

Global Biobased 2,3 Butanediol Market Research Report 2026(Status and Outlook)

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Abstracts

The 2025 U.S. tariff policies introduce profound uncertainty into the global economic landscape. This report critically examines the implications of recent tariff adjustments and international strategic countermeasures on Biobased 2,3 Butanediol competitive dynamics, regional economic interdependencies, and supply chain reconfigurations. Biobased 2,3 butanediol is a low-carbon alternative. It is a colorless, odorless, hygroscopic, transparent viscous liquid that is widely used in cosmetics, lubricants, synthetic rubber and other fields. Currently, its most important use is to replace 1,3-butanediol and methylpropanediol as a solvent and moisturizer in cosmetics. In addition, BDO can also be used as a raw material for bio-based butadiene to produce bio-based synthetic rubber. Countries around the world are promoting a low-carbon economy, and bio-based products are favored by policies to reduce carbon emissions (such as the EU Green New Deal and China's "dual carbon" goals). Government funding for biomanufacturing projects (such as the US "Biomass Technology Roadmap") lowers the threshold for industrialization. Traditional petrochemical-derived plastics (such as PET) are limited, and bio-based 2,3-BDO can be used as a precursor for degradable plastics (such as PHA), which is in line with policy guidance. Used to synthesize high-demand chemicals such as methyl ethyl ketone (MEK) and 1,3-butadiene (rubber monomer). As a safe solvent or drug carrier (such as chiral drug synthesis). Derived into high-energy-density biofuels (such as 2,3-BDO converted into jet fuel components). Increased environmental awareness promotes bio-based products to replace petrochemical products, especially in the European and American markets.

The global Biobased 2,3 Butanediol market size was estimated at USD 150.0 million in 2025 and is projected to grow at a compound annual growth rate (CAGR) of 13.80% during the forecast period.

This report offers a comprehensive and in-depth analysis of the global Biobased 2,3 Butanediol market, covering all critical facets from a broad macroeconomic overview to detailed micro-level insights. It examines market size, competitive landscape, emerging development trends, niche segments, key drivers and challenges, as well as conducts SWOT and value chain analyses.

The insights provided enable readers to understand the competitive dynamics within the industry and formulate effective strategies to enhance profitability and market positioning. Additionally, the report presents a clear framework for evaluating the current status and future outlook of business organizations operating in this sector.

A significant focus of this report lies in the competitive landscape of the global Biobased 2,3 Butanediol market. It offers detailed profiles of major players, including their market shares, performance metrics, product portfolios, and operational status. This enables stakeholders to identify leading competitors and gain a nuanced understanding of market rivalry and structure.

In summary, this report serves as an essential resource for industry participants, investors, researchers, consultants, and business strategists, as well as anyone planning to enter or expand their presence in the Biobased 2,3 Butanediol market.

Global Biobased 2,3 Butanediol Market: Market Segmentation Analysis

This research report provides a detailed segmentation of the market by region (country), key manufacturers, product type, and application. Market segmentation divides the overall market into distinct subsets based on factors such as product categories, end-user industries, geographic locations, and other relevant criteria.

A clear understanding of these market segments enables decision-makers to tailor their product development, sales, and marketing strategies more effectively to meet the unique needs of each segment. Leveraging market segmentation insights can significantly enhance targeted approaches, optimize resource allocation, and accelerate product innovation cycles by aligning offerings with the specific demands of diverse customer groups.

Key Company

Zhangjiagang Glory Chemical Industry Co., Limited

Tsinghua Smart Biotech
GS Caltex
LanzaTech
Biokemik

Market Segmentation (by Type)

Food Carbon Source
Industrial Waste

Market Segmentation (by Application)

Cosmetics
Synthetic Rubber
Chemicals
Pharmaceuticals
Others

Geographic Segmentation

North America (USA, Canada, Mexico)
Europe (Germany, UK, France, Russia, Italy, Rest of Europe)
Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)
South America (Brazil, Argentina, Columbia, Rest of South America)
The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

Key Benefits of This Market Research:

Industry drivers, restraints, and opportunities covered in the study
Neutral perspective on the market performance
Recent industry trends and developments
Competitive landscape & strategies of key players
Potential & niche segments and regions exhibiting promising growth covered
Historical, current, and projected market size, in terms of value
In-depth analysis of the Biobased 2,3 Butanediol Market
Overview of the regional outlook of the Biobased 2,3 Butanediol Market:

Customization of the Report

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the Biobased 2,3 Butanediol Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8 provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 9 shares the main producing countries of Biobased 2,3 Butanediol, their output

value, profit level, regional supply, production capacity layout, etc. from the supply side.

Chapter 10 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 11 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 12 provides a quantitative analysis of the market size and development potential of each market segment in the next five years.

