

Bromine Biocides Market Size, Share & Trends Analysis Report By End Use (Power Generation, Oil & Gas, Chemical & Petrochemical, Pulp & Paper, Food & Beverage Processing), By Region And Segment Forecasts, 2026 - 2033

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Abstracts

Bromine Biocides Market Summary

The global bromine biocides market size was estimated at USD 788.9 million in 2025 and is projected to reach USD 1,183.4 million by 2033, growing at a CAGR of 5.2% from 2026 to 2033. The growth is being supported by increasing demand for industrial water treatment solutions, particularly across oil & gas, power generation, and municipal wastewater treatment sectors.

Rising regulatory focus on quality, coupled with the superior performance of bromine-based biocides in high-temperature and high-pH environments. The bromine biocides market is primarily driven by the rising demand for efficient microbial control solutions across industrial water treatment systems, particularly in power generation, oil & gas, and chemical processing industries. Increasing regulatory scrutiny of water discharge quality and hygiene standards is compelling industries to adopt more effective, stable disinfection chemistries, where bromine-based biocides offer advantages such as performance across a wide pH range and effectiveness at high temperatures. The expansion of cooling systems, HVAC infrastructure, and industrial recycling processes is further accelerating the adoption of bromine-based formulations that enhance operational efficiency and minimize biofouling-related downtime.

Growth opportunities are emerging from the global shift toward sustainable management practices, including water reuse, recycling, and zero-liquid-discharge

systems, in which bromine biocides demonstrate strong adaptability across varying chemistries. Rapid industrialization in developing regions such as the Asia Pacific and the Middle East is creating a robust demand base for cost-effective and high-performance biocide solutions. The advancements in stabilized bromine formulations and controlled-release technologies are enabling safer handling, improved efficacy, and broader application scope across sectors such as healthcare, food processing, and recreational water treatment.

Global Bromine Biocides Market Report Segmentation

This report forecasts volume & revenue growth at global, regional, and country levels and provides an analysis of the latest industry trends in each of the sub-segments from 2021 to 2033. For this study, Grand View Research has segmented the global bromine biocides market report based on end use and region:

End Use Outlook (Volume, Kilotons; Revenue, USD Million; 2021 - 2033)

Power Generation

Oil & Gas

Chemical & Petrochemical

Pulp & Paper

Food & Beverage Processing

Municipal Water & Wastewater Treatment

Other End Uses

Regional Outlook (Volume, Kilotons; Revenue, USD Million; 2021 - 2033)

North America

U.S.

Canada

Mexico

Europe

Germany

UK

France

Italy

Spain

Asia Pacific

China

India

Japan

South Korea

Middle East & Africa

Saudi Arabia

South Africa

Latin America

Brazil

Argentina

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