to 14, 2018. Technical experts from the LANXESS Urethane Systems business unit will present the latest developments on low free (LF) isocyanate urethane systems for adhesives, sealants, and one component foams (OCF). The company is a leading innovator in the development of low free (LF) isocyanate technology.

On Friday, September 14, at 11:30 the LANXESS experts Ronald M. Emanuel, Jr., Senior Scientist, Global Research and Development, Adhesives and Gerald King, Head of Applications Development, Europe, will speak about “Unique high performance low free (LF) isocyanate urethane prepolymers for adhesives, sealants, and one component foams”. The presentation will provide a deep insight into the low free (LF) isocyanate prepolymer chemistry. “The focus of our development work is to broaden the range of prepolymers with very low free isocyanate content – a key lever to improved industrial hygiene and worker safety,” explains King. Furthermore, there will be a table top exhibition at the event for existing and new customers to meet and talk with LANXESS scientists about how, with LANXESS’s

LF technology and decades of expertise, a product can be customized to meet their needs.

Under the brand name Adiprene LF, unique low free isocyanate urethane prepolymers have been developed for use in adhesives, sealants, and one component foams. The LF technology creates prepolymers with < 0.1 percent free MDI (methylene diphenyl diisocyanate) and other isocyanates such as TDI (toluene diisocyanate), HDI (hexamethylene diisocyanate) or pPDI (*p*-phenylene diisocyanate), providing extraordinary industrial hygiene standards, excellent performance, and improved processing. These prepolymers are particularly suited to address increasingly strict regulatory requirements and provide for final products with lower hazard classifications.

Adiprene LF prepolymers enable the formulators to streamline their manufacturing processes and – with the ability to modify LF prepolymer viscosity to be either high or low – a tailored low free isocyanate prepolymer can be supplied. High viscosity LF prepolymers allow for the use of propellants within certain applications, while low viscosity LF prepolymers allow for minimizing or eliminating the use of solvents. By controlling the chemical structure, these prepolymers offer more consistent processing.

The FEICA Conference and Expo is firmly established as the leading event for the European adhesives and sealants industry, providing essential insights into the key issues affecting the industry, as well as excellent networking opportunities for formulators, customers and raw materials suppliers to discuss the latest trends, innovations, sustainability and technological advances.

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Contact:
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Corporate Communications
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Germany

Phone: +49 221 8885-5041
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Information for editors:
All LANXESS news releases and their accompanying photos can be found at http://press.lanxess.com. Recent photos of the Board of Management and other LANXESS image material are available at http://photos.lanxess.com. TV footage can be found at http://globe360.net/broadcast.lanxess/.

You can find further information concerning LANXESS chemistry in our WebMagazine at http://webmagazine.lanxess.com.

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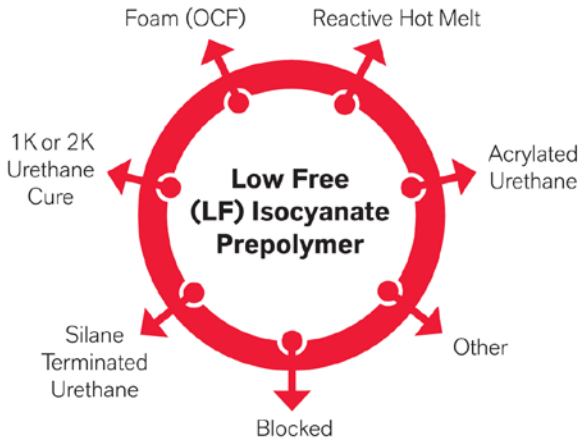

At FEICA Conference and Expo, LANXESS's Urethane Systems business unit presents the technology for new low free (LF) isocyanate MDI prepolymers. They are chemically structured to provide superior performance, including excellent toughness, fatigue resistance, and longer lifetimes when exposed to extreme conditions of temperature and chemicals. The prepolymers are used in a diverse range of adhesives and sealant applications in construction, automotive, electrical, and packaging. Photo: LANXESS AG