

LANXESS at the Tire Technology Expo: New high-performance additives for the tire industry

- **Vulkanox 4060: a sustainable alternative to the antioxidant 6PPD**
- **Aflux SD improves silica dispersion in tire compounds**
- **Release agents reduce deposits in the production process**
- **Resorcinol-free coupling agent systems optimize the bonding of rubber and reinforcing materials**
- **Innovative, talc-free additives**
- **Tire Technology Expo 2026, March 3 – 5, Hannover, Hall 20, Booth 2050**

Cologne, March 3, 2026 – LANXESS will present new high-performance additives for the tire industry at the Tire Technology Expo 2026 in Hannover. With these solutions, the specialty chemicals company is helping tire manufacturers to stabilize and improve the safety and material efficiency of their processes, reduce their ecological footprint, and enhance the efficiency of modern tires.

Sustainable alternative to 6PPD: Vulkanox 4060

Against the backdrop of stricter regulatory requirements for the antioxidant 6PPD – particularly in the US, but also within the framework of European legislation – LANXESS developed Vulkanox 4060 (N,N'-dicyclohexyl-1,4-phenylenediamine, CCPD) as an alternative with an optimized environmental profile. In tire compounds and finished tires, laboratory and application tests have demonstrated that the product provides comparable protection against oxidative aging.

LANXESS is preparing to register the product in accordance with the European REACH (Registration, Evaluation, Authorization and Restriction of Chemicals) regulation for volumes exceeding

LANXESS AG

Corporate Communications
50569 Cologne
Germany

Contact:

Michael Fahrig
Spokesperson Trade & Technical
Press

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

Page 1 of 5

1,000 tons. Commercial production is scheduled to begin in the middle of the year.

Aflux SD – efficient processing agent for silica dispersion

Aflux SD is a processing agent for silica that improves the flow behavior of compounds and the dispersion of fillers, especially when used with functionalized polymers. This additive is made from sustainable raw materials, is free of Substances of Very High Concern (SVHC), and significantly improves silica dispersion. Among other things, this reduces the Payne effect, i.e., the rolling resistance of tires, their wear resistance, and wet grip are improved.

Regulation as a driver of innovation

Talc is used in the rubber industry as both a release agent and a filler. However, regulatory pressure on talc is increasing. The World Health Organization's International Agency for Research on Cancer (IARC) recently reclassified talc as "probably carcinogenic to humans" (category 2A).

Due to this classification, talc will be listed prominently in the digital product passport, in accordance with upcoming Ecodesign for Sustainable Product Regulation (ESPR) requirements. Consequently, interest in talc-free products is growing within the industry. As a logical consequence, LANXESS now offers the entire Rhenogran and Rhenoslab portfolio talc-free.

Cohedur RA is a safe alternative to resorcinol in coupling agent systems for textiles or steel cord. It contains no resorcinol, disperses easily, and prevents the blooming effects that typically occur with resorcinol-containing products.

LANXESS AG

Corporate Communications
50569 Cologne
Germany

Contact:

Michael Fahrig
Spokesperson Trade & Technical
Press
Phone: +49 221 8885-5041
michael.fahrig@lanxess.com

Solutions for the production process

Rhenodiv BO-3900 Pearls Cool is a mineral-free, cold-water-dispersible batch-off release agent that significantly reduces deposits on plant surfaces. Thanks to its pearl form, the product can be dosed reproducibly and processed completely dust-free. Additionally, Pearls Cool impresses with its sustainable, resource-saving formulation.

The filler-free interior spray solution Rhenodiv BP-338 ensures that the vulcanized tire can be cleanly and without defects removed from the bladder after vulcanization. Although the product is not chemically reactive, it achieves the release effect of reactive systems. It requires significantly less material consumption than conventional solutions, and unlike traditional reactive systems, it does not release hydrogen during processing.

Portfolio for tire production

LANXESS is one of the world's leading providers of rubber additives and system solutions for the rubber processing industry. The product portfolio includes a wide range of additives specifically used in tire compounds. These include vulcanizing agents and rubber additives in pre-dispersed and other delivery forms, processing accelerators, anti-reversion agents, zinc oxide, antioxidants, and mastication agents. The range of release agents comprises granulated batch-off products, interior spray solutions for single and multiple mold release, and bladder coatings. Outside, finishing, and tire marking paints complete the portfolio.

