

North America Biocides Market Report and Forecast 2025-2034

Market Report | 2025-06-29 | 171 pages | EMR Inc.

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Report description:

The North America biocides market size reached approximately USD 2.97 Billion in 2024. The market is projected to grow at a CAGR of 4.00% between 2025 and 2034, reaching a value of around USD 4.40 Billion by 2034.

Key Trends in the Market

Biocides are chemical substances or microorganisms designed to control, deter, or destroy harmful organisms such as bacteria, fungi, algae, and viruses. They are used in various fields, including agriculture, healthcare, water treatment, and industrial processes, to prevent or eliminate the growth of unwanted microorganisms. Biocides can be found in products like disinfectants, preservatives, pesticides, and antimicrobial agents.

- Regulations play a pivotal role in shaping the North America biocides market growth. Government agencies such as the Environmental Protection Agency (EPA) in the United States and the Health Canada set guidelines and standards for the use of biocidal products. Recent trends indicate a tightening of regulations to ensure the safety and efficacy of biocides while minimising their environmental impact. This has led to a shift towards the development of eco-friendly and sustainable biocide products.

- Advancements in technology have been a driving force behind the North America biocides market demand. Innovations in formulations, manufacturing processes, and delivery systems have enhanced the efficiency and effectiveness of biocidal products. Nanotechnology, for instance, has enabled the development of nano-sized biocides with improved antimicrobial properties. Additionally, the integration of digital technologies like IoT (Internet of Things) and AI (Artificial Intelligence) is revolutionising biocide application and monitoring systems, optimising their usage and reducing wastage.

- The demand for biocides across diverse sectors such as healthcare, water treatment, agriculture, and consumer goods continues to aid the growth of the North American biocides market. In the healthcare sector, biocides are integral in disinfection and sterilisation processes to prevent healthcare-associated infections. The water treatment sector relies on biocides to maintain water quality and prevent microbial contamination. Similarly, in agriculture, biocides are used as crop protection agents to

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enhance agricultural productivity by controlling pests, fungi, and weeds.

North America Biocides Market Segmentation

The EMR's report titled "North America Biocides Market Report and Forecast 2025-2034" offers a detailed analysis of the market based on the following segments:

Market Breakup by Type:

- Halogen Compounds
- Metallic Compounds
- Organosulfur
- Organic Acids
- Phenolics
- Others

Market Breakup by Application:

- Water Treatment
- Pharmaceutical and Personal Care
- Wood Preservation
- Food and Beverage
- Paints and Coatings
- Others

Market Breakup by Region:

- United States of America
- Canada

Market Share by Type

According to the North America biocides market analysis, halogen compound biocides are utilised across various sectors in the region for their antimicrobial properties and effectiveness in controlling or eliminating microorganisms.

Halogen-based biocides like chlorine and bromine compounds are extensively employed in water treatment processes, which is expected to drive the market. They are added to drinking water, swimming pools, wastewater, and industrial water systems to disinfect and eliminate bacteria, viruses, and other harmful microorganisms.

Market Share by Country

The United States of America is expected to hold a dominating position, occupying a large portion of the North America biocides market share. The country has a vast industrial landscape across multiple sectors, including healthcare, water treatment, agriculture, manufacturing, and consumer goods. The extensive use of biocides in these sectors to ensure hygiene, prevent microbial contamination, and protect products and processes contributes significantly to the market size.

Moreover, the U.S. is a hub for research and development in various fields. Continuous technological advancements and

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investments in biocide formulations, delivery systems, and applications drive the market's growth.

Competitive Landscape

The comprehensive EMR report provides an in-depth assessment of the market based on Porter's five forces model along with giving a SWOT analysis. The report gives a detailed analysis of the following key players in the North America biocides market, covering their competitive landscape and the latest developments like mergers, acquisitions, investments, and expansion plans.

BASF SE

BASF SE is a multinational chemical company headquartered in Germany. It's one of the largest chemical producers globally, offering a wide range of products, including chemicals, plastics, performance products, agricultural solutions, and oil and gas solutions. The company provides various biocidal products used in different sectors such as water treatment, healthcare, agriculture, and industrial applications. Their offerings include disinfectants, preservatives, and antimicrobial solutions.

Solvay SA

Solvay SA is a Belgian multinational company specialising in chemicals, plastics, and advanced materials. It operates in various sectors such as chemicals, advanced materials, and performance chemicals. Solvay offers a range of chemical products, including biocides. Their biocidal products are used in applications such as surface decontamination and hygiene solutions in healthcare and industrial settings.

Ecolab, Inc.

Ecolab, Inc. is a prominent American multinational corporation focusing on water, hygiene, and energy technologies and services. Established in 1923 and headquartered in St. Paul, Minnesota, Ecolab operates across 170 countries, serving customers in various sectors, including food and beverage, healthcare, hospitality, industrial, and energy.

Other key players in the North America biocides market are Evonik Industries AG, Lanxess AG, Arxada AG, Baker Hughes Company, Clariant International Ltd., Lenntech B.V., and Albemarle Corporation, among others.

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