

Global Process Chemicals for Water Treatment Market Size Study & Forecast, by Chemical Type, End-Use Industry, Treatment Process, Technology, Application, and Regional Forecasts 2025-2035

<https://marketpublishers.com/r/G0A004A36E56EN.html>

Date: June 2025

Pages: 285

Price: US\$ 3,218.00 (Single User License)

ID: G0A004A36E56EN

Abstracts

Global Process Chemicals for Water Treatment Market was valued at approximately USD 16.18 billion in 2024 and is poised to grow at a CAGR of 4.38% over the forecast period from 2025 to 2035. As nations race to secure sustainable water infrastructure amid depleting freshwater sources, process chemicals have emerged as pivotal agents in improving the quality and efficiency of both water purification and wastewater treatment systems. These chemicals, ranging from coagulants and biocides to corrosion inhibitors and specialty agents, are tailored to facilitate complex reactions, eliminate impurities, inhibit scaling, and ensure operational continuity across diverse water treatment applications. Their adoption has been significantly accelerated by the rising water demands in residential, commercial, and industrial sectors, along with stricter regulatory frameworks governing water discharge and reuse.

The market is also witnessing a growing emphasis on advanced and sustainable treatment technologies that integrate eco-friendly and biodegradable chemical formulations. Rapid urbanization and the parallel rise in power generation, oil & gas exploration, and heavy industries have compelled stakeholders to adopt more efficient water recycling and reuse protocols—thus spurring demand for chemical processes that enhance throughput and reduce operational downtime. Moreover, innovations in membrane treatment, ion exchange systems, and reverse osmosis are synergistically boosting the market, as process chemicals remain indispensable for optimizing these technologies' performance. However, escalating raw material prices and the environmental impact of some traditional chemical treatments remain significant hurdles to overcome during the forecast horizon.

Geographically, North America dominates the market due to well-developed utility infrastructure, proactive water reuse policies, and the presence of major chemical manufacturing hubs. The region's strong foothold in power generation and oilfield services continues to stimulate consumption of process chemicals, especially in high-performance desalination and cooling tower operations. Meanwhile, the Asia Pacific region is anticipated to witness the fastest growth, driven by industrial expansion, high population density, and increasing urban water stress in countries like China, India, and Southeast Asian nations. Europe follows closely, where stricter EU environmental compliance and investments in smart water management technologies are catalyzing the demand for next-gen process chemicals across municipal and industrial wastewater treatment facilities.

Major market player included in this report are:

Ecolab Inc.

Kemira Oyj

Solenis LLC

SUEZ Water Technologies & Solutions

Dow Inc.

SNF Group

BASF SE

Veolia Water Technologies

Kurita Water Industries Ltd.

Ashland Inc.

Baker Hughes Company

Thermax Limited

Accepta Ltd.

Buckman Laboratories

Chembond Chemicals Ltd.

Global Process Chemicals for Water Treatment 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 Chemical Type:

Coagulants and Flocculants

Acids and Bases

Oxidizing and Reducing Agents

Corrosion Inhibitors

Biocides and Dispersants

Specialty Chemicals

By End-Use Industry:

Municipal

Industrial

Commercial

Residential

Power Generation

By Treatment Process:

Coagulation and Flocculation

Filtration

Disinfection

Ion Exchange

Membrane Treatment

Reverse Osmosis

By Technology:

Conventional

Advanced

Sustainable

By Application:

Water Purification

Wastewater Treatment

Desalination

Cooling Water Treatment

Oil and Gas Production

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

Rest of Latin America

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.

Contents

CHAPTER 1. GLOBAL PROCESS CHEMICALS FOR WATER TREATMENT MARKET REPORT SCOPE & METHODOLOGY

- 1.1. Research Objective
- 1.2. Research Methodology
 - 1.2.1. Forecast Model
 - 1.2.2. Desk Research
 - 1.2.3. Top-Down and Bottom-Up Approach
- 1.3. Research Attributes
- 1.4. Scope of the Study
 - 1.4.1. Market Definition
 - 1.4.2. Market Segmentation
- 1.5. Research Assumption
 - 1.5.1. Inclusion & Exclusion
 - 1.5.2. Limitations
 - 1.5.3. Years Considered for the Study

CHAPTER 2. EXECUTIVE SUMMARY

- 2.1. CEO/CXO Standpoint
- 2.2. Strategic Insights
- 2.3. ESG Analysis
- 2.4. Key Findings

CHAPTER 3. GLOBAL PROCESS CHEMICALS FOR WATER TREATMENT MARKET FORCES ANALYSIS

- 3.1. Market Forces Shaping the Global Process Chemicals Market (2024–2035)
- 3.2. Drivers
 - 3.2.1. Escalating Water Scarcity & Regulatory Stringency
 - 3.2.2. Industrial & Municipal Expansion
- 3.3. Restraints
 - 3.3.1. Volatile Raw Material Prices
 - 3.3.2. Environmental & Disposal Concerns
- 3.4. Opportunities
 - 3.4.1. Adoption of Biodegradable & Sustainable Formulations
 - 3.4.2. Growth in Emerging Economies' Infrastructure Projects

