

Biocides Market By Type (Oxidizing Biocides, Non-Oxidizing Biocides), By End-Use Industry (Personal Care, Food and Beverage, Home Care, Construction, Agriculture, Healthcare, Water Treatment, Paints and Coatings, Others): Global Opportunity Analysis and Industry Forecast, 2024-2033

Market Report | 2025-01-01 | 350 pages | Allied Market Research

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Report description:

The global biocides market was valued at \$8.6 billion in 2023 and is projected to reach \$13.1 billion by 2033, growing at a CAGR of 4.4% from 2023 to 2033.

Biocides are chemical substances or microorganisms that control or eliminate harmful organisms such as bacteria, viruses, fungi, algae, and pests from various settings. They find applications in various industries such as healthcare, agriculture, water treatment, and manufacturing as biocides prevent contamination, preserve materials, and ensure hygiene & safety. Common types of biocides include disinfectants, preservatives, pest control agents, and antifouling products.

Governments and health organizations globally have implemented strict guidelines to ensure public health, food safety, and environmental protection, which act as a major driver of the biocides market. These regulations mandate the use of effective antimicrobial agents to control harmful microorganisms in critical areas such as healthcare settings, food processing facilities, and water treatment plants. Moreover, the healthcare industry relies heavily on biocides for sterilization and disinfection to prevent hospital-acquired infections, which augments the market growth notably. To improve the performance of biocides and ensure their safety, development of novel formulations is currently trending among manufacturers. They are focusing on the incorporation of microemulsions, hybrid nanocomposites, and nanoemulsions to enhance the biocidal activity and increase water solubility, making the chemical effective at low concentrations.

However, the process of registering & commercializing a new biocidal product is a time- and capital-intensive process that hampers the market growth as it requires substantial investments in R&D and regulatory compliance. With changing regulations around the trading of biocides, manufacturers are expected to conduct extensive testing to demonstrate the safety, efficacy, and environmental impact of their products. For instance, the Canadian Government has modified the control of these chemicals with

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the newly registered "Biocides Regulations" that are set to come into force in May 2025. Under these regulations, biocides are projected to undergo a pre-market assessment with the Natural and Non-prescription Health Products Directorate of Canada and be issued with a market authorization before their import, selling, or advertising. On the contrary, increase in research for the development of bio-based biocides using bacteriophages, essential oils, and biopolymers is anticipated to present lucrative opportunities for the market. This is attributed to rise in awareness among consumers regarding the environmental benefits and health advantages of plant-based biocides. □

Segment Review□

The biocides market is segmented into type, end-use industry, and region. On the basis of type, the market is bifurcated into oxidizing biocides and non-oxidizing biocides. As per end-use industry, it is classified into personal care, food & beverage, home care, construction, agriculture, healthcare, water treatment, paints & coatings, and others. Region wise, it is analyzed across North America, Europe, Asia-Pacific, and LAMEA.□

Competitive Analysis□

Key players in the biocides market include BASF SE, Clariant, Solvay S.A., Ecolab, LANXESS, THOR Group Limited, Stepan Company, Kemira, Arkema S.A., and Evonik Industries AG.□

Key Benefits for Stakeholders□

This report provides a quantitative analysis of the market segments, current trends, estimations, and dynamics of the biocides market analysis from 2023 to 2033 to identify the prevailing biocides market opportunities.□

The market research is offered along with information related to key drivers, restraints, and opportunities.□

Porter's five forces analysis highlights the potency of buyers and suppliers to enable stakeholders make profit-oriented business decisions and strengthen their supplier-buyer network.□

In-depth analysis of the biocides market segmentation assists to determine the prevailing market opportunities.□

Major countries in each region are mapped according to their revenue contribution to the global market.□

Market player positioning facilitates benchmarking and provides a clear understanding of the present position of the market players.□

The report includes the analysis of the regional as well as global biocides market trends, key players, market segments, application areas, and market growth strategies.

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- Regulatory Guidelines
- Additional company profiles with specific to client's interest
- Additional country or region analysis- market size and forecast
- Expanded list for Company Profiles
- Historic market data
- Import Export Analysis/Data
- Key player details (including location, contact details, supplier/vendor network etc. in excel format)
- List of customers/consumers/raw material suppliers- value chain analysis
- SWOT Analysis
- Volume Market Size and Forecast

Key Market Segments

By Type

- Oxidizing Biocides
- Non-Oxidizing Biocides

By End-Use Industry

- Personal Care
- Food and Beverage
- Home Care
- Construction
- Agriculture
- Healthcare
- Water Treatment
- Paints and Coatings
- Others

By Region

- North America
- U.S.
- Canada
- Mexico
- Europe
- Germany
- UK
- France
- Spain
- Italy
- Rest of Europe
- Asia-Pacific
- China
- India
- Japan
- South Korea
- Australia
- Rest of Asia-Pacific
- LAMEA
- Brazil
- Saudi Arabia
- South Africa

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- Rest of LAMEA
- Key Market Players
- BASF SE
- CLARIANT
- Solvay S.A.
- Ecolab
- LANXESS
- Thor Group Limited
- Stepan Company
- Kemira
- Arkema S.A.
- Evonik Industries AG

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