

Global Bio-Based 1,3-Propanediol Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Bio-Based 1,3-Propanediol market size was valued at USD 496.9 million in 2023 and is forecast to a readjusted size of USD 2168.3 million by 2030 with a CAGR of 23.4% during review period.

Bio-based 1,3-propanediol (PDO), a colorless, odorless, hygroscopic, transparent viscous liquid, is widely used in cosmetics, pharmaceutical intermediates, PTT polyesters, coatings, lubricants, inks, fatty acid esters, acrylates and other fields. Its most important use is polymerization with terephthalic acid (PTA) to produce poly(propylene terephthalate) (PTT).

The major global producers of bio-based 1,3-propanediol are DuPont, Tsing Da Zhi Xing, Zhangjiagang Meirong Chemical Industry Co., Ltd. and Jiangsu Shenghong (Suzhou Suzhen Biological Engineering Co., Ltd.), occupying more than 90% of the market share in total, among which the largest producer is Jiangsu Shenghong (Suzhou Suzhen Biological Engineering Co., Ltd.) In terms of its product categories, bio-based 1,3-propanediol prepared by glucose conversion method has a higher market share of over 90%, while biodiesel conversion method has a lower share. In terms of its applications, the PPT polyester industry is its top application area with a market share of nearly 80%; the cosmetics industry has a fast growing trend in size at 28.14%.

The Global Info Research report includes an overview of the development of the Bio-Based 1,3-Propanediol industry chain, the market status of PTT Polyester (Glucose Conversion, Biodiesel Conversion), Cosmetic (Glucose Conversion, Biodiesel Conversion), and key enterprises in developed and developing market, and analysed

the cutting-edge technology, patent, hot applications and market trends of Bio-Based 1,3-Propanediol.

Regionally, the report analyzes the Bio-Based 1,3-Propanediol markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Bio-Based 1,3-Propanediol market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Bio-Based 1,3-Propanediol market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Bio-Based 1,3-Propanediol industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (Tons), revenue generated, and market share of different by Type (e.g., Glucose Conversion, Biodiesel Conversion).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Bio-Based 1,3-Propanediol market.

Regional Analysis: The report involves examining the Bio-Based 1,3-Propanediol market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Bio-Based 1,3-Propanediol market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Bio-Based 1,3-Propanediol:

Company Analysis: Report covers individual Bio-Based 1,3-Propanediol manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Bio-Based 1,3-Propanediol. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (PTT Polyester, Cosmetic).

Technology Analysis: Report covers specific technologies relevant to Bio-Based 1,3-Propanediol. It assesses the current state, advancements, and potential future developments in Bio-Based 1,3-Propanediol areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Bio-Based 1,3-Propanediol market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Bio-Based 1,3-Propanediol market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

Glucose Conversion

Biodiesel Conversion

Market segment by Application

PTT Polyester

Cosmetic

Pharmaceutical

Other

Major players covered

Huafeng Group (DuPont)

Tsing Da Zhi Xing

Zhangjiagang Meirong Chemical Industry Co., Ltd.

Jiangsu Shenghong (Suzhou Suzhen Biological Engineering Co., Ltd.)

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Bio-Based 1,3-Propanediol product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Bio-Based 1,3-Propanediol, with price, sales, revenue and global market share of Bio-Based 1,3-Propanediol from 2019 to

2024.

Chapter 3, the Bio-Based 1,3-Propanediol competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Bio-Based 1,3-Propanediol breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Bio-Based 1,3-Propanediol market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Bio-Based 1,3-Propanediol.

Chapter 14 and 15, to describe Bio-Based 1,3-Propanediol sales channel, distributors, customers, research findings and conclusion.

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