

Biobased Propylene Glycol Market Poised for Growth, Projected to Reach USD 7.96 Billion by 2035 | FMI

By 2035, USA biobased propylene glycol industry growing at a 6.0% CAGR, driven by rising demand for sustainable formulations in personal care.

NEWARK, DE, UNITED STATES, February 4, 2025 /EINPresswire.com/ -- The global [biobased propylene glycol market](#) is experiencing steady growth, driven by increasing demand for sustainable and eco-friendly chemicals across various industries. With a projected CAGR of 4.8% from 2025 to 2035, the market is expected to expand significantly, reaching a valuation of USD 7,956.5 million by 2035, up from USD 4,533.0 million in 2023.

This growth is fueled by rising regulatory support for bio-based products, increasing adoption in pharmaceuticals, personal care, and automotive applications, and a growing consumer preference for environmentally friendly alternatives to petroleum-based glycols.



Biobased Propylene Glycol Market

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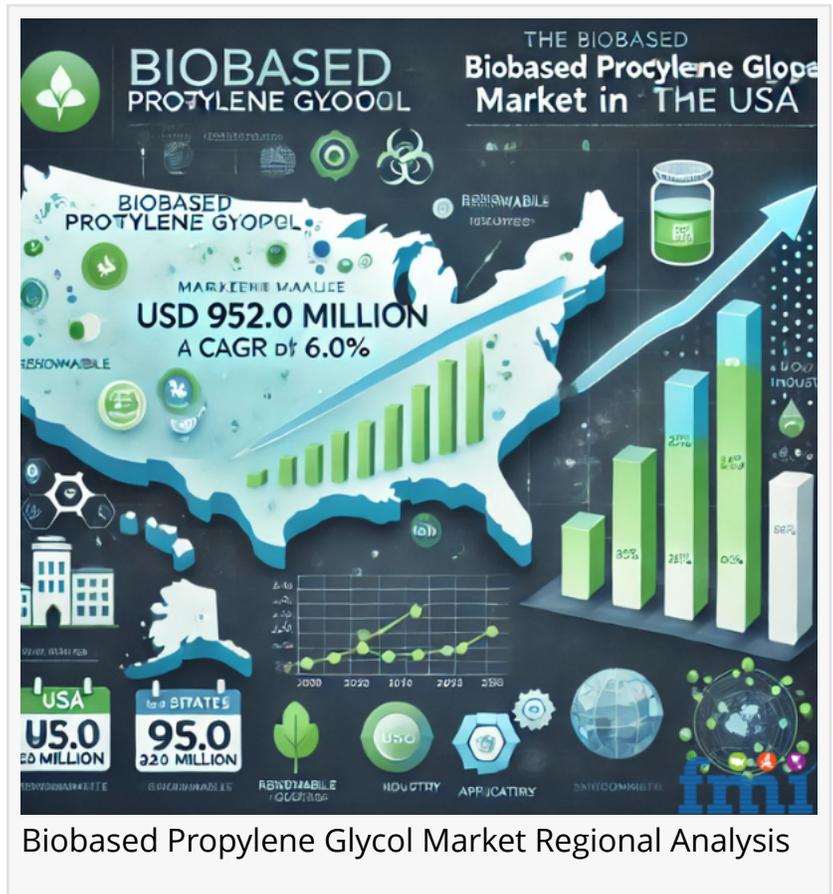
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The global biobased propylene glycol market is experiencing rapid growth as industries shift toward sustainable and eco-friendly alternatives. Biobased propylene glycol, derived from renewable sources such as plant-based glycerin, offers a greener substitute for petroleum-derived propylene glycol. With increasing regulatory support, advancements in bio-refining

technologies, and growing consumer preference for sustainable products, the market is expected to witness substantial expansion over the coming years.

The demand for biobased propylene glycol is primarily driven by its extensive applications across various industries, including pharmaceuticals, cosmetics, food & beverages, and automotive. The growing adoption of eco-friendly chemicals in industrial applications and strict environmental policies are further accelerating market growth.

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Biobased Propylene Glycol Market Regional Analysis

- **Regulatory Support and Sustainability Initiatives:** Governments and regulatory bodies worldwide are implementing policies to encourage the use of biobased products. Stricter environmental regulations on carbon emissions and sustainability goals set by corporations have led to a surge in demand for biobased propylene glycol.
- **Growing Consumer Awareness:** Consumers are increasingly prioritizing eco-friendly and biodegradable products, particularly in personal care, cosmetics, and food industries. Biobased propylene glycol, being non-toxic and environmentally friendly, aligns with this trend.
- **Advancements in Bio-Refining Technologies:** Technological innovations in bio-refining have improved the efficiency and cost-effectiveness of producing biobased propylene glycol, making it a competitive alternative to petroleum-derived options.
- **Expanding Applications Across Industries:** Biobased propylene glycol is gaining traction across various sectors, including pharmaceuticals (as a carrier in drug formulations), food & beverages (as a food additive and humectant), and automotive (as an antifreeze component).
- **Volatility in Crude Oil Prices:** Fluctuating crude oil prices have encouraged industries to seek sustainable and cost-effective alternatives. Biobased propylene glycol, derived from renewable sources, provides a stable pricing structure and reduces dependence on fossil fuels.

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- Biobased propylene glycol market is expanding rapidly, driven by sustainability initiatives and regulatory support.
- Consumer demand for eco-friendly products is increasing, particularly in personal care, cosmetics, and food industries.
- Advancements in bio-refining technologies are enhancing production efficiency and cost competitiveness.
- Major players like BASF, ADM, and Dow are investing in R&D and strategic partnerships to strengthen their market position.
- Asia-Pacific is emerging as a high-growth region, fueled by industrial expansion and sustainability awareness.

"The biobased propylene glycol market is set for robust growth, propelled by the global shift towards sustainability. With regulatory backing, technological advancements, and increasing consumer awareness, the market is well-positioned for long-term expansion. Companies that invest in innovation and strategic collaborations will gain a competitive edge in this rapidly evolving landscape." says Nikhil Kaitwade, Associate Vice President at Future Market Insights (FMI).

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The biobased propylene glycol market is characterized by intense competition, with key players focusing on expanding production capacities, strategic collaborations, and new product innovations. Major market participants include:

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These companies are investing in R&D activities to develop cost-effective and high-performance biobased propylene glycol solutions. Partnerships with bio-refineries and sustainability-driven strategies are shaping the competitive landscape.

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By Source:

In terms of Sources, the industry is divided into Corn-Based, Sugarcane-Based, Soy-Based, and Others.

By Application:

In terms of Application, the industry is divided into Unsaturated Polyester Resins (UPR), Personal Care and Cosmetics, Pharmaceuticals, Food and Beverage, Automotive and Industrial Coolants, Adhesives and Sealants, Deicing Fluids, and Others.

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