Chapter 13 is the main points and conclusions of the report.

Key Reasons to Buy this Report:

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change
This enables you to anticipate market changes to remain ahead of your competitors
You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents

The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly

Provision of market value data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

6-month post-sales analyst support

Customization of the Report

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Contents

1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE

1.1 Market Definition and Statistical Scope of Biobased 2,3 Butanediol

1.2 Key Market Segments

1.2.1 Biobased 2,3 Butanediol Segment by Type

1.2.2 Biobased 2,3 Butanediol Segment by Application

1.3 Methodology & Sources of Information

1.3.1 Research Methodology

1.3.2 Research Process

1.3.3 Market Breakdown and Data Triangulation

1.3.4 Base Year

1.3.5 Report Assumptions & Caveats

2 BIOBASED 2,3 BUTANEDIOL MARKET OVERVIEW

2.1 Global Market Overview

2.1.1 Global Biobased 2,3 Butanediol Market Size (M USD) Estimates and Forecasts (2020-2035)

2.1.2 Global Biobased 2,3 Butanediol Sales Estimates and Forecasts (2020-2035)

2.2 Market Segment Executive Summary

2.3 Global Market Size by Region

3 BIOBASED 2,3 BUTANEDIOL MARKET COMPETITIVE LANDSCAPE

3.1 Company Assessment Quadrant

3.2 Global Biobased 2,3 Butanediol Product Life Cycle

3.3 Global Biobased 2,3 Butanediol Sales by Manufacturers (2020-2025)

3.4 Global Biobased 2,3 Butanediol Revenue Market Share by Manufacturers (2020-2025)

3.5 Biobased 2,3 Butanediol Market Share by Company Type (Tier 1, Tier 2, and Tier 3)

3.6 Global Biobased 2,3 Butanediol Average Price by Manufacturers (2020-2025)

3.7 Manufacturers? Manufacturing Sites, Areas Served, and Product Types

3.8 Biobased 2,3 Butanediol Market Competitive Situation and Trends

3.8.1 Biobased 2,3 Butanediol Market Concentration Rate

3.8.2 Global 5 and 10 Largest Biobased 2,3 Butanediol Players Market Share by Revenue

3.8.3 Mergers & Acquisitions, Expansion

4 BIOBASED 2,3 BUTANEDIOL INDUSTRY CHAIN ANALYSIS

- 4.1 Biobased 2,3 Butanediol Industry Chain Analysis
- 4.2 Market Overview of Key Raw Materials
- 4.3 Midstream Market Analysis
- 4.4 Downstream Customer Analysis

5 THE DEVELOPMENT AND DYNAMICS OF BIOBASED 2,3 BUTANEDIOL MARKET

- 5.1 Key Development Trends
- 5.2 Driving Factors
- 5.3 Market Challenges
- 5.4 Industry News
 - 5.4.1 New Product Developments
 - 5.4.2 Mergers & Acquisitions
 - 5.4.3 Expansions
 - 5.4.4 Collaboration/Supply Contracts
- 5.5 PEST Analysis
 - 5.5.1 Industry Policies Analysis
 - 5.5.2 Economic Environment Analysis
 - 5.5.3 Social Environment Analysis
 - 5.5.4 Technological Environment Analysis
- 5.6 Global Biobased 2,3 Butanediol Market Porter's Five Forces Analysis
 - 5.6.1 Global Trade Frictions
 - 5.6.2 U.S. Tariff Policy ? April 2025
 - 5.6.3 Global Trade Frictions and Their Impacts to Biobased 2,3 Butanediol Market
- 5.7 ESG Ratings of Leading Companies

6 BIOBASED 2,3 BUTANEDIOL MARKET SEGMENTATION BY TYPE

- 6.1 Evaluation Matrix of Segment Market Development Potential (Type)
- 6.2 Global Biobased 2,3 Butanediol Sales Market Share by Type (2020-2025)
- 6.3 Global Biobased 2,3 Butanediol Market Size by Type (2020-2025)
- 6.4 Global Biobased 2,3 Butanediol Price by Type (2020-2025)

7 BIOBASED 2,3 BUTANEDIOL MARKET SEGMENTATION BY APPLICATION

- 7.1 Evaluation Matrix of Segment Market Development Potential (Application)
- 7.2 Global Biobased 2,3 Butanediol Market Sales by Application (2020-2025)
- 7.3 Global Biobased 2,3 Butanediol Market Size (M USD) by Application (2020-2025)
- 7.4 Global Biobased 2,3 Butanediol Sales Growth Rate by Application (2020-2025)

