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Grace Licenses UNIPOL® PP Process Technology To Hengli Petrochemical Refinery Co. in Dalian, China

COLUMBIA, Md., June 13, 2017 (GLOBE NEWSWIRE) -- W. R. Grace & Co. (NYSE:GRA), the world's leading supplier of polyolefin catalyst technology and polypropylene (PP) process technology, contracted to license its UNIPOL® PP process technology to Hengli Petrochemical (Dalian) Refinery Co. Ltd., a subsidiary of Hengli Group. The installation will be made at the company's facility in Dalian, Liaoning province, China, and is expected to begin operations in 2019 using Grace's leading SHAC® Ziegler Natta PP catalysts.

Hengli Petrochemical's PP unit is part of its new refinery complex designed to process 20 million tons of crude oil annually. The facility will produce a total of 450 kilotons per year of homopolymer, random copolymer, and impact copolymer thermoplastic resins in dual reactor lines. The project is one of 22 UNIPOL® PP process technology reactor line licenses in China.

Grace's UNIPOL® PP process technology is an all gas-phase technology with the industry's broadest product capabilities coupled with stable and predictable operation. UNIPOL® PP process technology is the simplest of all PP process technologies, with fewer moving parts and less equipment than any competing alternative. This leads to lower capital, operating, and maintenance costs while maximizing reliability. Although mechanically simple, the technology enables the production of the broadest, most advanced homopolymers, random copolymers, and impact copolymers in the industry.

Hengli Corporation's Vice Chairman Chen Xinhua said, "Grace's UNIPOL® PP process and SHAC® catalyst system offers us the most advanced PP product capacity available, and provides the most cost-effective technology to rapidly develop our portfolio of products."

Al Beninati, President of Grace's Specialty Catalysts business segment, said, "Grace is proud to partner with Hengli Petrochemical and continue our record of service to customers in China. We believe this represents more evidence that our industry-leading process technology and catalysts technologies combine to provide our customers unparalleled flexibility to deliver the resins that are in highest demand."

Visit [Grace's website](#) for more information about [Grace polyolefin catalysts](#) and [process technology](#).

About Grace's UNIPOL® PP Technology

Grace is the leading supplier of polyolefin catalyst technology and has the broadest portfolio of polyolefin catalyst technologies of any independent polyethylene/polypropylene catalyst producer. Grace's industry-leading UNIPOL® PP licensing and related catalysts include the UNIPOL UNIPPAC® Process Control software, SHAC® Catalysts Systems, and 6th Generation non-phthalate CONSISTA® Catalysts Systems.

About Grace

Built on talent, technology, and trust, Grace is a leading global supplier of catalysts and engineered materials. The company's two industry-leading business segments—Catalysts Technologies and Materials Technologies—provide innovative products, technologies, and services that enhance the products and processes of our customer partners around the world. With approximately 3,700 employees, Grace operates and/or sells to customers in over 60 countries. More information about Grace is available at [grace.com](#).

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This announcement contains forward-looking statements, that is, information related to future, not past, events. Such statements generally include the words "believes," "plans," "intends," "targets," "will," "expects," "suggests," "anticipates," "outlook," "continues," or similar expressions. Forward-looking statements include, without limitation, expected financial positions; results of operations; cash flows; financing plans; business strategy; operating plans; capital and other expenditures; competitive positions; growth opportunities for existing products; benefits from new technology and cost reduction initiatives, plans and objectives; and markets for securities. For these statements, Grace claims the protection of the safe harbor for forward-looking statements contained in Section 27A of the Securities Act and Section 21E of the Exchange Act. Like other businesses, Grace is subject to risks and uncertainties that could cause its actual results to differ materially from its projections or that could cause other forward-looking statements to prove incorrect. Factors that could cause actual results to materially differ from those contained in the forward-looking statements include, without limitation: risks related to foreign operations, especially in

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