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Zeolyst International and Valoregen Announce Strategic Development Program for Advanced Plastic Recycling Technologies

MALVERN, Pa.--(BUSINESS WIRE)-- Zeolyst International, an Ecovyst Inc. (NYSE: ECVT) joint venture that is a leading producer of zeolites ("Zeolyst"), and Valoregen, a leading innovator of recycling technologies, proudly announce their cooperation for the development of advanced recycling technologies utilizing Zeolyst International's portfolio of Opal Infinity™ Zeolites. Through this collaboration, Zeolyst International and Valoregen are focused on the development of efficient and cost-effective solutions for plastic waste recycling necessary to support the further expansion of the plastic circular economy.

This press release features multimedia. View the full release here:
<https://www.businesswire.com/news/home/20230719766860/en/>

Zeolyst's Opal Infinity™ portfolio of zeolites leverage Zeolyst International's proprietary Zeolite know-how and its ability to customize differentiated solutions for customer-specific applications. Through the development of tailored solutions, Zeolyst International's technologies enable higher yields and selectivity, supporting the production of value-adding products. The unique characteristics of Zeolyst International's broad technology offering are highly compatible with Valoregen's cutting-edge technology portfolio. Through this collaborative effort, the companies will aim to enhance the overall efficiency and economic attractiveness of Valoregen's advanced plastic recycling processes, a key enabler for plastic circularity around the world.

"We believe that partnership and close collaboration with our customers is essential in the development of value-enhancing technologies. We have an exceptional opportunity to help our customers meet the evolving clean energy and plastic circularity needs of the global economy," said Lucy Innes, Vice President of Sales and Marketing for Zeolyst International. "Our joint work with Valoregen is extremely exciting and we look forward to demonstrating the value of our Zeolite technology in their advanced plastic recycling process."

"Valoregen, with its unique patent-protected R-LowGen technology, aims to become the world's leading carbon-neutral recycler of flexible plastics. Our disruptive technology is based on the principle of isothermal conversion using catalysts. The catalyst used is an integral part of our unique recycling process, and the partnership with Zeolyst International, a major supplier in this field, will offer our company significant opportunities to improve performance and economic efficiency. We are very pleased with this collaboration, which will enable us to move forward quickly on plastics circularity" said Thierry Perez, Founder and President of Valoregen

About Ecovyst Inc.

Ecovyst Inc. and subsidiaries is a leading integrated and innovative global provider of specialty catalysts and services. We support customers globally through our strategically located network of manufacturing facilities. We believe that our products, which are predominantly inorganic, and services contribute to improving the sustainability of the environment.

We have two uniquely positioned specialty businesses: **Ecoservices** provides sulfuric acid recycling to the North American refining industry for the production of alkylate and provides on-purpose virgin sulfuric acid for water treatment, mining, and industrial applications; and **Catalyst Technologies** provides finished silica catalysts and catalyst supports necessary to produce high strength and high stiffness plastics and, through its Zeolyst joint venture (a 50/50 joint venture between Ecovyst Inc. (NYSE: ECVT) and Shell Catalysts & Technologies), supplies zeolites used to manufacture catalysts used across applications including petrochemical refining, sustainable fuel production, emission control systems and plastic circularity. For more information, see our website at <https://www.ecovyst.com>.

About Valoregen

Valoregen is a French company. Convinced that we must act quickly in respect of future generations, we are committed to developing concrete, agile and contributory solutions for the circular economy of plastics. We believe in taking a holistic approach, rethinking the way we design, use, and recycle plastic packaging. By investing in research and development, we offer innovative industrial solutions that promote the responsible use of resources and minimise our carbon footprint. Valoregen located in Damazan, France will have an initial production capacity of 28 mt/year. Production is expected to start in 2023. This project, with an investment of around €17 million will eventually create locally 45 direct and 20 indirect jobs. For more information, please visit Valoregen.com.

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