8 BIOBASED 2,3 BUTANEDIOL MARKET SALES BY REGION

- 8.1 Global Biobased 2,3 Butanediol Sales by Region
 - 8.1.1 Global Biobased 2,3 Butanediol Sales by Region
 - 8.1.2 Global Biobased 2,3 Butanediol Sales Market Share by Region
- 8.2 Global Biobased 2,3 Butanediol Market Size by Region
 - 8.2.1 Global Biobased 2,3 Butanediol Market Size by Region
 - 8.2.2 Global Biobased 2,3 Butanediol Market Size by Region
- 8.3 North America
 - 8.3.1 North America Biobased 2,3 Butanediol Sales by Country
 - 8.3.2 North America Biobased 2,3 Butanediol Market Size by Country
 - 8.3.3 U.S. Market Overview
 - 8.3.4 Canada Market Overview
 - 8.3.5 Mexico Market Overview
- 8.4 Europe
 - 8.4.1 Europe Biobased 2,3 Butanediol Sales by Country
 - 8.4.2 Europe Biobased 2,3 Butanediol Market Size by Country
 - 8.4.3 Germany Market Overview
 - 8.4.4 France Market Overview
 - 8.4.5 U.K. Market Overview
 - 8.4.6 Italy Market Overview
 - 8.4.7 Spain Market Overview
- 8.5 Asia Pacific
 - 8.5.1 Asia Pacific Biobased 2,3 Butanediol Sales by Region
 - 8.5.2 Asia Pacific Biobased 2,3 Butanediol Market Size by Region
 - 8.5.3 China Market Overview
 - 8.5.4 Japan Market Overview
 - 8.5.5 South Korea Market Overview
 - 8.5.6 India Market Overview
 - 8.5.7 Southeast Asia Market Overview
- 8.6 South America
 - 8.6.1 South America Biobased 2,3 Butanediol Sales by Country
 - 8.6.2 South America Biobased 2,3 Butanediol Market Size by Country
 - 8.6.3 Brazil Market Overview

