

Global Butynediol Synthesis Catalyst Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

<https://marketpublishers.com/r/G133D784C559EN.html>

Date: April 2026

Pages: 74

Price: US\$ 3,480.00 (Single User License)

ID: G133D784C559EN

Abstracts

According to our (Global Info Research) latest study, the global Butynediol Synthesis Catalyst market size was valued at US\$ 66.88 million in 2025 and is forecast to a readjusted size of US\$ 94.51 million by 2032 with a CAGR of 5.7% during review period.

In 2025, global Butynediol Synthesis Catalyst production reached approximately 3,257 tons, with an average global market price of around US\$19,807 per ton. Butynediol synthesis catalyst is a key chemical catalyst used to catalyze the alkylation of acetylene with formaldehyde to produce 1,4-butyne-3-ol. It reduces reaction activation energy and improves reaction rate and selectivity. Common types are supported copper-based catalysts (e.g., copper-bismuth-magnesium-silicon systems), playing a core role in the front-end process of BDO synthesis via the alkyne method, directly affecting intermediate yield and subsequent production efficiency.

The global market for copper-bismuth catalysts used in butynediol synthesis is experiencing steady growth, driven primarily by the production of downstream 1,4-butanediol and its derivatives such as tetrahydrofuran, polybutylene terephthalate, polyurethane, and γ -butyrolactone. A clear trend is the shift towards greener and more sustainable technologies, with industry focus on developing catalysts and processes with a lower environmental footprint, including waste minimization and the use of renewable resources. Concurrently, digital transformation is gaining prominence, with data analytics and artificial intelligence being leveraged to accelerate catalyst discovery and optimize production processes. The emergence of bio-based BDO production routes, for instance through the fermentation of sugars, represents a potential long-term structural shift that could affect reliance on traditional alkyne-based processes and their

catalysts.

Significant opportunities exist within the market. The ongoing industrialization in the Asia-Pacific region, particularly in China, provides strong momentum for catalyst demand. The expanding application of high-performance engineering plastics like PBT in automotive lightweighting, alongside persistent demand for polyurethanes across various industries, continues to pull demand for upstream key raw materials and catalysts. Furthermore, continuous improvements in catalyst efficiency, selectivity, and lifetime remain a crucial avenue for value creation within the industry.

Several restraining factors are present. Uncertainties in international trade policies, such as shifting tariff barriers, can disrupt global supply chains and alter competitive dynamics. Technological competition from alternative production pathways is noteworthy. The commercialization of bio-based BDO production, though currently at a different scale, represents a more sustainable direction and may divert a portion of market demand over time. Additionally, increasingly stringent environmental regulations pose compliance challenges, while continuous performance demands from downstream industries for higher catalyst selectivity and stability present ongoing technical hurdles.

This report is a detailed and comprehensive analysis for global Butynediol Synthesis Catalyst market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Butynediol Synthesis Catalyst market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Butynediol Synthesis Catalyst market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Butynediol Synthesis Catalyst market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Butynediol Synthesis Catalyst market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/Ton), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Butynediol Synthesis Catalyst

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Butynediol Synthesis Catalyst market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include BASF, Shepherd, Dalian Reak Technology, Sunchem, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Butynediol Synthesis Catalyst market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Basic Copper Carbonate Type

Oxide Type

Market segment by Particle Size

Particle Size ?15?m

Particle Size >15?m

Market segment by Copper Content

Copper Content

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global Butynediol Synthesis Catalyst Consumption Value by Type: 2021 Versus 2025 Versus 2032

