

Sodium Metabisulfite Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2024–2032

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Abstracts

The Global Sodium Metabisulfite Market reached a valuation of USD 435 million in 2023 and is projected to expand at a 6.3% CAGR from 2024 to 2032. The market growth is largely driven by the flourishing food and beverage industry, particularly in developed markets such as the U.S., where there is a rising demand for food packaging solutions to preserve food quality. This inorganic compound, comprising oxygen, sodium, and sulfur, is soluble in both water and glycerin, making it highly versatile for use across multiple industries. Sodium metabisulfite, due to its antimicrobial properties, serves various roles such as leavening agent, preservative, antioxidant, reducing agent, disinfectant, color fixative, and bleaching agent. It is frequently utilized in alcoholic beverages, pastries, dried fruits, juices, and other consumables.

In industrial applications, the compound is essential for effluent water treatment, where it helps remove chlorine and for purifying aldehydes and ketones. The ongoing growth in global population, particularly in developing countries, has heightened the need for effective wastewater treatment solutions, driving up demand for sodium metabisulfite in water treatment applications. The market is segmented by grade into food grade, industrial/technical grade, and photo grade. Among these, the industrial/technical grade segment is anticipated to reach USD 709 million by 2032, growing at a 6.3% CAGR. This segment benefits from the product's versatility, with widespread applications in pulp and paper, textile, and pharmaceutical industries. Notably, industrial usage includes serving as a bleaching agent in textiles, an oxygen scavenger in steam boilers, and a floating agent in mining. With the rapid growth of the textile industry in Asia, there is a strong demand for fibers such as silk, viscose, and hemp, which drives regional consumption. In terms of application, the pulp and paper segment held a significant market share in 2023, valued at USD 195 million with an expected 6.3% CAGR. The demand is robust in food and beverage, water treatment, and chemical and

pharmaceutical sectors due to its preservative, antioxidant, and reactive properties. The textile and leather industries also contribute, albeit at a slower growth rate, due to their reliance on bleaching and tanning. Meanwhile, the photographic sector is experiencing a decline as digital alternatives take precedence. The Asia Pacific region, driven by markets like China, India, and South Korea, is forecast to reach USD 335.5 million with a 6.6% CAGR.

Factors fueling growth include rising consumer incomes, increasing demand for designer leather goods, and governmental support for sustainable alternatives to plastic.

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