

Global Copper Bismuth Catalyst Market Growth 2026-2032

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Abstracts

The global Copper Bismuth Catalyst market size is predicted to grow from US\$ 63.10 million in 2025 to US\$ 89.84 million in 2032; it is expected to grow at a CAGR of 6.0% from 2026 to 2032.

Copper bismuth catalyst is a composite catalyst with copper (Cu) and bismuth (Bi) as main active components, often supported on carriers like magnesium silicate. It is mainly used in the alkynal method for synthesizing 1,4-butyne diol (e.g., the front-end process of BDO production). By synergistic effect, it reduces the activation energy of the reaction between acetylene and formaldehyde, improves reaction selectivity and intermediate yield, featuring high catalytic efficiency and good stability.

In 2025, global copper bismuth catalyst production reached 3,256.6 tons, with an average selling price of US\$19,807 per ton. The total global capacity was approximately 3,800 tons, and the average gross margin was approximately 51%.

The development of the copper bismuth catalyst market is intrinsically linked to the evolution of the 1,4-butanediol industry. Currently, demand is increasingly concentrated in China, with its resource-rich northwest emerging as the primary hub for BDO capacity expansion. This shift is fostering a procurement model centered on group-level centralized sourcing and long-term framework agreements, thereby strengthening buyers' bargaining power. Technologically, products are evolving from standardized formulations toward supported and customized solutions, where carrier and promoter modifications are key to enhancing performance, shifting competitive focus to integrated technical service capabilities. Downstream demand is now driven by a dual engine: biodegradable polyesters and new energy solvents, injecting new growth momentum and cyclical resilience into the market. Consequently, the competitive landscape is

bifurcating. Leading suppliers with proven track records in large-scale plant validation and stable supply secure major clients, while regional players with rapid response capabilities cater to niche markets, intensifying competition in both price and service.

The production of copper bismuth catalysts is mainly concentrated in North America, Europe, and China. Major manufacturers include BASF, Shepherd, and Dalian Reak Technology, with the top three manufacturers accounting for approximately 95% of the market share by 2025. The Asia-Pacific region is the primary consumer of copper bismuth catalysts, with a consumption share of approximately 94% projected by 2025. From a product type perspective, copper bismuth catalysts can be divided into basic copper carbonate type (carrier-free) and oxide type (oxide supported). Shepherd is a representative manufacturer of basic copper carbonate type catalysts, which are used in INVISTA processes; BASF is a representative manufacturer of oxide type catalysts, which are used in 3D processes (ISP). Currently, basic copper carbonate type is the most prevalent type, accounting for approximately 57% of the market share.

LP Information, Inc. (LPI) ' newest research report, the "Copper Bismuth Catalyst Industry Forecast" looks at past sales and reviews total world Copper Bismuth Catalyst sales in 2025, providing a comprehensive analysis by region and market sector of projected Copper Bismuth Catalyst sales for 2026 through 2032. With Copper Bismuth Catalyst sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Copper Bismuth Catalyst industry.

This Insight Report provides a comprehensive analysis of the global Copper Bismuth Catalyst landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Copper Bismuth Catalyst portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Copper Bismuth Catalyst market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Copper Bismuth Catalyst and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Copper Bismuth Catalyst.

This report presents a comprehensive overview, market shares, and growth opportunities of Copper Bismuth Catalyst market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Basic Copper Carbonate Type

Oxide Type

Segmentation by Particle Size:

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

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

Segmentation by Copper Content:

Copper Content

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