

Company

Established as a joint venture between Braskem, a Brazilian petrochemical company, and Sojitz, a Japanese trading company, Sustainea develops plant-based chemicals that help industries reshape how materials are produced.

We bring together breakthrough technology, strong partnerships and focused execution to deliver high-performance glycols that support the transition to a more circular, low-carbon economy. Working side by side with customers and partners across the value chain, we enable new possibilities in packaging and fibers through renewable materials that balance performance and sustainability.

Our first industrial plant will be strategically located in Lafayette, Indiana, USA, where we will use corn dextrose cultivated under regenerative agriculture practices to produce our sustainable solutions. This approach ensures a renewable and responsible feedstock supply, supports the development of a sustainable value chain, and reinforces our commitment to a low-carbon economy.

Products

Sustainea produces Bio-MEG and Bio-MPG from sustainably sourced corn-derived dextrose using an advanced one-step process. These next-generation glycols are drop-in solutions that match the quality and functionality of their traditional fossil-based counterparts, while contributing to large-scale decarbonization.

Bio-MEG: Sustainea Bio-MEG is a plant-based glycol designed for use as a chemical intermediate in several market sectors, such as packaging and textiles, through Bio-PET and Bio-Polyester. It offers the same quality and functionality as fossil fuel-derived MEG, while helping to transition value chains toward a low-carbon future.

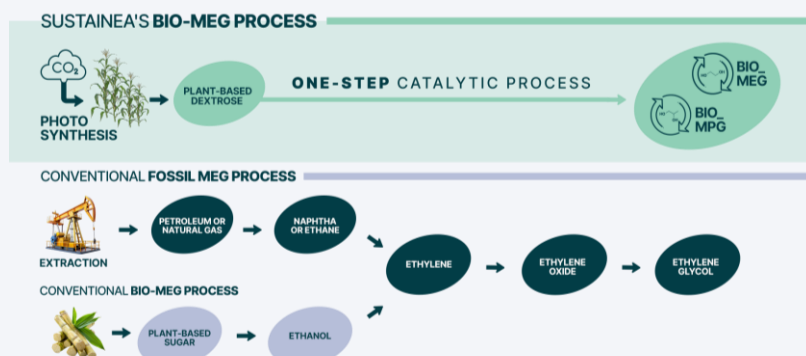
- **Main Applications:** PET Resin, Polyester Fibers & Industrial Uses (Coolants, De-icing Fluids, Paints & Coatings).

Bio-MPG: Sustainea Bio-MPG is produced from renewable sources and meets the high-quality demands of pharmaceutical, personal care, and industrial applications. It is a direct substitute for fossil fuel derived MPG, offering the same performance with a lower environmental impact.

- **Main Applications:** Thermoset Resins, Functional Fluids & Solvents, Home and Personal Care.

Our glycols are engineered as drop-in solutions, meaning they are fully compatible with existing processing value chains, no infrastructure changes required. This seamless integration is complemented by recyclable compatibility: our products are fully recyclable within current recycling infrastructures, making the transition to greener materials effortless for industry partners.

With our **one-step glycol process**, we're offering a **highly efficient** path to transition from fossil-based to **renewable carbon**.



Sustainea

Foundation

- Founded in 2022, Sustainea is a joint venture between Braskem and Sojitz.

Key services

- High-performance glycols that support the transition to a more circular, low-carbon economy.

Key Products

- **Bio-MEG:** chemical intermediate in several market sectors, such as packaging and textiles
- **Bio-MPG:** direct substitute for fossil fuel derived MPG, offering the same performance with a lower environmental impact

Key Benefits

- Plant-based and renewable.
- Drop-in compatibility with existing processes.
- Supports defossilization and decarbonization.

Sustainable Scalable Solution

Sustainea's solutions are built on a foundation of core advantages that together deliver environmental responsibility without compromising industrial performance.

Our products are made from plant-based feedstock and selected through a responsible sourcing program that upholds rigorous environmental and social standards. This is further strengthened by our regenerative agriculture program, as our supply chain actively improves soil health and enhances carbon fixation.

By combining renewable raw materials, regenerative agriculture practices, and advanced technologies, Sustainea enables industries to reduce their environmental footprint without compromising performance, while ensuring full traceability through biogenic carbon tracking. Our segregated production model enables tracking of biogenic carbon content via C-14 analysis, providing verifiable data for sustainability reporting.

Finally, our products feature a significantly low carbon footprint, supporting decarbonization goals by delivering an 80% to 130% reduction in CO₂ emissions compared to fossil-based alternatives.

Core Advantages



Our Sustainability Credentials

We have been both verified and certified by independent third parties, confirming that 100% of the carbon in Sustainea's Bio-MEG and Bio-MPG comes from renewable sources.

- **USDA Biobased:** This certification confirms, through independent testing, the percentage of biobased content in our product and verifies the use of renewable, plant-based materials in its composition.
 - **Sustainea Bio-MEG:** [BioPreferred|Catalog](#)
 - **Sustainea Bio-MPG:** [BioPreferred|Catalog](#)
- **OK Biobased - TÜV AUSTRIA:** Bio-MEG and Bio-MPG are certified as class five OK biobased (97–100% biobased carbon content) by TÜV AUSTRIA. This certification verifies, through scientific analysis, the share of renewable carbon and ensures that the products meet established criteria for biobased content.
- **NON-GMO Verified:** This verification confirms the absence of genetically modified DNA in our Bio-MEG, Bio-MPG, and Bio-PET, based on screening methods that ensure compliance with global regulatory standards, support GMO-free market requirements, and provide reliable, widely recognized analytical validation.

Sustainea

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