

Albemarle Introduces Next Generation KF 774 PULSAR™ Clean Fuels Catalyst for Middle Distillates Hydrotreating

- *Leverages the core technology of the PULSAR™ catalyst platform*
- *Provides extended HDS, HDN, and Aromatic Saturation activity and additional stability for medium and medium-to-high pressure diesel hydrotreaters*
- *Newest next-generation Clean Fuels Technology catalyst*

CHARLOTTE, N.C., November 17, 2021 - Albemarle Corporation (NYSE: ALB), a leader in the global specialty chemicals industry, today announced the commercial availability of its next-generation KF 774 PULSAR™ hydrotreating catalyst.

“Our Clean Fuels Technology helps power the potential of the world’s refiners that support industries critical to the global economy,” said Raphael Crawford, President, Catalysts.

“Customer needs continue to evolve, and they look to Albemarle to provide solutions today that will meet their future challenges. KF 774 PULSAR™ is our newest in a growing family of Clean Fuels Technology catalysts developed to solve those customer challenges.”

Catalyst development is a continuous and collaborative process. KF 774 PULSAR™, developed together with Albemarle’s Joint Venture, Nippon Ketjen, is a catalyst that utilizes a novel active phase technology with extremely high metals dispersion and efficiency that provides added flexibility in today’s refinery operations. The catalysts in the PULSAR™ family, KF 787 and KF 774, can be used in combination as part of Albemarle’s STAX® capability to tailor performance to specific refinery operational needs.

“As a catalyst technology leader and innovator, Albemarle routinely gets tough questions with high expectations from our customers,” Crawford said. “We welcome the challenges by our refining partners to develop Clean Fuels Technologies that will benefit the environment today and tomorrow. That customer understanding and the tenacity of our scientists, researchers and operators has resulted in another novel, creative solution.”

KF 774 PULSAR™ is Albemarle’s and Nippon Ketjen’s newest next-generation Catalyst Technology introduction. Earlier, Albemarle introduced next generation ACTION+ Catalyst Technology, which provides maximum LPG olefinicity with unrivaled butylene/propylene selectivity and preserves those species which maximize gasoline octane in an FCC/FCCU.

Inquiries regarding KF 774 PULSAR™, KF 787 PULSAR™, and/or Albemarle’s comprehensive suite of Catalyst Technologies should be directed to Albemarle representatives online at <https://www.albemarle.com/catalysts/>.

About Albemarle

Albemarle Corporation (NYSE: ALB) is a global specialty chemicals company with leading

positions in lithium, bromine and catalysts. We think beyond business as usual to power the potential of companies in many of the world's largest and most critical industries, such as energy, electronics, and transportation. We actively pursue a sustainable approach to managing our diverse global footprint of world-class resources. In conjunction with our highly experienced and talented global teams, our deep-seated values, and our collaborative customer relationships, we create value-added and performance-based solutions that enable a safer and more sustainable future.

We regularly post information to www.albemarle.com, including notification of events, news, financial performance, investor presentations and webcasts, non-GAAP reconciliations, SEC filings and other information regarding our company, its businesses, and the markets it serves.

About Nippon Ketjen

Nippon Ketjen Co. Ltd. is a Joint Venture of Albemarle and Sumitomo Metal Mining Co. Ltd, founded in 1970. Its marketing and sales divisions are headquartered in Tokyo, and R&D and HPC/EUR production plants are located in Niihama, Ehime prefecture in Japan. The company sells the most advanced hydroprocessing catalysts to the oil refining industries in Asia Pacific and Oceania regions. It jointly develops the leading-edge catalytic technologies with Albemarle while leveraging the world-class talents and intellectual properties, able to provide the unique value-added solutions to the refiners worldwide.

For more details, visit www.nippon-ketjen.co.jp/en or call at +81 3 5442 5061

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