1.3.2 Basic Copper Carbonate Type

1.3.3 Oxide Type

1.4 Market Analysis by Particle Size

1.4.1 Overview: Global Butynediol Synthesis Catalyst Consumption Value by Particle Size: 2021 Versus 2025 Versus 2032

1.4.2 Particle Size $\leq 15\mu\text{m}$

1.4.3 Particle Size $> 15\mu\text{m}$

1.5 Market Analysis by Copper Content

1.5.1 Overview: Global Butynediol Synthesis Catalyst Consumption Value by Copper Content: 2021 Versus 2025 Versus 2032

1.5.2 Copper Content

List Of Tables

LIST OF TABLES

Table 1. Global Butynediol Synthesis Catalyst Consumption Value by Type, (USD Million), 2021 & 2025 & 2032

Table 2. Global Butynediol Synthesis Catalyst Consumption Value by Particle Size, (USD Million), 2021 & 2025 & 2032

Table 3. Global Butynediol Synthesis Catalyst Consumption Value by Copper Content, (USD Million), 2021 & 2025 & 2032

Table 4. Global Butynediol Synthesis Catalyst Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Table 5. BASF Basic Information, Manufacturing Base and Competitors

Table 6. BASF Major Business

Table 7. BASF Butynediol Synthesis Catalyst Product and Services

Table 8. BASF Butynediol Synthesis Catalyst Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 9. BASF Recent Developments/Updates

Table 10. Shepherd Basic Information, Manufacturing Base and Competitors

Table 11. Shepherd Major Business

Table 12. Shepherd Butynediol Synthesis Catalyst Product and Services

Table 13. Shepherd Butynediol Synthesis Catalyst Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 14. Shepherd Recent Developments/Updates

Table 15. Dalian Reak Technology Basic Information, Manufacturing Base and Competitors

Table 16. Dalian Reak Technology Major Business

Table 17. Dalian Reak Technology Butynediol Synthesis Catalyst Product and Services

Table 18. Dalian Reak Technology Butynediol Synthesis Catalyst Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 19. Dalian Reak Technology Recent Developments/Updates

Table 20. Sunchem Basic Information, Manufacturing Base and Competitors

Table 21. Sunchem Major Business

Table 22. Sunchem Butynediol Synthesis Catalyst Product and Services

Table 23. Sunchem Butynediol Synthesis Catalyst Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 24. Sunchem Recent Developments/Updates

Table 25. Global Butynediol Synthesis Catalyst Sales Quantity by Manufacturer

(2021-2026) & (Tons)

Table 26. Global Butynediol Synthesis Catalyst Revenue by Manufacturer (2021-2026) & (USD Million)

Table 27. Global Butynediol Synthesis Catalyst Average Price by Manufacturer (2021-2026) & (US\$/Ton)

Table 28. Market Position of Manufacturers in Butynediol Synthesis Catalyst, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2025

Table 29. Head Office and Butynediol Synthesis Catalyst Production Site of Key Manufacturer

Table 30. Butynediol Synthesis Catalyst Market: Company Product Type Footprint

Table 31. Butynediol Synthesis Catalyst Market: Company Product Application Footprint

Table 32. Butynediol Synthesis Catalyst New Market Entrants and Barriers to Market Entry

Table 33. Butynediol Synthesis Catalyst Mergers, Acquisition, Agreements, and Collaborations

Table 34. Global Butynediol Synthesis Catalyst Consumption Value by Region (2021-2025-2032) & (USD Million) & CAGR

Table 35. Global Butynediol Synthesis Catalyst Sales Quantity by Region (2021-2026) & (Tons)

Table 36. Global Butynediol Synthesis Catalyst Sales Quantity by Region (2027-2032) & (Tons)

Table 37. Global Butynediol Synthesis Catalyst Consumption Value by Region (2021-2026) & (USD Million)

Table 38. Global Butynediol Synthesis Catalyst Consumption Value by Region (2027-2032) & (USD Million)

Table 39. Global Butynediol Synthesis Catalyst Average Price by Region (2021-2026) & (US\$/Ton)

Table 40. Global Butynediol Synthesis Catalyst Average Price by Region (2027-2032) & (US\$/Ton)

Table 41. Global Butynediol Synthesis Catalyst Sales Quantity by Type (2021-2026) & (Tons)

