

## LANXESS presents new solutions for the tire industry at Tire Technology Expo 2017

- **New unfilled tire inside lubes**
- **Permanently coated bladders**
- **Reinforcement options for tires**

**Cologne** – The LANXESS Rhein Chemie Additives business unit will present a variety of solutions for tire-makers at the Tire Technology Expo from February 14 - 16, 2017 in Hanover, Germany – hall 2, stand C224. This includes its comprehensive portfolio of eco-friendly Rhenodiv tire release agents, Rhenomark tire marking paints, Rhenoshape tire curing bladders and Rhenogran aramid fiber masterbatches.

### **New unfilled tire inside lubes for cleaner tire manufacturing**

Rhein Chemie Additives has developed a new range of unfilled single-release inside lubes for cleaner tire production. New products like Rhenodiv BP-337 and Rhenodiv BP-3091 enable tire producers to apply very low quantities of inside lube onto the green tire. In combination with robotic spraying equipment a precise coating procedure without contamination of tire areas beside the inner liner is assured. The workplace is kept cleaner. As an extra benefit, Rhenodiv BP-337 is based on hydrogen-free crosslinking chemistry.

There is an increasing demand for the absence of migrating silicones in the tire molding process. This is especially the case if a clean, silicone-free tire surface after vulcanization is necessary. Rhein Chemie Additives is responding to this trend with two new single-release inside lubes:

- Rhenodiv BP-166, low-filled, silicone-free
- Rhenodiv BP-9500, unfilled, silicone-free

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### **Rhenoshape tire curing bladders: Automated processes for permanently coated bladders**

Rhein Chemie Additives has been constantly increasing its capacities for Rhenoshape high-performance permanently coated bladders. To ensure quality aspects in accordance with customer requirements, operations at the different bladder production sites have been steadily upgraded with automated processes. Rhenoshape tire curing bladders equipped with Rhenodiv permanent coatings enable tire manufacturers to produce tires without using an additional release agent. This is of special importance for the production of high-value tires such as run-on-flat, sealant and noise-reduced tires – wherever the absence of migrating silicone from traditional release agents is mandatory. Additionally, the spraying operation for green tires, including the collateral contamination of critical tire areas and working areas, becomes obsolete.

### **Rhenogran aramid fiber masterbatches: Versatile mechanical reinforcement options for tires**

Under extreme mechanical, dynamic and thermal stresses, Rhenogran P91-40 provides excellent reinforcement performance for tire compounds. Rhenogran P91-40 incorporates the highly resilient and very lightweight Twaron aramid short-fiber pulp evenly in the rubber compound. In addition to polymers typically used in tires such as NR, IR, BR and SBR, Rhenogran P91-40 is suitable for many other rubber grades including EPDM, CR, NBR and HNBR.

The LANXESS ADD business unit supplies the rubber industry with a broad range of predispersed polymer-bound additives, processing promoters, vulcanization and filler activators, anti-sun check waxes, release agents, tire marking paints and high-performance curing bladders.

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LANXESS is a leading specialty chemicals company with sales of EUR 7.9 billion in 2015 and about 16,700 employees in 29 countries. The company is currently represented at 54 production sites worldwide. The core business of LANXESS is the development, manufacturing and marketing of chemical intermediates, specialty chemicals and plastics. Through ARLANXEO, the joint venture with Saudi Aramco, LANXESS is also a leading supplier of synthetic rubber. LANXESS is listed in the leading sustainability indices Dow Jones Sustainability Index (DJSI World) and FTSE4Good.

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### **Forward-Looking Statements**

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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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