8.6.4 Argentina Market Overview

8.6.5 Columbia Market Overview

8.7 Middle East and Africa

8.7.1 Middle East and Africa Biobased 2,3 Butanediol Sales by Region

8.7.2 Middle East and Africa Biobased 2,3 Butanediol Market Size by Region

8.7.3 Saudi Arabia Market Overview

8.7.4 UAE Market Overview

8.7.5 Egypt Market Overview

8.7.6 Nigeria Market Overview

8.7.7 South Africa Market Overview

9 BIOBASED 2,3 BUTANEDIOL MARKET PRODUCTION BY REGION

9.1 Global Production of Biobased 2,3 Butanediol by Region(2020-2025)

9.2 Global Biobased 2,3 Butanediol Revenue Market Share by Region (2020-2025)

9.3 Global Biobased 2,3 Butanediol Production, Revenue, Price and Gross Margin (2020-2025)

9.4 North America Biobased 2,3 Butanediol Production

9.4.1 North America Biobased 2,3 Butanediol Production Growth Rate (2020-2025)

9.4.2 North America Biobased 2,3 Butanediol Production, Revenue, Price and Gross Margin (2020-2025)

9.5 Europe Biobased 2,3 Butanediol Production

9.5.1 Europe Biobased 2,3 Butanediol Production Growth Rate (2020-2025)

9.5.2 Europe Biobased 2,3 Butanediol Production, Revenue, Price and Gross Margin (2020-2025)

9.6 Japan Biobased 2,3 Butanediol Production (2020-2025)

9.6.1 Japan Biobased 2,3 Butanediol Production Growth Rate (2020-2025)

9.6.2 Japan Biobased 2,3 Butanediol Production, Revenue, Price and Gross Margin (2020-2025)

9.7 China Biobased 2,3 Butanediol Production (2020-2025)

9.7.1 China Biobased 2,3 Butanediol Production Growth Rate (2020-2025)

9.7.2 China Biobased 2,3 Butanediol Production, Revenue, Price and Gross Margin (2020-2025)

10 KEY COMPANIES PROFILE

10.1 Zhangjiagang Glory Chemical Industry Co., Limited

10.1.1 Zhangjiagang Glory Chemical Industry Co., Limited Basic Information

10.1.2 Zhangjiagang Glory Chemical Industry Co., Limited Biobased 2,3 Butanediol

Product Overview

10.1.3 Zhangjiagang Glory Chemical Industry Co., Limited Biobased 2,3 Butanediol

Product Market Performance

10.1.4 Zhangjiagang Glory Chemical Industry Co., Limited Business Overview

10.1.5 Zhangjiagang Glory Chemical Industry Co., Limited SWOT Analysis

10.1.6 Zhangjiagang Glory Chemical Industry Co., Limited Recent Developments

10.2 Tsinghua Smart Biotech

10.2.1 Tsinghua Smart Biotech Basic Information

10.2.2 Tsinghua Smart Biotech Biobased 2,3 Butanediol Product Overview

10.2.3 Tsinghua Smart Biotech Biobased 2,3 Butanediol Product Market Performance

10.2.4 Tsinghua Smart Biotech Business Overview

10.2.5 Tsinghua Smart Biotech SWOT Analysis

10.2.6 Tsinghua Smart Biotech Recent Developments

10.3 GS Caltex

10.3.1 GS Caltex Basic Information

10.3.2 GS Caltex Biobased 2,3 Butanediol Product Overview

10.3.3 GS Caltex Biobased 2,3 Butanediol Product Market Performance

10.3.4 GS Caltex Business Overview

10.3.5 GS Caltex SWOT Analysis

10.3.6 GS Caltex Recent Developments

10.4 LanzaTech

10.4.1 LanzaTech Basic Information

10.4.2 LanzaTech Biobased 2,3 Butanediol Product Overview

10.4.3 LanzaTech Biobased 2,3 Butanediol Product Market Performance

10.4.4 LanzaTech Business Overview

10.4.5 LanzaTech Recent Developments

10.5 Biokemik

10.5.1 Biokemik Basic Information

10.5.2 Biokemik Biobased 2,3 Butanediol Product Overview

10.5.3 Biokemik Biobased 2,3 Butanediol Product Market Performance

10.5.4 Biokemik Business Overview

10.5.5 Biokemik Recent Developments

11 BIOBASED 2,3 BUTANEDIOL MARKET FORECAST BY REGION

11.1 Global Biobased 2,3 Butanediol Market Size Forecast

11.2 Global Biobased 2,3 Butanediol Market Forecast by Region

11.2.1 North America Market Size Forecast by Country

11.2.2 Europe Biobased 2,3 Butanediol Market Size Forecast by Country

- 11.2.3 Asia Pacific Biobased 2,3 Butanediol Market Size Forecast by Region
- 11.2.4 South America Biobased 2,3 Butanediol Market Size Forecast by Country
- 11.2.5 Middle East and Africa Forecasted Sales of Biobased 2,3 Butanediol by Country

12 FORECAST MARKET BY TYPE AND BY APPLICATION (2026-2035)

- 12.1 Global Biobased 2,3 Butanediol Market Forecast by Type (2026-2035)
 - 12.1.1 Global Forecasted Sales of Biobased 2,3 Butanediol by Type (2026-2035)
 - 12.1.2 Global Biobased 2,3 Butanediol Market Size Forecast by Type (2026-2035)
 - 12.1.3 Global Forecasted Price of Biobased 2,3 Butanediol by Type (2026-2035)
- 12.2 Global Biobased 2,3 Butanediol Market Forecast by Application (2026-2035)
 - 12.2.1 Global Biobased 2,3 Butanediol Sales (K MT) Forecast by Application
 - 12.2.2 Global Biobased 2,3 Butanediol Market Size (M USD) Forecast by Application (2026-2035)

13 CONCLUSION AND KEY FINDINGS

List Of Tables

LIST OF TABLES

Table 1. Introduction of the Type
Table 2. Introduction of the Application
Table 3. Global Biobased 2,3 Butanediol Market Size by Type (M USD)
Table 4. Global Biobased 2,3 Butanediol Market Size by Application
Table 5. Biobased 2,3 Butanediol Market Size Comparison by Region (M USD)
Table 6. Global Biobased 2,3 Butanediol Sales (K MT) by Manufacturers (2020-2025)
Table 7. Global Biobased 2,3 Butanediol Sales Market Share by Manufacturers (2020-2025)
Table 8. Global Biobased 2,3 Butanediol Revenue (M USD) by Manufacturers (2020-2025)
Table 9. Global Biobased 2,3 Butanediol Revenue Share by Manufacturers (2020-2025)
Table 10. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in Biobased 2,3 Butanediol as of 2025)
Table 11. Global Market Biobased 2,3 Butanediol Average Price (USD/KG) of Key Manufacturers (2020-2025)
Table 12. Manufacturers? Manufacturing Sites, Areas Served
Table 13. Manufacturers? Product Type
Table 14. Global Biobased 2,3 Butanediol Manufacturers Market Concentration Ratio (CR5 and HHI)
Table 15. Mergers & Acquisitions, Expansion Plans
Table 16. Market Overview of Key Raw Materials
Table 17. Midstream Market Analysis
Table 18. Downstream Customer Analysis
Table 19. Key Development Trends
Table 20. Driving Factors
Table 21. Biobased 2,3 Butanediol Market Challenges
Table 22. Goldman Sachs' forecast real GDP growth rate for 2025-2026
Table 23. S&P Global ' Forecast Real GDP Growth Rate For 2025-2027
Table 24. World Bank ' Forecast Real GDP Growth Rate For 2025-2026
Table 25. The Tariff Rates Imposed by the United States on Major Commodity Trading Countries
Table 26. Global Biobased 2,3 Butanediol Sales by Type (K MT)
Table 27. Global Biobased 2,3 Butanediol Market Size by Type (M USD)
Table 28. Global Biobased 2,3 Butanediol Sales (K MT) by Type (2020-2025)
Table 29. Global Biobased 2,3 Butanediol Sales Market Share by Type (2020-2025)