CHAPTER 4. GLOBAL PROCESS CHEMICALS FOR WATER TREATMENT INDUSTRY ANALYSIS

- 4.1. Porter's Five Forces Model
 - 4.1.1. Bargaining Power of Buyers
 - 4.1.2. Bargaining Power of Suppliers
 - 4.1.3. Threat of New Entrants
 - 4.1.4. Threat of Substitutes
 - 4.1.5. Competitive Rivalry
- 4.2. Porter's Five Forces Forecast Model (2024–2035)
- 4.3. PESTEL Analysis
 - 4.3.1. Political
 - 4.3.2. Economic
 - 4.3.3. Social
 - 4.3.4. Technological
 - 4.3.5. Environmental
 - 4.3.6. Legal
- 4.4. Top Investment Opportunities
- 4.5. Top Winning Strategies (2025)
- 4.6. Market Share Analysis (2024–2025)
- 4.7. Global Pricing Analysis and Trends 2025
- 4.8. Analyst Recommendations & Conclusion

CHAPTER 5. GLOBAL MARKET SIZE & FORECASTS BY CHEMICAL TYPE 2025–2035

- 5.1. Market Overview
- 5.2. Coagulants and Flocculants
 - 5.2.1. Top Countries Breakdown Estimates & Forecasts, 2024–2035
 - 5.2.2. Regional Market Analysis, 2025–2035
- 5.3. Acids and Bases
 - 5.3.1. Top Countries Breakdown Estimates & Forecasts, 2024–2035
 - 5.3.2. Regional Market Analysis, 2025–2035
- 5.4. Oxidizing and Reducing Agents
 - 5.4.1. Top Countries Breakdown Estimates & Forecasts, 2024–2035
 - 5.4.2. Regional Market Analysis, 2025–2035
- 5.5. Corrosion Inhibitors
 - 5.5.1. Top Countries Breakdown Estimates & Forecasts, 2024–2035

- 5.5.2. Regional Market Analysis, 2025–2035
- 5.6. Biocides and Dispersants
 - 5.6.1. Top Countries Breakdown Estimates & Forecasts, 2024–2035
 - 5.6.2. Regional Market Analysis, 2025–2035
- 5.7. Specialty Chemicals
 - 5.7.1. Top Countries Breakdown Estimates & Forecasts, 2024–2035
 - 5.7.2. Regional Market Analysis, 2025–2035

CHAPTER 6. GLOBAL MARKET SIZE & FORECASTS BY END-USE INDUSTRY 2025–2035

- 6.1. Market Overview
- 6.2. Municipal
 - 6.2.1. Top Countries Breakdown Estimates & Forecasts, 2024–2035
 - 6.2.2. Regional Market Analysis, 2025–2035
- 6.3. Industrial
 - 6.3.1. Top Countries Breakdown Estimates & Forecasts, 2024–2035
 - 6.3.2. Regional Market Analysis, 2025–2035
- 6.4. Commercial
 - 6.4.1. Top Countries Breakdown Estimates & Forecasts, 2024–2035
 - 6.4.2. Regional Market Analysis, 2025–2035
- 6.5. Residential
 - 6.5.1. Top Countries Breakdown Estimates & Forecasts, 2024–2035
 - 6.5.2. Regional Market Analysis, 2025–2035
- 6.6. Power Generation
 - 6.6.1. Top Countries Breakdown Estimates & Forecasts, 2024–2035
 - 6.6.2. Regional Market Analysis, 2025–2035

CHAPTER 7. GLOBAL MARKET SIZE & FORECASTS BY TREATMENT PROCESS 2025–2035

- 7.1. Market Overview
- 7.2. Coagulation and Flocculation
 - 7.2.1. Top Countries Breakdown Estimates & Forecasts, 2024–2035
 - 7.2.2. Regional Market Analysis, 2025–2035
- 7.3. Filtration
 - 7.3.1. Top Countries Breakdown Estimates & Forecasts, 2024–2035
 - 7.3.2. Regional Market Analysis, 2025–2035
- 7.4. Disinfection

- 7.4.1. Top Countries Breakdown Estimates & Forecasts, 2024–2035
- 7.4.2. Regional Market Analysis, 2025–2035
- 7.5. Ion Exchange
 - 7.5.1. Top Countries Breakdown Estimates & Forecasts, 2024–2035
 - 7.5.2. Regional Market Analysis, 2025–2035
- 7.6. Membrane Treatment
 - 7.6.1. Top Countries Breakdown Estimates & Forecasts, 2024–2035
 - 7.6.2. Regional Market Analysis, 2025–2035
- 7.7. Reverse Osmosis
 - 7.7.1. Top Countries Breakdown Estimates & Forecasts, 2024–2035
 - 7.7.2. Regional Market Analysis, 2025–2035

