

## Evonik Catalysts introduces next generation chloride adsorbent Chlorocel™ 909

10 March, 2026

- Chlorocel™ 909 is a mixed metal oxide (MMO) adsorbent designed for catalytic reformer applications
- 15% higher chloride loading capacity than existing MMO alternatives
- Chlorocel™ 909 becomes Evonik Catalysts' fourth addition to its chloride adsorbent portfolio, offering refiners even greater flexibility

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**Essen, Germany:** Evonik Catalysts has launched its latest high performance chloride adsorbent, Chlorocel™ 909, confirming the company's commitment to continued investment in its existing Chlorocel™ product portfolio. This next generation of chloride adsorbent utilizes Evonik's new proprietary blend of mixed metal oxides (MMO) to increase chloride loading by more than 15% versus industry alternatives, while minimizing green oil formation and unwanted side reactions.

Chlorocel™ 909 has been designed to remove inorganic chlorides from catalytic reformer chloride guard beds in vapor or liquid phase applications. Its extrudate design improves particle strength while maintaining equivalent pressure drop. This allows for longer cycle length to reduce downtime, a higher equilibrium volumetric loading capacity, and a shorter mass transfer zone.

"Chlorocel™ 909 doubles the service life when compared to alumina products, and its reduced reload frequency means that less waste is generated over time – reducing maintenance time and disposal costs," said Todd Burkes, Technical Marketing Manager for Adsorbent and Alumina Catalysts, Evonik Catalysts. "Chlorocel™ 909 was created to complement Evonik's existing chloride adsorbents, including our alumina-based Chlorocel™ 901, to offer refiners even greater flexibility."

"With Chlorocel™ 909, we're giving refiners a next generation solution that supports longer cycles, lower waste, and greater operational resilience," said Alexander Weber, Head of Evonik's Catalysts Business Line. "As regulatory and efficiency demands

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increase, advanced MMO adsorbents like Chlorocel™ 909 are becoming essential for future ready refinery operations.”

Optimized for adsorbent density, strength, and pressure drop with extrudate-shaped particles, Chlorocel™ 909 joins Evonik Catalysts’ broader chloride adsorbent range: Chlorocel™ 901 (alumina-based), Chlorocel™ 905 (zeolite-based), and Chlorocel™ RCL (single metal oxide).

The Chlorocel™ portfolio offers flexibility to refiners who are dependent on technology, operational needs, and changing regional regulations.

#### **Company information**

Evonik goes beyond the boundaries of chemistry with its combination of innovative strength and leading technological expertise. The global chemical company, headquartered in Essen, Germany, is active in more than 100 countries and generated sales of €14.1 billion and earnings (adjusted EBITDA) of €1.9 billion in 2025. The common motivation of the approximately 31,000 employees: to provide customers with a decisive competitive advantage with tailor-made products and solutions as a superforce for industry, thereby improving people's lives. In all markets. Every day.

#### **About Custom Solutions**

The Custom Solutions segment focuses on innovation-driven, tailor-made solutions for customers in specific growth markets. These solutions include additives for coatings, adhesives and sealants, polyurethane foams and lubricants, catalysts, and ingredients for the cosmetics, cleaning and pharmaceutical industries. In 2025, the segment generated sales of €5.5 billion with around 9,500 employees.

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