Table 30. Global Biobased 2,3 Butanediol Market Size (M USD) by Type (2020-2025)

Table 31. Global Biobased 2,3 Butanediol Market Share by Type (2020-2025)

Table 32. Global Biobased 2,3 Butanediol Price (USD/KG) by Type (2020-2025)

Table 33. Global Biobased 2,3 Butanediol Sales (K MT) by Application

Table 34. Global Biobased 2,3 Butanediol Market Size by Application

Table 35. Global Biobased 2,3 Butanediol Sales by Application (2020-2025) & (K MT)

Table 36. Global Biobased 2,3 Butanediol Sales Market Share by Application (2020-2025)

Table 37. Global Biobased 2,3 Butanediol Market Size by Application (2020-2025) & (M USD)

Table 38. Global Biobased 2,3 Butanediol Market Share by Application (2020-2025)

Table 39. Global Biobased 2,3 Butanediol Sales Growth Rate by Application (2020-2025)

Table 40. Global Biobased 2,3 Butanediol Sales by Region (2020-2025) & (K MT)

Table 41. Global Biobased 2,3 Butanediol Sales Market Share by Region (2020-2025)

Table 42. Global Biobased 2,3 Butanediol Market Size by Region (2020-2025) & (M USD)

Table 43. Global Biobased 2,3 Butanediol Market Size by Region (2020-2025)

Table 44. North America Biobased 2,3 Butanediol Sales by Country (2020-2025) & (K MT)

Table 45. North America Biobased 2,3 Butanediol Market Size by Country (2020-2025) & (M USD)

Table 46. Europe Biobased 2,3 Butanediol Sales by Country (2020-2025) & (K MT)

Table 47. Europe Biobased 2,3 Butanediol Market Size by Country (2020-2025) & (M USD)

Table 48. Asia Pacific Biobased 2,3 Butanediol Sales by Region (2020-2025) & (K MT)

Table 49. Asia Pacific Biobased 2,3 Butanediol Market Size by Region (2020-2025) & (M USD)

Table 50. South America Biobased 2,3 Butanediol Sales by Country (2020-2025) & (K MT)

Table 51. South America Biobased 2,3 Butanediol Market Size by Country (2020-2025) & (M USD)

Table 52. Middle East and Africa Biobased 2,3 Butanediol Sales by Region (2020-2025) & (K MT)

Table 53. Middle East and Africa Biobased 2,3 Butanediol Market Size by Region (2020-2025) & (M USD)

Table 54. Global Biobased 2,3 Butanediol Production (K MT) by Region(2020-2025)

Table 55. Global Biobased 2,3 Butanediol Revenue (US\$ Million) by Region (2020-2025)

Table 56. Global Biobased 2,3 Butanediol Revenue Market Share by Region (2020-2025)

Table 57. Global Biobased 2,3 Butanediol Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 58. North America Biobased 2,3 Butanediol Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 59. Europe Biobased 2,3 Butanediol Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 60. Japan Biobased 2,3 Butanediol Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 61. China Biobased 2,3 Butanediol Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 62. Zhangjiagang Glory Chemical Industry Co., Limited Basic Information

Table 63. Zhangjiagang Glory Chemical Industry Co., Limited Biobased 2,3 Butanediol Product Overview

Table 64. Zhangjiagang Glory Chemical Industry Co., Limited Biobased 2,3 Butanediol Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 65. Zhangjiagang Glory Chemical Industry Co., Limited Business Overview

Table 66. Zhangjiagang Glory Chemical Industry Co., Limited SWOT Analysis

Table 67. Zhangjiagang Glory Chemical Industry Co., Limited Recent Developments

Table 68. Tsinghua Smart Biotech Basic Information

Table 69. Tsinghua Smart Biotech Biobased 2,3 Butanediol Product Overview

Table 70. Tsinghua Smart Biotech Biobased 2,3 Butanediol Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 71. Tsinghua Smart Biotech Business Overview

Table 72. Tsinghua Smart Biotech SWOT Analysis

Table 73. Tsinghua Smart Biotech Recent Developments

Table 74. GS Caltex Basic Information

Table 75. GS Caltex Biobased 2,3 Butanediol Product Overview

Table 76. GS Caltex Biobased 2,3 Butanediol Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 77. GS Caltex Business Overview

