

Borealis introduces Borvida™, a portfolio of circular base chemicals, to feed a future that is circular in both plastic and in carbon

- The Borvida™ portfolio introduces sustainable base chemicals to Borealis' range of product offering
- The range will initially be based on non-food waste biomass, and chemically-recycled waste; in the future it will also draw from atmospheric carbon capture
- The traceability of the content will be based on Mass Balance, which is ISCC PLUS certified
- This is the next step in an ambitious sustainability journey, which will see Borealis move away from traditional fossil-based feed

Borealis is strengthening its **EverMinds™** circular product offering with **Borvida™**, a range of sustainable base chemicals.

The Borvida portfolio will offer base chemicals or cracker products (such as ethylene, propylene, butene and phenol) with ISCC Plus-certified sustainable content from Borealis sites in Finland, Sweden and Belgium. The move is part of Borealis' broader commitment to a Future-Positive Revolution, in which the unrivalled benefits of base chemicals and polymers can be enjoyed at minimal impact to the planet.

"We are committed to helping to solve the climate crisis through offering credible and sustainable solutions," explains Thomas Van De Velde, Borealis Senior Vice President Hydrocarbons & Energy. "With the Borvida portfolio, we're enabling our customers to respond to the growing market demand for sustainably-produced base chemicals without compromising on quality or efficiency. With launching our Borvida portfolio, we are continuously striving towards reinventing essentials for sustainable living."

The portfolio will initially comprise Borvida B, from non-food waste **biomass**, and Borvida C, from **chemically-recycled** waste. In the future, the range will evolve to include Borvida A, sourced from **atmospheric** carbon capture. Borvida is complementary and is the building block to **Bornewables™**, a portfolio of polyolefins based on renewably-sourced second generation feedstocks, and **Borcycle™**, which offers circular polyolefins produced from mechanically- and chemically-recycled plastic waste.

Borealis produces a wide range of base chemicals for use in numerous industries based on various feedstock, such as naphtha, butane, propane and ethane. Through its olefin units (steam cracker and propane dehydrogenation), it converts these into the building blocks of the chemical industry: ethylene, propylene and C4 hydrocarbons (butylenes, ethyl tertiary-butyl ether (ETBE) and butadiene), and C5-6 hydrocarbons (pygas, phenol) among others.

The basis of the Borvida portfolio is **Mass Balance**, a Chain of Custody model that enables sustainable content to be tracked, traced, and verified through the entire value chain, offering sustainability-assured products from feedstock to end product. Using this model, circular alternatives can be offered in a cost-effective and environmentally-conscious way, which can be scaled up quickly without compromising on quality or efficiency.

Borvida can be used for a wide range of different polymer and chemical applications, also beyond polyolefins (PO). Non-PO polymers, such as polycarbonates, acrylonitrile butadiene styrene (ABS), super absorbant polymer (SAP) and other chemicals, are utilised for various end applications including coatings, plasticizers, adhesives, automotive, electronics, lubricants, detergents, appliances and sports equipment.

Together with key strategic partners, including Neste and Covestro, Borealis strives to provide a long-term solution in order to allow value-chain partners to meet their sustainability goals. Borvida will enable our customers to increase the sustainability of their products, keeping them ahead of forthcoming legislative changes, and meeting their customers' demands for climate-conscious products.

Introduced on a smaller scale in early 2020, early renewable base chemicals customers include **Covestro**. "The use of alternative sustainable raw materials is one important pillar of our strategic ambition to become fully circular", comments Frank Dörner, Managing Director Covestro Procurement Services GmbH & Co. KG. "The new product line is a good example for joint solutions, another strategic pillar, in order to establish new and reliable supply chains creating benefits for our customers."

"Circularity is the key to more sustainable polymers and chemicals," says Jeroen Verhoeven, Vice President Value Chain Development at Neste Renewable Polymers and Chemicals. "The strategic cooperation for more circular solutions between Borealis and Neste has been a success story in the past already. Now we are looking forward to adding another chapter to the book and supporting the industry with this new portfolio of more sustainable base chemicals."



Photo: Borvida™ will be produced in various Borealis ISCC Plus certified production locations, including Porvoo, Finland.

Photo: © Borealis

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Borealis is one of the world's leading providers of advanced and sustainable polyolefin solutions and a European front-runner in polyolefins recycling. In Europe, we are a market leader in base chemicals and fertilizers. We leverage our polymer expertise and decades of experience to offer value adding, innovative and circular material solutions for key industries such as consumer products, energy, healthcare, infrastructure and mobility.

In re-inventing essentials for sustainable living, we build on our commitment to safety, our people, innovation and technology, and performance excellence. We are accelerating the transformation to a circular economy of polyolefins and expanding our geographical footprint to better serve our customers around the globe.

With head offices in Vienna, Austria, we employ 6,900 employees and operate in over 120 countries. In 2021, we generated total sales of EUR 12.342 billion and a net profit of EUR 1,396 million. OMV, the Austria-based international oil and gas company, owns 75% of our shares, while the remaining 25% is owned by a holding company of the Abu-Dhabi based Mubadala. We supply services and products to customers around the globe through Borealis and two important joint ventures: Borouge (with the Abu Dhabi National Oil Company, or ADNOC, based in UAE); and Baystar™ (with TotalEnergies, based in the US).

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