

News Release

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BASF introduces Fourtiva™ Fluidized Catalytic Cracking catalyst to increase high octane gasoline blending feedstock

- **Fourtiva™ is specifically designed for gasoil to mild resid feedstock**
- **Optimized to maximize butylene yields and selectivity while improving naphtha octane, LPG olefinicity and minimizing coke and dry gas**
- **Commercial refinery trials confirmed its superior economic performance**

BASF announced today the commercial launch of Fourtiva™, a new Fluid Catalytic Cracking (FCC) catalyst for gasoil to mild resid feedstock. Fourtiva incorporates BASF's newest Advanced Innovative Matrix (AIM) and the Multiple Frameworks Topology (MFT) technologies to achieve an optimized catalyst design to maximize butylene yields and selectivity over propylene while improving naphtha octane, LPG olefinicity and minimizing coke and dry gas. This helps refiners to produce more valuable products, increase profitability and reduce the carbon footprint of the FCC unit.

BASF's Fourtiva selectively incorporates AIM and MFT technologies into the catalyst design to meet a broad range of performance targets and applications. The AIM technology enhances the performance of the FCC catalysts through the optimal matrix acidity and activity, improved pore size distribution, and matrix-zeolite interaction to enable coke selectivity. Combining AIM technology with MFT technology creates a unique catalyst which can help refiners improve margins and provide the operating flexibility needed to quickly react to market changes.

“Commercial trials have confirmed the ability of Fourtiva to deliver superior economic performance which helps refiners increase their profitability,” said Detlef Ruff, Senior Vice President process catalysts at BASF. “The creative combination of BASF’s AIM and MFT technologies make Fourtiva a great example of our innovative spirit and dedication to substantially add value for our customers.”

“BASF continues to rapidly respond to customers’ needs,” said Alex Attlesey, Vice President refining catalysts at BASF. “Our customers gave us the feedback that they needed a catalyst to maximize butylene yields and selectivity. Fourtiva directly addresses this need by helping them to maximize high octane gasoline blending feedstock.”

About BASF process catalysts

BASF is a leading global manufacturer of catalysts for the chemical industry, with solutions across the chemical value chain. The business comprises chemical catalysts and adsorbents, refinery catalysts and custom catalysts. In the process catalysts business, priority is given to developing new and improved products that enable the chemical industry transformation to net-zero emissions.

The division’s portfolio also includes battery materials and recycling solutions, as well as environmental catalysts and metal solutions. Customers from a variety of industries including Automotive & Transportation, Chemicals, Plastics or Energy & Resources benefit from our innovative solutions. Further information on BASF’s Catalysts division is available on the Internet at www.catalysts.basf.com.

About BASF

At BASF, we create chemistry for a sustainable future. We combine economic success with environmental protection and social responsibility. Around 112,000 employees in the BASF Group contribute to the success of our customers in nearly all sectors and almost every country in the world. Our portfolio comprises six segments: Chemicals, Materials, Industrial Solutions, Surface Technologies, Nutrition & Care and Agricultural Solutions. BASF generated sales of €68.9 billion in 2023. BASF shares are traded on the stock exchange in Frankfurt (BAS) and as American Depositary Receipts (BASFY) in the United States. Further information at www.basf.com.