

ADM Joins Forces with LG Chem to Develop Sustainable Technology for Superabsorbent Polymers Used in Diapers

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[Archer Daniels Midland Company](#) (NYSE: ADM) and LG Chem today announced a joint development agreement to create biobased acrylic acid, a foundational element required in the manufacture of superabsorbent polymers (SAP) used in a range of hygiene products, including diapers.

“The acrylic acid project is another effort from ADM to create new sustainable materials from renewable resources, and demonstrates our strong commitment to support customer demand through innovation,” said ADM senior vice president and Chief Technology Officer Dr. Todd Werpy. “By tackling this challenge with LG Chem, we can leverage the strengths and expertise of both companies to bring a cost-effective, sustainable solution to our customers.”

“As customers focus more and more on sustainable alternatives, ADM is looking to continually push the envelope and find new ways to diversify our product mix,” said Chris Cuddy, president, Carbohydrate Solutions for ADM. “We currently produce about 30 different products from a kernel of corn, and we’re eager to explore the possibilities provided through biobased acrylic acid.”

“This joint development agreement with ADM has enabled LG Chem to further expand our business portfolio with eco-friendly products that can achieve sustainable growth,” said Okdong Son, the President of LG Chem. “We are excited to drive research and development of sustainable materials based on bio resources, along with our advanced strengths in conventional petrochemicals business.”

Under the terms of this agreement, ADM and LG Chem, one of the world’s leading manufacturers of acrylic acid, will work jointly towards economically viable commercial production of a 100% biobased acrylic acid using ingredients from ADM corn processing. Although there is growing industry demand for products developed from renewable materials, acrylic acid is currently produced almost exclusively from petrochemicals. To support production, LG Chem plans to review the construction of a bio-SAP production plant in North America, and to explore additional bio plastic business opportunities.

Sustainable innovation is not new to ADM. In 2018, ADM and DuPont opened the world’s first production facility for biobased FDME. Using ingredients from ADM corn processing, FDME is a product that both extends product shelf life and reduces the amount of plastic needed in carbonated beverage packaging. In response to consumer demand for environmentally responsible products, many consumer packaged goods companies have committed to more sustainable packaging, including the use of biobased materials.

About LG Chem

LG Chem, Ltd. is Korea’s largest diversified chemical company which operates four main business units: Petrochemicals, Energy Solution, Advanced Materials, Life Sciences. The chemical business manufactures a wide range of products, from petrochemical goods to high-value added plastics. It also extends its chemical expertise into high-tech areas such as rechargeable batteries, electronic materials and drugs & vaccines. LG Chem is also one of the world’s largest lithium-ion battery manufacturers with significant market share in consumer, automotive and stationary applications. Throughout multiple production facilities and an extensive distribution network, LG Chem strives to become a leading global company. For more information, please visit the LG Chem website at www.lgchem.com.

About ADM

For more than a century, the people of [Archer Daniels Midland Company](#) (NYSE: ADM) have transformed crops into products that serve the vital needs of a growing world. Today, we're one of the world's largest agricultural processors and food ingredient providers, with approximately 40,000 employees serving customers in nearly 200 countries. With a global value chain that includes approximately 450 crop procurement locations, more than 330 food and feed ingredient manufacturing facilities, 62 innovation centers and the world's premier crop transportation network, we connect the harvest to the home, making products for food, animal feed, industrial and energy uses. Learn more at www.adm.com.

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