Table 78. GS Caltex SWOT Analysis

Table 79. GS Caltex Recent Developments

Table 80. LanzaTech Basic Information

Table 81. LanzaTech Biobased 2,3 Butanediol Product Overview

Table 82. LanzaTech Biobased 2,3 Butanediol Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 83. LanzaTech Business Overview

Table 84. LanzaTech Recent Developments
Table 85. Biokemik Basic Information
Table 86. Biokemik Biobased 2,3 Butanediol Product Overview
Table 87. Biokemik Biobased 2,3 Butanediol Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
Table 88. Biokemik Business Overview
Table 89. Biokemik Recent Developments
Table 90. Global Biobased 2,3 Butanediol Sales Forecast by Region (2026-2035) & (K MT)
Table 91. Global Biobased 2,3 Butanediol Market Size Forecast by Region (2026-2035) & (M USD)
Table 92. North America Biobased 2,3 Butanediol Sales Forecast by Country (2026-2035) & (K MT)
Table 93. North America Biobased 2,3 Butanediol Market Size Forecast by Country (2026-2035) & (M USD)
Table 94. Europe Biobased 2,3 Butanediol Sales Forecast by Country (2026-2035) & (K MT)
Table 95. Europe Biobased 2,3 Butanediol Market Size Forecast by Country (2026-2035) & (M USD)
Table 96. Asia Pacific Biobased 2,3 Butanediol Sales Forecast by Region (2026-2035) & (K MT)
Table 97. Asia Pacific Biobased 2,3 Butanediol Market Size Forecast by Region (2026-2035) & (M USD)
Table 98. South America Biobased 2,3 Butanediol Sales Forecast by Country (2026-2035) & (K MT)
Table 99. South America Biobased 2,3 Butanediol Market Size Forecast by Country (2026-2035) & (M USD)
Table 100. Middle East and Africa Biobased 2,3 Butanediol Sales Forecast by Country (2026-2035) & (Units)
Table 101. Middle East and Africa Biobased 2,3 Butanediol Market Size Forecast by Country (2026-2035) & (M USD)
Table 102. Global Biobased 2,3 Butanediol Sales Forecast by Type (2026-2035) & (K MT)
Table 103. Global Biobased 2,3 Butanediol Market Size Forecast by Type (2026-2035) & (M USD)
Table 104. Global Biobased 2,3 Butanediol Price Forecast by Type (2026-2035) & (USD/KG)
Table 105. Global Biobased 2,3 Butanediol Sales (K MT) Forecast by Application (2026-2035)

Table 106. Global Biobased 2,3 Butanediol Market Size Forecast by Application
(2026-2035) & (M USD)

List Of Figures

LIST OF FIGURES

- Figure 1. Product Picture of Biobased 2,3 Butanediol
- Figure 2. Data Triangulation
- Figure 3. Key Caveats
- Figure 4. Global Biobased 2,3 Butanediol Market Size (M USD), 2025-2035
- Figure 5. Global Biobased 2,3 Butanediol Market Size (M USD) (2020-2035)
- Figure 6. Global Biobased 2,3 Butanediol Sales (K MT) & (2020-2035)
- Figure 7. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 8. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 9. Evaluation Matrix of Regional Market Development Potential
- Figure 10. Biobased 2,3 Butanediol Market Size by Country (M USD)
- Figure 11. Company Assessment Quadrant
- Figure 12. Global Biobased 2,3 Butanediol Product Life Cycle
- Figure 13. Biobased 2,3 Butanediol Sales Share by Manufacturers in 2025
- Figure 14. Global Biobased 2,3 Butanediol Revenue Share by Manufacturers in 2025
- Figure 15. Biobased 2,3 Butanediol Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2025
- Figure 16. Global Market Biobased 2,3 Butanediol Average Price (USD/KG) of Key Manufacturers in 2025
- Figure 17. The Global 5 and 10 Largest Players: Market Share by Biobased 2,3 Butanediol Revenue in 2025
- Figure 18. Industry Chain Map of Biobased 2,3 Butanediol
- Figure 19. Global Biobased 2,3 Butanediol Market PEST Analysis
- Figure 20. Global Biobased 2,3 Butanediol Market Porter's Five Forces Analysis
- Figure 21. Global Merchandise Trade as a Percentage Of GDP
- Figure 22. US - Imports of Goods by Country
- Figure 23. China Exports by Country
- Figure 24. ESG Rating Distribution of The Leading Company Compared With Its Peers
- Figure 25. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 26. Global Biobased 2,3 Butanediol Market Share by Type
- Figure 27. Sales Market Share of Biobased 2,3 Butanediol by Type (2020-2025)
- Figure 28. Sales Market Share of Biobased 2,3 Butanediol by Type in 2025
- Figure 29. Market Share of Biobased 2,3 Butanediol by Type (2020-2025)
- Figure 30. Market Share of Biobased 2,3 Butanediol by Type in 2025
- Figure 31. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 32. Global Biobased 2,3 Butanediol Market Share by Application