Table 42. Global Butynediol Synthesis Catalyst Sales Quantity by Type (2027-2032) & (Tons)

Table 43. Global Butynediol Synthesis Catalyst Consumption Value by Type (2021-2026) & (USD Million)

Table 44. Global Butynediol Synthesis Catalyst Consumption Value by Type (2027-2032) & (USD Million)

Table 45. Global Butynediol Synthesis Catalyst Average Price by Type (2021-2026) & (US\$/Ton)

Table 46. Global Butynediol Synthesis Catalyst Average Price by Type (2027-2032) & (US\$/Ton)

Table 47. Global Butynediol Synthesis Catalyst Sales Quantity by Application (2021-2026) & (Tons)

Table 48. Global Butynediol Synthesis Catalyst Sales Quantity by Application (2027-2032) & (Tons)

Table 49. Global Butynediol Synthesis Catalyst Consumption Value by Application (2021-2026) & (USD Million)

Table 50. Global Butynediol Synthesis Catalyst Consumption Value by Application (2027-2032) & (USD Million)

Table 51. Global Butynediol Synthesis Catalyst Average Price by Application (2021-2026) & (US\$/Ton)

Table 52. Global Butynediol Synthesis Catalyst Average Price by Application (2027-2032) & (US\$/Ton)

Table 53. North America Butynediol Synthesis Catalyst Sales Quantity by Type (2021-2026) & (Tons)

Table 54. North America Butynediol Synthesis Catalyst Sales Quantity by Type (2027-2032) & (Tons)

Table 55. North America Butynediol Synthesis Catalyst Sales Quantity by Application (2021-2026) & (Tons)

Table 56. North America Butynediol Synthesis Catalyst Sales Quantity by Application (2027-2032) & (Tons)

Table 57. North America Butynediol Synthesis Catalyst Sales Quantity by Country (2021-2026) & (Tons)

Table 58. North America Butynediol Synthesis Catalyst Sales Quantity by Country (2027-2032) & (Tons)

Table 59. North America Butynediol Synthesis Catalyst Consumption Value by Country (2021-2026) & (USD Million)

Table 60. North America Butynediol Synthesis Catalyst Consumption Value by Country (2027-2032) & (USD Million)

Table 61. Europe Butynediol Synthesis Catalyst Sales Quantity by Type (2021-2026) & (Tons)

Table 62. Europe Butynediol Synthesis Catalyst Sales Quantity by Type (2027-2032) & (Tons)

Table 63. Europe Butynediol Synthesis Catalyst Sales Quantity by Application (2021-2026) & (Tons)

Table 64. Europe Butynediol Synthesis Catalyst Sales Quantity by Application (2027-2032) & (Tons)

Table 65. Europe Butynediol Synthesis Catalyst Sales Quantity by Country (2021-2026)

& (Tons)

Table 66. Europe Butynediol Synthesis Catalyst Sales Quantity by Country (2027-2032)

& (Tons)

Table 67. Europe Butynediol Synthesis Catalyst Consumption Value by Country (2021-2026) & (USD Million)

Table 68. Europe Butynediol Synthesis Catalyst Consumption Value by Country (2027-2032) & (USD Million)

Table 69. Asia-Pacific Butynediol Synthesis Catalyst Sales Quantity by Type (2021-2026) & (Tons)

Table 70. Asia-Pacific Butynediol Synthesis Catalyst Sales Quantity by Type (2027-2032) & (Tons)

Table 71. Asia-Pacific Butynediol Synthesis Catalyst Sales Quantity by Application (2021-2026) & (Tons)

Table 72. Asia-Pacific Butynediol Synthesis Catalyst Sales Quantity by Application (2027-2032) & (Tons)

Table 73. Asia-Pacific Butynediol Synthesis Catalyst Sales Quantity by Region (2021-2026) & (Tons)

