

News Release

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BASF announces series of new product innovations in its selective hydrogenation catalysts portfolio

- **New palladium alumina catalysts offer superior activity and tolerance to sulfur impurities**
- **New PTA catalyst CBA-250 with significantly lower Palladium content**

A new series of commercially proven alumina catalysts is now available with new performance features that can benefit selective hydrogenation applications such as first stage PYGAS or selective hydrogenation of dienes in C4 olefin streams. This new series of Pd on spherically shaped E15x catalysts replaces the E14x series of Pd alumina catalysts which have been used commercially for over thirty years in selective hydrogenation applications.

The new series of alumina supported catalysts offers better activity and tolerance to poisons such as sulfur due to higher Pd dispersion. The catalysts are also very uniform in size and shape which helps to prevent mal-distribution of feed in fixed bed reactor applications. This new series of selective hydrogenation catalysts is available with Pd contents ranging from 0.15 to 0.75 % Pd and can be produced in BASF plant sites in Europe and the United States as well.

Another innovation is the new purified terephthalic acid (PTA) catalyst CBA-250 which offers lower Pd content compared to the standard commercial PTA catalysts CBA-300 and CBA-400 as well as standard competitive PTA catalysts which have much higher Pd

contents. The lower Pd content makes CBA 250A commercially attractive and easy to adopt as it is formulated to be equivalent to standard commercial PTA catalysts.

“BASF continues to drive innovation to help our customers be more successful and the new selective hydrogenation catalysts offer is creating exceptional value for our customers,” says Detlef Ruff, Senior Vice President, Process Catalyst at BASF.

“We are looking forward to sharing more information on the new product offer with our customers during the upcoming virtual European Petrochemical Associations Conference (EPCA) from October 5-7,” says Adrian Steinmetz, Vice President, Chemical Catalysts at BASF, “We have set up webinars that can also be found on our selective hydrogenation catalysts website.”

About BASF’s Catalysts Division

BASF’s Catalysts division is the world’s leading supplier of environmental and process catalysts. The group offers exceptional expertise in the development of technologies that protect the air we breathe, produce the fuels that power our world and ensure efficient production of a wide variety of chemicals, plastics and other products, including advanced battery materials. By leveraging our industry-leading R&D platforms, passion for innovation and deep knowledge of precious and base metals, BASF’s Catalysts division develops unique, proprietary solutions that drive customer success. Further information on BASF’s Catalysts division is available on the Internet at www.catalysts.basf.com.

About BASF

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