Figure 33. Global Biobased 2,3 Butanediol Sales Market Share by Application (2020-2025)

Figure 34. Global Biobased 2,3 Butanediol Sales Market Share by Application in 2025

Figure 35. Global Biobased 2,3 Butanediol Market Share by Application (2020-2025)

Figure 36. Global Biobased 2,3 Butanediol Market Share by Application in 2025

Figure 37. Global Biobased 2,3 Butanediol Sales Growth Rate by Application (2020-2025)

Figure 38. Global Biobased 2,3 Butanediol Sales Market Share by Region (2020-2025)

Figure 39. Global Biobased 2,3 Butanediol Market Size by Region (2020-2025)

Figure 40. North America Biobased 2,3 Butanediol Sales and Growth Rate (2020-2025) & (K MT)

Figure 41. North America Biobased 2,3 Butanediol Sales and Growth Rate (2020-2025) & (K MT)

Figure 42. North America Biobased 2,3 Butanediol Sales Market Share by Country in 2024

Figure 43. North America Biobased 2,3 Butanediol Market Size and Growth Rate (2020-2025) & (M USD)

Figure 44. North America Biobased 2,3 Butanediol Market Size by Country in 2024

Figure 45. U.S. Biobased 2,3 Butanediol Sales and Growth Rate (2020-2025) & (K MT)

Figure 46. U.S. Biobased 2,3 Butanediol Market Size and Growth Rate (2020-2025) & (M USD)

Figure 47. Canada Biobased 2,3 Butanediol Sales (K MT) and Growth Rate (2020-2025)

Figure 48. Canada Biobased 2,3 Butanediol Market Size (M USD) and Growth Rate (2020-2025)

Figure 49. Mexico Biobased 2,3 Butanediol Sales (Units) and Growth Rate (2020-2025)

Figure 50. Mexico Biobased 2,3 Butanediol Market Size (Units) and Growth Rate (2020-2025)

Figure 51. Europe Biobased 2,3 Butanediol Sales and Growth Rate (2020-2025) & (K MT)

Figure 52. Europe Biobased 2,3 Butanediol Sales Market Share by Country in 2024

Figure 53. Europe Biobased 2,3 Butanediol Market Size and Growth Rate (2020-2025) & (M USD)

Figure 54. Europe Biobased 2,3 Butanediol Market Size by Country in 2024

Figure 55. Germany Biobased 2,3 Butanediol Sales and Growth Rate (2020-2025) & (K MT)

Figure 56. Germany Biobased 2,3 Butanediol Market Size and Growth Rate (2020-2025) & (M USD)

Figure 57. France Biobased 2,3 Butanediol Sales and Growth Rate (2020-2025) & (K

MT)

Figure 58. France Biobased 2,3 Butanediol Market Size and Growth Rate (2020-2025) & (M USD)

Figure 59. U.K. Biobased 2,3 Butanediol Sales and Growth Rate (2020-2025) & (K MT)

Figure 60. U.K. Biobased 2,3 Butanediol Market Size and Growth Rate (2020-2025) & (M USD)

Figure 61. Italy Biobased 2,3 Butanediol Sales and Growth Rate (2020-2025) & (K MT)

Figure 62. Italy Biobased 2,3 Butanediol Market Size and Growth Rate (2020-2025) & (M USD)

Figure 63. Spain Biobased 2,3 Butanediol Sales and Growth Rate (2020-2025) & (K MT)

Figure 64. Spain Biobased 2,3 Butanediol Market Size and Growth Rate (2020-2025) & (M USD)

Figure 65. Asia Pacific Biobased 2,3 Butanediol Sales and Growth Rate (K MT)

Figure 66. Asia Pacific Biobased 2,3 Butanediol Sales Market Share by Region in 2024

Figure 67. Asia Pacific Biobased 2,3 Butanediol Market Size by Region in 2024

Figure 68. China Biobased 2,3 Butanediol Sales and Growth Rate (2020-2025) & (K MT)

Figure 69. China Biobased 2,3 Butanediol Market Size and Growth Rate (2020-2025) & (M USD)

Figure 70. Japan Biobased 2,3 Butanediol Sales and Growth Rate (2020-2025) & (K MT)

Figure 71. Japan Biobased 2,3 Butanediol Market Size and Growth Rate (2020-2025) & (M USD)