Table 74. Asia-Pacific Butynediol Synthesis Catalyst Sales Quantity by Region (2027-2032) & (Tons)

Table 75. Asia-Pacific Butynediol Synthesis Catalyst Consumption Value by Region (2021-2026) & (USD Million)

Table 76. Asia-Pacific Butynediol Synthesis Catalyst Consumption Value by Region (2027-2032) & (USD Million)

Table 77. South America Butynediol Synthesis Catalyst Sales Quantity by Type (2021-2026) & (Tons)

Table 78. South America Butynediol Synthesis Catalyst Sales Quantity by Type (2027-2032) & (Tons)

Table 79. South America Butynediol Synthesis Catalyst Sales Quantity by Application (2021-2026) & (Tons)

Table 80. South America Butynediol Synthesis Catalyst Sales Quantity by Application (2027-2032) & (Tons)

Table 81. South America Butynediol Synthesis Catalyst Sales Quantity by Country (2021-2026) & (Tons)

Table 82. South America Butynediol Synthesis Catalyst Sales Quantity by Country (2027-2032) & (Tons)

Table 83. South America Butynediol Synthesis Catalyst Consumption Value by Country (2021-2026) & (USD Million)

Table 84. South America Butynediol Synthesis Catalyst Consumption Value by Country (2027-2032) & (USD Million)

Table 85. Middle East & Africa Butynediol Synthesis Catalyst Sales Quantity by Type (2021-2026) & (Tons)

Table 86. Middle East & Africa Butynediol Synthesis Catalyst Sales Quantity by Type (2027-2032) & (Tons)

Table 87. Middle East & Africa Butynediol Synthesis Catalyst Sales Quantity by Application (2021-2026) & (Tons)

Table 88. Middle East & Africa Butynediol Synthesis Catalyst Sales Quantity by Application (2027-2032) & (Tons)

Table 89. Middle East & Africa Butynediol Synthesis Catalyst Sales Quantity by Country (2021-2026) & (Tons)

Table 90. Middle East & Africa Butynediol Synthesis Catalyst Sales Quantity by Country (2027-2032) & (Tons)

Table 91. Middle East & Africa Butynediol Synthesis Catalyst Consumption Value by Country (2021-2026) & (USD Million)

Table 92. Middle East & Africa Butynediol Synthesis Catalyst Consumption Value by Country (2027-2032) & (USD Million)

Table 93. Butynediol Synthesis Catalyst Raw Material

Table 94. Key Manufacturers of Butynediol Synthesis Catalyst Raw Materials

Table 95. Butynediol Synthesis Catalyst Typical Distributors

Table 96. Butynediol Synthesis Catalyst Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. Butynediol Synthesis Catalyst Picture

Figure 2. Global Butynediol Synthesis Catalyst Revenue by Type, (USD Million), 2021 & 2025 & 2032

Figure 3. Global Butynediol Synthesis Catalyst Revenue Market Share by Type in 2025

Figure 4. Basic Copper Carbonate Type Examples

Figure 5. Oxide Type Examples

Figure 6. Global Butynediol Synthesis Catalyst Revenue by Particle Size, (USD Million), 2021 & 2025 & 2032

Figure 7. Global Butynediol Synthesis Catalyst Revenue Market Share by Particle Size in 2025

Figure 8. Particle Size $\leq 15\mu\text{m}$ Examples

Figure 9. Particle Size $>15\mu\text{m}$ Examples

Figure 10. Global Butynediol Synthesis Catalyst Revenue by Copper Content, (USD Million), 2021 & 2025 & 2032

Figure 11. Global Butynediol Synthesis Catalyst Revenue Market Share by Copper Content in 2025

Figure 12. Copper Content

I would like to order

Product name: Global Butynediol Synthesis Catalyst Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

Product link: <https://marketpublishers.com/r/G133D784C559EN.html>

Price: US\$ 3,480.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G133D784C559EN.html>