

Global Boiler Water Treatment Chemicals Market Size Study & Forecast, by Type (Oxygen Scavengers, Sludge Conditioners, Alkalinity Builders), Conditioning Method (External, Internal), End-Use Industry (Power, Oil & Gas, Chemicals & Petrochemical), and Regional Forecasts 2025–2035

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Abstracts

The Global Boiler Water Treatment Chemicals Market is valued at approximately USD 5.26 billion in 2024 and is anticipated to register a healthy compound annual growth rate (CAGR) of 10.80% over the forecast period 2025 to 2035. Boiler water treatment chemicals play an indispensable role in maintaining operational efficiency, minimizing corrosion, and enhancing the longevity of boiler systems used across diverse industrial landscapes. These chemical agents are specifically formulated to condition feed water, reduce scale buildup, remove dissolved oxygen, and control alkalinity—ensuring optimal performance and safety of boiler systems. With industries worldwide striving to achieve energy efficiency and regulatory compliance, the demand for tailored boiler water treatment solutions is surging.

As industries increasingly shift toward energy-intensive operations, the need to manage heat generation systems safely and sustainably is paramount. The rising consumption of electricity, especially in rapidly industrializing regions, has spurred the construction of new thermal power plants and the modernization of existing ones—creating a robust demand for boiler water treatment chemicals. Furthermore, industries such as oil & gas, petrochemicals, and manufacturing are placing stronger emphasis on operational uptime and equipment protection, thereby accelerating the adoption of customized chemical formulations that prevent scaling, corrosion, and fouling. Technological advances in monitoring and dosing systems are also enhancing chemical application

precision, reducing waste and bolstering cost-effectiveness for end-users.

Regionally, North America commands a significant share in the global boiler water treatment chemicals market, thanks to its expansive power generation infrastructure and stringent environmental regulations mandating zero liquid discharge and boiler maintenance protocols. Europe follows closely, driven by sustainability directives and an aging industrial base requiring performance-enhancing treatment solutions. Meanwhile, Asia Pacific is expected to exhibit the fastest growth trajectory through 2035, buoyed by rapid industrialization in economies such as China and India. These nations are witnessing significant investments in thermal and nuclear power projects, coupled with growing awareness about water conservation and boiler system efficiency. Latin America and the Middle East & Africa are also demonstrating steady progress, driven by emerging manufacturing hubs and infrastructure development initiatives.

Major market player included in this report are:

BASF SE

Baker Hughes Company

Halliburton Company

Schlumberger Limited.

Chevron Phillips Chemical Company

Croda International Plc.

Impact Fluid Solutions

Trican Well Service Ltd.

M&D Industries Of Louisiana, Inc.

Aubin Group

Kemira Oyj

Ecolab Inc.

Veolia Water Technologies

Solenis LLC

Kurita Water Industries Ltd.

Global Boiler Water Treatment Chemicals Market Report Scope:

Historical Data – 2023, 2024

Base Year for Estimation – 2024

Forecast period – 2025–2035

Report Coverage – Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Regional Scope – North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope – Free report customization (equivalent up to 8 analysts' working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values for the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within the countries involved in the study. The report also provides detailed information about crucial aspects, such as driving factors and challenges, which will define the future growth of the market. Additionally, it incorporates potential opportunities in micro-markets for stakeholders to invest, along with a detailed analysis of the competitive landscape and product offerings of key players. The detailed segments and sub-segments of the market are explained below:

By Type:

Oxygen Scavengers

Sludge Conditioners

Alkalinity Builders

By Conditioning Method:

External

Internal

By End-Use Industry:

Power

Oil & Gas

Chemicals & Petrochemical

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

Rest of Europe

Asia Pacific

China

India

Japan

Australia

South Korea

Rest of Asia Pacific

Latin America

Brazil

Mexico

Middle East & Africa

UAE

Saudi Arabia

South Africa

Rest of Middle East & Africa

Key Takeaways:

Market Estimates & Forecast for 10 years from 2025 to 2035.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

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