

Specialty Water Treatment Chemicals: Technologies and Global Markets

Market Research Report | 2025-12-19 | 180 pages | BCC Research

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Report description:

Description

Report Scope

The report provides a comprehensive market analysis of the specialty water treatment chemicals market, reflecting the latest trends and data. It presents a comprehensive study of the global specialty water treatment chemicals market from 2024 to 2030. The base year of the analysis is 2024, and the forecast period spans 2025 through 2030. The revenue calculated in this report is US\$ million. The report provides an in-depth analysis of the specialty water treatment chemicals industry, examining both qualitative and quantitative aspects. The market is segmented by:

- By function: Corrosion inhibitors, coagulants and flocculants, biocides and insecticides, scale inhibitors, pH adjusters and softeners, defoamers, nanochemicals and other specialty chemicals.
- By treatment type: Industrial process water treatment, municipal potable water treatment, sewage/wastewater treatment and seawater treatment.
- By source: Conventional and biobased.
- By end users: Power, oil and gas, pulp and paper, metal, chemical and other end users.
- By application: Process and treatment.
- By region: North America, Europe, Asia-Pacific, South America, and the Middle East and Africa (MEA).

Report Includes

- 83 data tables and 55 additional tables
- Overview and an up-to-date analysis of the global markets for specialty water treatment chemicals
- Analyses of the global market trends, with revenue data for 2024, estimates for 2025, forecasts for 2029 and projected CAGRs through 2030
- Estimates of the market size and revenue prospects for the global market, accompanied by a market share analysis by function, source, treatment type, application, end-user sector and region
- Facts and figures about market dynamics, opportunities and deterrents, technological advances, regulations and standards,

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prospects and the impact of macroeconomic variables

- Insights derived from Porter's Five Forces model, as well as global supply chain analyses
- A relevant patent analysis, featuring key granted and published patents
- Overview of sustainability trends and ESG developments, with emphasis on consumer attitudes, as well as the ESG risk ratings and practices of leading companies
- Analysis of the industry structure, including companies' market shares and rankings, strategic initiatives, M&A activity and a venture funding outlook
- Profiles of the leading companies, including BASF, Veolia Environnement S.A., Ecolab Inc., Kurita Water Industries Ltd., and Kemira

Executive Summary

Summary:

The global market for specialty water treatment chemicals is estimated to grow from \$42.4 billion in 2025 to reach \$57.9 billion by the end of 2030, at a compound annual growth rate (CAGR) of 6.4% from 2025 through 2030.

Water treatment chemical manufacturers are adopting initiatives related to the development of chemicals with low toxicity and limited bioaccumulation potential. Sustainability is a critical focus in the chemical industry, leading to the development and adoption of green chemistry and sustainable manufacturing practices. This includes using renewable products, implementing waste reduction strategies, aiming for energy efficiency and developing eco-friendly products.

Market Dynamics and Growth Factors

The global specialty water treatment chemicals market is driven by factors such as the decline in freshwater resources, stringent water standards and regulations, emerging water quality issues and the need for nutrient recovery from the water treatment process. A lack of effective methods restrains the market growth to remove emerging contaminants, the availability of alternative technologies for treating water and wastewater and the lack of social acceptance of treated water. Rapid industrialization and urbanization have led to a decline in the quality of water resources. The mining, manufacturing, energy, food, textiles, chemicals and pharmaceutical industries are key contributors to freshwater pollution. To minimize water scarcity, governments and regulatory authorities worldwide are implementing initiatives in water and wastewater treatment technologies to reduce water pollution and make freshwater available for various applications.

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Key Highlights

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Abbreviations
Company Profiles
BASF
CLARIANT
DIAMINES AND CHEMICALS LTD.
DUPONT
EASTMAN CHEMICAL CO.
ECOLAB INC.
HALLIBURTON
IEI
KEMIRA
KURITA WATER INDUSTRIES LTD.
MECO TECHNOLOGIES PVT. LTD.
SANYO CHEMICAL INDUSTRIES LTD.
SOLVAY

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