



Corbion

PRESS RELEASE

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ECO profile of Luminy® PLA now available to product designers

Gorinchem – To support product designers TotalEnergies Corbion has enabled Sphera's Product Sustainability (formerly GaBi) database users to access the Luminy® PLA ecological product profile. The ECO profile allows designers to quantify the environmental impact PLA in product design and production choosing Luminy® PLA.

Sphera's Product Sustainability software is the world's leading Life Cycle Assessment (LCA) modelling and reporting software with intuitive data collection and result analytics. LCA is a scientific based technique that allows optimizing the environmental impact of a product, through a comprehensive assessment of its lifecycle. From extraction of a raw material to its disposal or preparation for reuse, all relevant environmental impacts are considered, as far as quantifiable. Sphera's Product Sustainability database has by far the largest Lifecycle Inventory (LCI) data industry coverage worldwide. Also, regionalized water and land use data are included throughout.

"The detailed analysis of scenarios in the production and end-of-life phase enables our customers to choose the most sustainable solution for their products. Making our LCA data available in the leading databases will give access to our data to every Sphera LCA Software user globally. All users will be able to add our data to their own modelling to complete their view on the environmental impacts of their supply chain," says François de Bie, Senior Marketing and Supply Chain Director at TotalEnergies Corbion. He adds, *"Now producers and brandowners are quickly able to quantify the Green House Gas emissions saving that a conversion to biobased Luminy PLA will bring for their products. Such "cradle to grave" analyses are helpful to comply with the latest EU Taxonomy regulations and allow brandowners to make credible claims about the CO2 reductions".*

Mike Zamis, Sphera's chief product officer, added, *"Sphera's Product Sustainability database is built on primary industry data and provides a proven, science-based environmental data foundation, which is crucial for enabling businesses to make informed decisions for sustainable product solutions. Sphera's Product Sustainability databases provide a robust, reliable foundation for every ESG and sustainability program."*

Informed decision-making in production, setup and design will contribute to achieving sustainability goals across industries. Sphera's Product Sustainability databases provide explicit knowledge of the product's environmental performance through scenario analysis. This is an important tool to meet today's market expectations and for the contribution of product designers to tackling environmental concerns. TotalEnergies Corbion believes in an unbiased and transparent reporting of the environmental impact of its PLA resins.

END PRESS RELEASE

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Sphera is the leading provider of Environmental, Social and Governance (ESG) performance and risk management software, data and consulting services focusing on Environment, Health, Safety & Sustainability (EHS&S), Operational Risk Management and Product Stewardship. For more than 30 years, we have served over 3,000 customers and a million-plus users in 80 countries to help companies keep their people safe, their products sustainable and their operations productive. Sphera's Product Sustainability software combines the world's leading Life Cycle Assessment (LCA) modelling and reporting software, content databases with intuitive data collection and reporting tools. Learn more about Sphera at www.sphera.com. Follow Sphera on [LinkedIn](#).

About TotalEnergies Corbion

TotalEnergies Corbion (formerly known as Total Corbion PLA) is a global technology leader in Poly Lactic Acid (PLA) and lactide monomers. PLA is a biobased and biodegradable polymer made from annually renewable resources, offering a reduced carbon footprint versus many traditional plastics. The Luminy® PLA portfolio, which includes both high heat and standard PLA grades, is an innovative material that is used in a wide range of markets from packaging to consumer goods, fibers and automotive. TotalEnergies Corbion, headquartered in the Netherlands, operates a 75,000 tons per year PLA production facility in Rayong, Thailand and has recently announced the intention to build a second plant in Grandpuits, France. The company is a 50/50 joint venture between TotalEnergies and Corbion. www.totalenergies-corbion.com

About TotalEnergies

TotalEnergies is a global multi-energy company that produces and markets energies on a global scale: oil and biofuels, natural gas and green gases, renewables and electricity. Our 105,000 employees are committed to energy that is ever more affordable, cleaner, more reliable and accessible to as many people as possible. Active in more than 130 countries, TotalEnergies puts sustainable development in all its dimensions at the heart of its projects and operations to contribute to the well-being of people. www.totalenergies.com

About Corbion

Corbion is the global market leader in lactic acid and its derivatives, and a leading supplier of emulsifiers, functional enzyme blends, minerals, vitamins, and algae ingredients. We use our unique expertise in fermentation and other processes to deliver sustainable solutions for the preservation of food and food production, health, and our planet. For over 100 years, we have been uncompromising in our commitment to safety, quality, innovation and performance. Drawing on our deep application and product knowledge, we work side-by-side with customers to make our cutting-edge technologies work for them. Our solutions help differentiate products in markets such as food, home & personal care, animal nutrition, pharmaceuticals, medical devices, and bioplastics. In 2020, Corbion generated annual sales of € 986.5 million and had a workforce of 2,267 FTE. Corbion is listed on Euronext Amsterdam. www.corbion.com

TotalEnergies Corbion

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