

News Release

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BASF introduces PuriCycle® portfolio of catalysts and adsorbents to enable plastics recycling

- **PuriCycle® comprises novel catalysts and adsorbents solutions**
- **Technology designed to selectively remove impurities from pyrolysis oils derived from plastic waste**
- **Portfolio helps to enable plastics circularity**

BASF launches PuriCycle®, a new line of advanced high-performance products for the purification of most complex waste plastics pyrolysis feeds. The PuriCycle portfolio includes novel catalysts and adsorbents developed to selectively remove or convert a wide range of impurities in pyrolysis oils and enable downstream processing of circular plastics streams. PuriCycle can help customers meet industry compositional compliance standards, benefit from high efficiency purification and upgrading solutions, and increase their flexibility in the chemical recycling process of plastics.

PuriCycle purifies pyrolysis oils, a secondary raw material obtained from the chemical recycling of plastic waste that is fed into the production process for new plastics at the beginning of the value chain. Purification of pyrolysis oils obtained from waste plastics is among the most demanding technical tasks in chemical plastics recycling. Impurities, such as halogen, nitrogen, oxygen and sulfur compounds but also higher levels of reactive components such as dienes, complicate the downstream use and impose strict limitations on the further processing of such streams in the production of new materials.

“With our PuriCycle portfolio, we are in a very strong position to make a difference in chemical plastics recycling and to enable plastics circularity. The ability of the PuriCycle products to purify the most challenging pyrolysis oil streams is a major contribution to help closing the plastics loop, minimizing waste and ultimately opening up new feedstocks for the chemical industry”, said Detlef Ruff, Senior Vice President, Process Catalysts at BASF.

Please find more information on PuriCycle on our newly launched website under www.catalysts.basf.com/puricycle.

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

At BASF, we create chemistry for a sustainable future. We combine economic success with environmental protection and social responsibility. Around 111,000 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 €78.6 billion in 2021. BASF shares are traded on the stock exchange in Frankfurt (BAS) and as American Depositary Receipts (BASFY) in the U.S. Further information at www.basf.com.