

1,3 Propanediol Market Size, Share & Trends Analysis Report By Product (Conventional, Bio-based), By Application (Polytrimethylene Terapthalate, Polyurethane), By Region, And Segment Forecasts, 2024 - 2030

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Abstracts

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1,3 Propanediol Market Growth & Trends

The global 1,3 propanediol market size is anticipated to reach USD 799.7 million by 2030, growing at a CAGR of 9.8% from 2024 to 2030, according to a new report by Grand View Research, Inc. The demand for the product can be attributed to the rising demand for polytrimethylene terephthalate from various end-use industries, such as personal care, cosmetics, and cleaning products.

Changing customer preferences toward bio-based products are expected to drive the global market. The growing acceptance of bio-based products across diverse end-use industries is presumed to complement the market growth further. Companies are focusing on increasing the renewable content in their products for various reasons. The need to reduce carbon emissions and create more sustainable products has increased the demand for bio-based products.

The bio-based segment dominated the global market in 2023 and accounted for a revenue share of 55.9% of the overall market. The production from biomass imparts distinct characteristics, making it an attractive option for eco-conscious industries. It reduces reliance on finite fossil resources and mitigates environmental impact by lowering greenhouse gas emissions and reducing dependency on petrochemical

feedstocks.

The polytrimethylene terephthalate (PTT) segment dominated the global market in 2023 and accounted for a revenue share of 67.5% of the overall market. This is attributable to the product's exceptional characteristics, such as resilience, stain resistance, and environmental sustainability. PTT is used as a crucial polymer in the formulation of various composites, adhesives, laminates, and moldings.

1,3 Propanediol Market Report Highlights

The bio-based segment is expected to have the largest revenue share of 55.9% in 2023. The increasing demand for eco-friendly, sustainable, and biodegradable products is a major driver. As industries and consumers become more environmentally conscious, there's a shift towards using bio-based chemicals, and 1,3-propanediol, derived from renewable resources, fits this bill perfectly.

The polytrimethylene terephthalate (PTT) segment dominated the global market in 2023 and accounted for a revenue share of 74.4% in 2023. PTT's applications in the textile and carpet industry, where it's valued for its excellent fiber-forming capabilities, resilience, and stain resistance, massively drive its demand. 1,3-Propanediol acts as a crucial monomer in the production of PTT, contributing to its elasticity, strength, and comfort properties in textiles.

Asia Pacific accounted for a significant revenue share of 57% in 2023. The demand for bioplastics is evident in every major region, especially in the Asia Pacific owing to favorable government policies and regulations aimed at encouraging the use of bio-based products.

Key industry participants include DuPont; Metabolic Biopolymer; Zhangjagang Glory Biomaterial Co., Ltd.; Zouping Mingxing Chemicals Co., Ltd; Shell Chemicals LP; Toky Chemicals Industry Co., Ltd; Shenghong Group Holdings; Primient; and Haihang Industry., among others.

In July 2023, Primient Covation BiPDO announced its expansion of the Beauty and Personal Care distribution territory of Essential Ingredients for Zemea propanediol to include the

western U.S.

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