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ChiralVision and Ecovyst Sign Memorandum of Understanding to Advance Enzyme Immobilization Technologies

MALVERN, Pa., Feb. 4, 2025 /PRNewswire/ -- Ecovyst Inc. (NYSE: ECVT), a leading integrated and innovative global provider of advanced materials, specialty catalysts, sulfuric acid and regeneration services ("Ecovyst"), and ChiralVision B.V., a leading innovator of biocatalysis-based technologies ("ChiralVision") are pleased to announce the signing of a Memorandum of Understanding (MOU) to enhance collaboration in the field of enzyme immobilization. This partnership is expected to leverage the unique expertise of both companies to drive innovation and efficiency in industrial biocatalysis.



Ecovyst, a leading material science and advanced silicas innovator and manufacturer, brings its extensive experience in developing high-quality, robust materials for advanced applications. ChiralVision, renowned for its expertise in support functionalization and enzyme immobilization, provides innovative solutions that enhance biocatalytic performance in industrial processes.

By combining their strengths, ChiralVision and Ecovyst aim to develop cutting-edge technologies that improve the efficiency and sustainability of enzyme-based processes. This collaboration represents a significant step toward delivering high-performance solutions for industries seeking to optimize biocatalysis for a greener and more sustainable future.

"For almost two decades, ChiralVision has been successful in deploying its expertise in enzymatic process development using tailored immobilized biocatalysts. Biocatalysis, and in particular enzyme immobilization, is the key to economical and sustainable commercial production. Through the collaboration with Ecovyst, one of the largest and most innovative advanced materials and specialty catalysts manufacturers in the world, we can support larger and more complex development projects and let our commercial scale production of immobilized enzymes grow further. We are eager to take this step and strengthen the current partnership," Said Dr. Rob Schoevaart, Managing Director, ChiralVision.

"We are thrilled to collaborate with ChiralVision on the development of immobilized

enzymes, which represent a groundbreaking advancement in sustainable and efficient catalysis," said Paul Whittleston, President of Advanced Materials & Catalysts at Ecovyst. "This partnership perfectly aligns with Ecovyst's commitment to drive innovation through material science expertise. Our deep knowledge of silica technology and ability to tailor its properties for specific applications have played a crucial role in optimizing the immobilization process, enabling improved enzyme stability and performance. Together with ChiralVision, we are shaping solutions that meet the growing demand for greener, more cost-effective industrial processes."

This strategic collaboration underscores both companies' commitment to advancing sustainable and efficient industrial processes.

About ChiralVision (<https://www.chiralvision.com/>)

ChiralVision develops technology that helps to build a greener and energy efficient future. The current shift in the industry to become independent of fossil oil and to switch to a raw materials matrix that is renewable and biobased will lead to products and a society that are in balance with the environment and allow for sustainable growth. This shift is actively supported by our efforts, which puts ChiralVision in the heart of future developments.

Dedicated to the application of biocatalysis, ChiralVision was founded in 2006, privately funded with headquarters in the Netherlands. We develop biocatalysis-based technologies and solutions and supply off-shelf (immobilized) enzymes, enzyme carriers, chiral molecules and custom products. We help to develop new and proprietary solutions for various applications, or take your existing technology and develop a scalable process. Protein and more specific enzyme immobilization technology using various carrier materials and enzymatic process development make their application feasible, which permits innovations in chiral pharma, chiral intermediates, life sciences, cosmetics, food, feed, biofuels, environment and more.

For more information:

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About Ecovyst (www.ecovyst.com):

Ecovyst Inc. and subsidiaries is a leading integrated and innovative global provider of advanced materials, specialty catalysts, sulfuric acid and regeneration 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: Advanced Materials & Catalysts, through its Advanced Silicas business, provides finished silica catalysts, catalyst supports and functionalized silicas necessary to produce high performing plastics and to enable sustainable chemistry, and through its Zeolyst joint venture, innovates and supplies specialty zeolites used in catalysts that support the production of sustainable fuels, remove nitrogen oxides from diesel engine emissions and that are broadly applied in refining and petrochemical process. Ecoservices provides sulfuric acid recycling to the North American refining industry for the production of alkylate and provides high quality and high strength virgin sulfuric acid for industrial and mining applications. Ecoservices also provides

chemical waste handling and treatment services, as well as ex-situ catalyst activation services for the refining and petrochemical industry.

For more information, see our website at <https://www.ecovyst.com>.

Note on Forward-Looking Statements

Some of the information contained in this press release constitutes "forward-looking statements." Forward-looking statements can be identified by words such as "anticipates," "intends," "plans," "seeks," "believes," "estimates," "expects," "projects," "aims" and similar references to future periods. Forward-looking statements are based on our current expectations and assumptions regarding our business, the economy and other future conditions. Because forward-looking statements relate to the future, they are subject to inherent uncertainties, risks and changes in circumstances that are difficult to predict. We caution you, therefore, against relying on any of these forward-looking statements. They are neither statements of historical fact nor guarantees or assurances of future performance. These forward-looking statements speak only as of the date of this release. We undertake no obligation to update any forward-looking statement, whether as a result of new information, future developments or otherwise, except as may be required by applicable law.

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