Figure 72. South Korea Biobased 2,3 Butanediol Sales and Growth Rate (2020-2025) & (K MT)

Figure 73. South Korea Biobased 2,3 Butanediol Market Size and Growth Rate (2020-2025) & (M USD)

Figure 74. India Biobased 2,3 Butanediol Sales and Growth Rate (2020-2025) & (K MT)

Figure 75. India Biobased 2,3 Butanediol Market Size and Growth Rate (2020-2025) & (M USD)

Figure 76. Southeast Asia Biobased 2,3 Butanediol Sales and Growth Rate (2020-2025) & (K MT)

Figure 77. Southeast Asia Biobased 2,3 Butanediol Market Size and Growth Rate (2020-2025) & (M USD)

Figure 78. South America Biobased 2,3 Butanediol Sales and Growth Rate (K MT)

Figure 79. South America Biobased 2,3 Butanediol Sales Market Share by Country in 2024

Figure 80. South America Biobased 2,3 Butanediol Market Size and Growth Rate (M

USD)

Figure 81. South America Biobased 2,3 Butanediol Market Size by Country in 2024

Figure 82. Brazil Biobased 2,3 Butanediol Sales and Growth Rate (2020-2025) & (K MT)

Figure 83. Brazil Biobased 2,3 Butanediol Market Size and Growth Rate (2020-2025) & (M USD)

Figure 84. Argentina Biobased 2,3 Butanediol Sales and Growth Rate (2020-2025) & (K MT)

Figure 85. Argentina Biobased 2,3 Butanediol Market Size and Growth Rate (2020-2025) & (M USD)

Figure 86. Columbia Biobased 2,3 Butanediol Sales and Growth Rate (2020-2025) & (K MT)

Figure 87. Columbia Biobased 2,3 Butanediol Market Size and Growth Rate (2020-2025) & (M USD)

Figure 88. Middle East and Africa Biobased 2,3 Butanediol Sales and Growth Rate (K MT)

Figure 89. Middle East and Africa Biobased 2,3 Butanediol Sales Market Share by Region in 2024

Figure 90. Middle East and Africa Biobased 2,3 Butanediol Market Size and Growth Rate (M USD)

Figure 91. Middle East and Africa Biobased 2,3 Butanediol Market Size by Region in 2024

Figure 92. Saudi Arabia Biobased 2,3 Butanediol Sales and Growth Rate (2020-2025) & (K MT)

Figure 93. Saudi Arabia Biobased 2,3 Butanediol Market Size and Growth Rate (2020-2025) & (M USD)

Figure 94. UAE Biobased 2,3 Butanediol Sales and Growth Rate (2020-2025) & (K MT)

Figure 95. UAE Biobased 2,3 Butanediol Market Size and Growth Rate (2020-2025) & (M USD)

Figure 96. Egypt Biobased 2,3 Butanediol Sales and Growth Rate (2020-2025) & (K MT)

Figure 97. Egypt Biobased 2,3 Butanediol Market Size and Growth Rate (2020-2025) & (M USD)

Figure 98. Nigeria Biobased 2,3 Butanediol Sales and Growth Rate (2020-2025) & (K MT)

Figure 99. Nigeria Biobased 2,3 Butanediol Market Size and Growth Rate (2020-2025) & (M USD)

Figure 100. South Africa Biobased 2,3 Butanediol Sales and Growth Rate (2020-2025) & (K MT)

Figure 101. South Africa Biobased 2,3 Butanediol Market Size and Growth Rate (2020-2025) & (M USD)

Figure 102. Global Biobased 2,3 Butanediol Production Market Share by Region (2020-2025)

Figure 103. North America Biobased 2,3 Butanediol Production (K MT) Growth Rate (2020-2025)

Figure 104. Europe Biobased 2,3 Butanediol Production (K MT) Growth Rate (2020-2025)

Figure 105. Japan Biobased 2,3 Butanediol Production (K MT) Growth Rate (2020-2025)

Figure 106. China Biobased 2,3 Butanediol Production (K MT) Growth Rate (2020-2025)

Figure 107. Global Biobased 2,3 Butanediol Sales Forecast by Volume (2020-2035) & (K MT)

Figure 108. Global Biobased 2,3 Butanediol Market Size Forecast by Value (2020-2035) & (M USD)

Figure 109. Global Biobased 2,3 Butanediol Sales Market Share Forecast by Type (2026-2035)

Figure 110. Global Biobased 2,3 Butanediol Market Share Forecast by Type (2026-2035)

Figure 111. Global Biobased 2,3 Butanediol Sales Forecast by Application (2026-2035)

Figure 112. Global Biobased 2,3 Butanediol Market Share Forecast by Application (2026-2035)

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