

Speciality Biocides Market Growth Analysis Report - Market Size, Share, Forecast Trends and Outlook (2025-2034)

Market Report | 2025-08-13 | 170 pages | EMR Inc.

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Report description:

The global speciality biocides market was valued at USD 2.25 Billion in 2024 . The industry is expected to grow at a CAGR of 5.80% during the forecast period of 2025-2034 to attain a valuation of USD 3.95 Billion by 2034 .

Description

Value

Base Year

USD Billion

2024

Historical Period

USD Billion

2018-2024

Forecast Period

USD Billion

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2025-2034

Market Size 2024

USD Billion

2.25

Market Size 2034

USD Billion

3.95

CAGR 2018-2024

Percentage

XX%

CAGR 2025-2034

Percentage

5.80%

CAGR 2025-2034- Market by Region

7.1%

CAGR 2025-2034 - Market by Country

10.2%

CAGR 2025-2034 - Market by Country

7.4%

CAGR 2025-2034 - Market by Application

6.6%

Speciality Biocides Industry Segmentation

A speciality biocide refers to a chemical compound/microorganism that is used to prevent, kill, and monitor chemical or biological harmful organisms. Speciality biocides include active biocidal agent and the biocidal component. The biocidal active agents are primarily chemical or microorganisms. Many active biocidal compounds are highly toxic. Examples of highly toxic active chemicals

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are carbon dioxide, which only demonstrates biocidal activity under certain conditions such as in closed systems. The biocidal products include one or more biocidal active ingredients and may include other non-active components, like pH, viscosity, colour, and odour, which guarantee their efficiency and desirable characteristics.

The speciality biocides market can be divided based on product into the following:

- Nitrogen
- Inorganics
- Organosulphur
- Organic Acid
- Phenolics
- Metallic Compounds
- Others

The speciality biocides market can be broadly categorised based on its applications into:

- Water Treatment
- Wood Preservation
- Hygiene and Disinfectants
- Paints and Coatings
- Food and Beverage
- Personal Care
- Antifouling
- Oil and Gas
- Agriculture
- Others

The EMR report looks into the regional speciality biocides markets like:

- North America
- Europe
- Asia Pacific
- Latin America
- Middle East and Africa

Market Analysis

The popularity of silver-based biocides among end-users is increasing due to its various beneficial properties. Silver helps inhibit multiple types of microbes' development. It also prevents microbiological degradation of goods like discolouration, physical damage, corrosion, and smell. The antimicrobial characteristics of silver make it an ideal for use in the medical sector as a biocidal agent, including treatments. These advantages of silver-based biocides will improve their use in the food, plastics and paint, and coating industries and will accelerate the development of the speciality biocidal industry.

CAGR 2025-2034 - Market by

Country

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10.2%
7.4%
6.8%
6.6%
5.8%
XX%
XX%
3.9%
XX%
XX%
XX%
XX%
XX%

The rapidly rising population and the rapid urbanisation has led to an increase in water usage and wastewater treatment, which are driving the speciality biocides market growth. The treatment of wastewater has proven to be an ideal solution to meet the increasing need for water. Speciality biocides are generally favoured above other water purification methods like adsorption, bioreactors, vacuum evaporation, electrodialysis, and UV disinfection due to their high antimicrobial activity and superior resistance to pollutants. The product's efficient properties of purification have accelerated the adoption of unique biocides for water and wastewater treatments by the food and beverage, pharmaceutical, chemical, and petrochemical industries. In the forecast period, the increasing significance of wastewater recycling and water reuse will be a major factor driving the speciality biocides market growth.

Competitive Landscape

The report presents a detailed analysis of the following key players in the global speciality biocides market, looking into their capacity, market shares, and latest developments like capacity expansions, plant turnarounds, and mergers and acquisitions:

- BASF SE [BAS (ETR)]
- Clariant International Ltd. [JEC Group.]
- Lonza Group AG [LONN (SWX)]
- Nouryon
- Thor Group Ltd.
- Others

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The EMR report gives an in-depth insight into the speciality biocides market by providing a SWOT analysis as well as an analysis of Porter's Five Forces model.

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