

**Biocides Market by Type (Non-oxidizing Biocides, Oxidizing Biocides), Application (Water Treatment, Industrial & Institutional Cleaning and Home Care, Paints & Coatings, Wood Preservatives), and Region - Global Forecast to 2029**

Market Report | 2024-08-09 | 303 pages | MarketsandMarkets

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**Report description:**

The biocides market is poised for significant growth, with a projected value of USD 12.3 billion by 2029, exhibiting a robust CAGR of 4.9% from its 2024 value of USD 9.7 billion. The biocides market is witnessing substantial growth, primarily driven by two key factors. The expansion of industrial activities and the increasing focus on water treatment plant. As industries such as oil and gas, power plant, and manufacturing continue to grow, the need for biocides becomes necessary for water treatment processes, ensuring safety, and meeting regulatory standards. Biocides play a vital role in maintaining proper hygiene of treated water. "Oxidizing segment is estimated to be the second fastest-growing type for biocides market during the forecast period 2024 to 2029."

In addition to their quick action against a variety of microorganisms and broad-spectrum efficacy, oxidizing biocides are anticipated to grow at the second-fastest rate in the biocides market between 2024 and 2029. They work especially well on water systems that are susceptible to biofilm formation, like drinking water systems, wastewater treatment facilities, and cooling towers. Due to their adaptability, oxidizing biocides are the method of choice in areas where industrial activity and infrastructural projects are growing. Furthermore, oxidizing biocides' efficacy and stability have been enhanced by continuous formulation technology developments, which makes them more appealing for complex systems and long-term use. All of these elements work together to propel the market for oxidizing biocides forward faster.

"Paints & coatings was the third largest segment in biocides market in 2023, in terms of value."

Due to the crucial role biocides play in insulating these products from microbial destruction, the paints and coatings industry is expected to be the third-largest segment in the biocides market by 2023. In order to stop bacteria, fungi, and algae from growing and causing discoloration, odor, and structural damage, biocides are added to paints and coatings. For outdoor applications, where products are subjected to a variety of environmental factors that may encourage the growth of microorganisms, this

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protection is especially important. The need for biocides is further fueled by the growing usage of water-based paints, which are more prone to microbial contamination. In addition, a greater use of biocides in paints and coatings, cementing, and other building materials has resulted from the growth of infrastructure and building activities around the world as well as a drive toward more durable and sustainable products..

"Asia Pacific is estimated to be the second fastest growing segment of biocides market during forecasted year from 2024 to 2029, in terms of value."

The demand for biocides in a variety of sectors is driven by accelerated industrialization, urbanization, and population growth, making Asia Pacific the second-fastest-growing region in the biocides market from 2024 to 2029. Effective antimicrobial solutions are necessary to maintain safety and regulatory compliance in the region's developing construction, healthcare, water treatment, and food processing industries. The market is growing because of rising customer awareness of and demand for cleanliness and hygiene in both residential and commercial settings. Infrastructure growth and government programs to enhance sanitation and water quality contribute to the growing need for biocides. Furthermore, the region's expanding emphasis on green biocides and environmental sustainability fits with worldwide trends, which promotes market expansion.

In the meticulous process of determining and verifying market sizes for multiple segments and subsegments, extensive primary interviews were conducted. A breakdown of the profiles of the primary interviewees are as follows:

- By Company Type: Tier 1 - 69%, Tier 2 - 23%, and Tier 3 - 8%
  - By Designation: - Director Level - 27%, C-Level - 25%, and Others - 48%
  - By Region: North America - 32%, Europe - 28%, Asia Pacific - 21%, South America - 12%, and Middle East & Africa - 7%
- The key market players illustrated in the report include LANXESS AG (Germany), Veolia Group (France), Arxada AG (Switzerland), Ecolab Inc. (US), Nouryon (Netherlands), General Electric Company (US), Evonik Industries AG (Germany), Solvay SA (Belgium), and Clariant AG (Switzerland).

Research Coverage

This report segments the market for biocides market based on type, application, and region, and provides estimations for the overall value (USD Million) of the market across various regions. A detailed analysis of key industry players has been conducted to provide insights into their business overviews, products & services, key strategies, new product launches, expansions, and mergers & acquisition associated with the market for biocides.

Reasons to buy this report

This research report is focused on various levels of analysis - industry analysis (industry trends), market ranking analysis of top players, and company profiles, which together provide an overall view on the competitive landscape; emerging and high-growth segments of the biocides market; high-growth regions; and market drivers, restraints, opportunities, and challenges.

The report provides insights on the following pointers:

- Analysis of key drivers (Increase in antimicrobial protection in end-use industries, stringent regulatory environment, government focus on consumption of clean water), restraints (lengthy and expensive registration process, environmental regulations on toxic biocides), opportunities (rising demand for green biocides, emerging applications of biocidal products), and challenges (fluctuating raw material prices).
- Market Penetration: Comprehensive information on biocides market offered by top players in the global biocides market.
- Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product launches in the biocides market.
- Market Development: Comprehensive information about lucrative emerging markets - the report analyzes the markets for biocides market across regions
- Market Diversification: Exhaustive information about new products, untapped regions, and recent developments in the global biocides market
- Competitive Assessment: In-depth assessment of market shares, strategies, products, and manufacturing capabilities of leading players in the biocides market
- Impact of AI/GenAI on biocides market

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First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>

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Date

2025-05-20

Signature



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