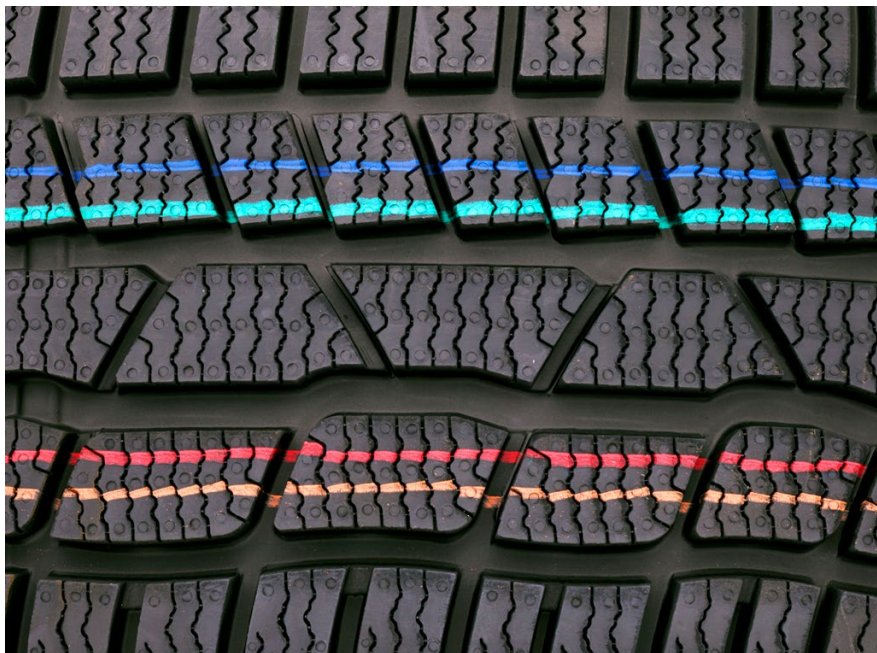
Further information from LANXESS is available at the trade fair and [online](#).

LANXESS AG

Corporate Communications
50569 Cologne
Germany

Contact:
Michael Fahrig
Spokesperson Trade & Technical
Press
Phone: +49 221 8885-5041
michael.fahrig@lanxess.com

Image



Rubber chemicals from LANXESS enable tire manufacturers to make their production processes more stable and material-efficient, reduce their ecological footprint, and make modern tires even more efficient.

Photo: LANXESS

LANXESS AG

Corporate Communications
50569 Cologne
Germany

Contact:
Michael Fahrig
Spokesperson Trade & Technical
Press
Phone: +49 221 8885-5041
michael.fahrig@lanxess.com

Page 4 of 5

LANXESS is a leading specialty chemicals company with sales of EUR 6.4 billion in 2024. The company currently has about 11,800 employees in 32 countries. The core business of LANXESS is the development, manufacturing and marketing of chemical intermediates, additives and consumer protection products. LANXESS has achieved leading positions in the Dow Jones Best-in-Class Index and the MSCI ESG and ISS ESG ratings, among others, for its commitment to sustainability.

Forward-Looking Statements

This information and our technical advice – whether verbal, in writing or by way of trials – is subject to change without notice and given in good faith but without warranty or guarantee, express or implied, and this also applies where proprietary rights of third parties are involved. Our advice does not release you from the obligation to verify the information currently provided - especially that contained in our safety data and technical information sheets - and to test our products as to their suitability for the intended processes and uses. The application, use and processing of our products and the products manufactured by you on the basis of our technical advice are beyond our control and, therefore, entirely your own responsibility. Our products are sold in accordance with the current version of our General Conditions of Sale and Delivery.

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>.

You can find further information concerning LANXESS chemistry at <http://lanxess.com/en/Media/Stories>.

Follow us on X (Twitter), Facebook, LinkedIn and YouTube:

<http://www.x.com/LANXESS>
<http://www.facebook.com/LANXESS>
<http://www.linkedin.com/company/lanxess>
<http://www.youtube.com/lanxess>

LANXESS AG

Corporate Communications
50569 Cologne
Germany

Contact:

Michael Fahrig
Spokesperson Trade & Technical
Press

Phone: +49 221 8885-5041

michael.fahrig@lanxess.com

Page 5 of 5