CHAPTER 8. GLOBAL MARKET SIZE & FORECASTS BY TECHNOLOGY 2025–2035

- 8.1. Market Overview
- 8.2. Conventional
 - 8.2.1. Top Countries Breakdown Estimates & Forecasts, 2024–2035
 - 8.2.2. Regional Market Analysis, 2025–2035
- 8.3. Advanced
 - 8.3.1. Top Countries Breakdown Estimates & Forecasts, 2024–2035
 - 8.3.2. Regional Market Analysis, 2025–2035
- 8.4. Sustainable
 - 8.4.1. Top Countries Breakdown Estimates & Forecasts, 2024–2035
 - 8.4.2. Regional Market Analysis, 2025–2035

CHAPTER 9. GLOBAL MARKET SIZE & FORECASTS BY APPLICATION & REGION 2025–2035

- 9.1. Market & Regional Snapshot
- 9.2. By Application
 - 9.2.1. Water Purification
 - 9.2.2. Wastewater Treatment
 - 9.2.3. Desalination
 - 9.2.4. Cooling Water Treatment
 - 9.2.5. Oil & Gas Production
- 9.3. 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
- Rest of Latin America
- Middle East & Africa
- UAE
- Saudi Arabia
- South Africa
- Rest of Middle East & Africa

CHAPTER 10. COMPETITIVE INTELLIGENCE

10.1. Top Market Strategies

10.2. Ecolab Inc.

10.2.1. Company Overview

10.2.2. Key Executives

10.2.3. Company Snapshot

10.2.4. Financial Performance (Subject to Data Availability)

10.2.5. Product/Services Port

10.2.6. Recent Development

10.2.7. Market Strategies

10.2.8. SWOT Analysis

10.3. Kemira Oyj

10.4. Solenis LLC

- 10.5. SUEZ Water Technologies & Solutions
- 10.6. Dow Inc.
- 10.7. SNF Group
- 10.8. BASF SE
- 10.9. Veolia Water Technologies
- 10.10. Kurita Water Industries Ltd.
- 10.11. Ashland Inc.
- 10.12. Baker Hughes Company
- 10.13. Thermax Limited
- 10.14. Accepta Ltd.
- 10.15. Buckman Laboratories
- 10.16. Chembond Chemicals Ltd.

List Of Tables

LIST OF TABLES

| |
|---|
| Table 1. Market Report Scope |
| Table 2. Global Estimates & Forecasts by Chemical Type, 2024–2035 |
| Table 3. Global Estimates & Forecasts by End-Use Industry, 2024–2035 |
| Table 4. Global Estimates & Forecasts by Treatment Process, 2024–2035 |
| Table 5. Global Estimates & Forecasts by Technology, 2024–2035 |
| Table 6. Global Estimates & Forecasts by Application, 2024–2035 |
| Table 7. U.S. Market Estimates & Forecasts, 2024–2035 |
| Table 8. Canada Market Estimates & Forecasts, 2024–2035 |
| Table 9. UK Market Estimates & Forecasts, 2024–2035 |
| Table 10. Germany Market Estimates & Forecasts, 2024–2035 |
| Table 11. France Market Estimates & Forecasts, 2024–2035 |
| Table 12. Spain Market Estimates & Forecasts, 2024–2035 |
| Table 13. Italy Market Estimates & Forecasts, 2024–2035 |
| Table 14. Rest of Europe Estimates & Forecasts, 2024–2035 |
| Table 15. China Market Estimates & Forecasts, 2024–2035 |
| Table 16. India Market Estimates & Forecasts, 2024–2035 |
| Table 17. Japan Market Estimates & Forecasts, 2024–2035 |
| Table 18. Australia Market Estimates & Forecasts, 2024–2035 |
| Table 19. South Korea Market Estimates & Forecasts, 2024–2035 |
| Table 20. Rest of Asia Pacific Estimates & Forecasts, 2024–2035 |

List Of Figures

LIST OF FIGURES

- Fig 1. Research Methodology
- Fig 2. Market Estimation Techniques
- Fig 3. Size Estimates & Forecast Methods
- Fig 4. Key Trends 2025
- Fig 5. Growth Prospects 2024–2035
- Fig 6. Porter's Five Forces Model
- Fig 7. PESTEL Analysis
- Fig 8. Value Chain Analysis
- Fig 9. Market by Chemical Type, 2025 & 2035
- Fig 10. Market by End-Use Industry, 2025 & 2035
- Fig 11. Market by Treatment Process, 2025 & 2035
- Fig 12. Market by Technology, 2025 & 2035
- Fig 13. Market by Application, 2025 & 2035
- Fig 14. North America Market, 2025 & 2035
- Fig 15. Europe Market, 2025 & 2035
- Fig 16. Asia Pacific Market, 2025 & 2035
- Fig 17. Latin America Market, 2025 & 2035
- Fig 18. Middle East & Africa Market, 2025 & 2035
- Fig 19. Global Market, Company Market Share Analysis (2025)

I would like to order

Product name: Global Process Chemicals for Water Treatment Market Size Study & Forecast, by Chemical Type, End-Use Industry, Treatment Process, Technology, Application, and Regional Forecasts 2025-2035

Product link: <https://marketpublishers.com/r/G0A004A36E56EN.html>

Price: US\$ 3,218.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G0A004A36E56EN.html>