

BASF Tri-Metal Catalysts

For gasoline engines

A leader in clean air technology, BASF has unsurpassed expertise in the development of customized catalysts for a wide range of applications that protect the air we breathe.

BASF has successfully commercialized an innovative Tri-Metal Catalyst technology that enables partial substitution of high-priced palladium with lower-priced platinum in light-duty gasoline vehicles without compromising emissions standards.

Adoption of the Tri-Metal Catalyst can reduce catalytic converter costs for automakers and partially rebalance market demand for Platinum Group Metals (PGMs), enhancing PGM market sustainability and providing greater PGM price stability.

To date, this new technology has successfully met technical customer specifications during extensive development and testing undertaken by BASF. It will begin to appear on vehicles around the world in model year 2021.

Results

- Innovative technology enables partial substitution of palladium with platinum, enabling a reduction in catalytic converter costs and partially alleviating sustained palladium deficits.
- Tri-Metal Catalyst technology enables greater supply certainty for our customers and can reduce their costs.
- When there is a challenge in the marketplace, customers can count on BASF to deliver innovative solutions to meet their needs.



About Us

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.

BASF - We create chemistry

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