

Isothiazolinone Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Sales Channel (Direct, Indirect), By End Use (Water treatment, Papermaking Products, Household Cleaning, Adhesives, Paints & Coatings, Others), By Region and Competition, 2020-2030F

Market Report | 2025-04-30 | 185 pages | TechSci Research

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Report description:

Market Overview

The Global Isothiazolinone Market was valued at USD 275.28 Million in 2024 and is projected to reach USD 455.21 Million by 2030, growing at a CAGR of 1.36% during the forecast period. Isothiazolinones, known for their antimicrobial properties, are widely utilized in numerous applications to inhibit the growth of bacteria, fungi, and algae. These compounds help enhance product shelf life without compromising safety or quality. Their broad usage spans across personal care items such as shampoos, lotions, and cosmetics, as well as household cleaning products, due to increasing consumer demand for hygiene and effective preservation. This market growth is further supported by heightened awareness of sanitation and extended product usability, fueling demand across multiple end-user sectors.

Key Market Drivers

Growing Use of Isothiazolinone in Water Treatment

A primary factor fueling the expansion of the global isothiazolinone market is its rising use in water treatment processes. Products like BIOCIDE IBN10, which combine Bronopol and isothiazoline derivatives, offer broad-spectrum antimicrobial efficacy while being biodegradable and water-soluble. These chemicals, including methylisothiazolinone (MIT) and chloroisothiazolinone (CIT), are pivotal in protecting industrial water systems from microbial build-up, maintaining operational safety and efficiency. Their application spans industrial, agricultural, and municipal water systems, such as cooling towers and wastewater treatment plants. Additionally, increasing global emphasis on water conservation-evidenced by awareness initiatives like the 2025 PM SHRI Kendriya Vidyalaya Fort William campaign-has reinforced the need for effective water treatment solutions, thereby boosting demand for isothiazolinones.

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Key Market Challenges

Growing Availability of Alternative Preservatives

The growing availability of alternative preservatives presents a significant challenge to the global isothiazolinone market. As consumer preferences shift toward safer and more natural ingredients, especially in personal care and household products, manufacturers are increasingly adopting substitutes such as phenoxyethanol, ethylhexylglycerin, and natural preservatives like essential oils. These alternatives are gaining popularity for their safer profiles and environmental compatibility. In response to regulatory pressures and rising concerns about allergic reactions linked to isothiazolinones-especially in Europe and North America-many companies are reformulating products to reduce or eliminate these compounds. This trend threatens the market share of traditional isothiazolinone producers as they face growing competition from milder, more sustainable solutions.

Key Market Trends

Growing Use of Isothiazolinone in Textile Industry

The increasing application of isothiazolinones in the textile industry is becoming a notable trend in the global market. These compounds, particularly MIT and CIT, are extensively used in textile production for their strong antimicrobial and preservative qualities. Companies like SANITIZED offer specialized formulations containing isothiazolinones for textile and polymer uses, providing protection against microbial growth and discoloration. These biocides are applied to products such as carpets, mattresses, and filters, enhancing product durability and hygiene. With rising demand for performance-enhanced textiles-especially in segments like activewear and hospital linens-manufacturers are increasingly turning to isothiazolinones to ensure long-term material integrity and consumer safety, thereby propelling market expansion.

Key Market Players

- Shiva Performance Speciality Private Limited
- Paxchem Ltd.
- Navin Fluorine International Limited
- Pax Hygiene Ltd.
- Dalian Sinobio Chemistry Co.,Ltd.
- QUZHOU EBRIGHT CHEMICALS CO., LTD.
- Suzhou Senfeida Chemical Co., Ltd.
- Unilong Industry Co., Ltd
- Shanghai Sunwise Chemical Co., Ltd
- BioTio Corp. Ltd.

Report Scope

In this report, the Global Isothiazolinone Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

- Isothiazolinone Market, By Sales Channel:

- o Direct
- o Indirect

- Isothiazolinone Market, By End Use:

- o Water treatment
- o Papermaking Products
- o Household Cleaning
- o Adhesives
- o Paints & Coatings
- o Others

- Isothiazolinone Market, By Region:

- o North America
 - United States
 - Canada
 - Mexico

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 - China
 - India
 - Japan
 - Australia
 - South Korea
- o South America
 - Brazil
 - Argentina
 - Colombia
- o Middle East & Africa
 - South Africa
 - Saudi Arabia
 - UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Isothiazolinone Market.

Available Customizations

Global Isothiazolinone Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

- Detailed analysis and profiling of additional market players (up to five).

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