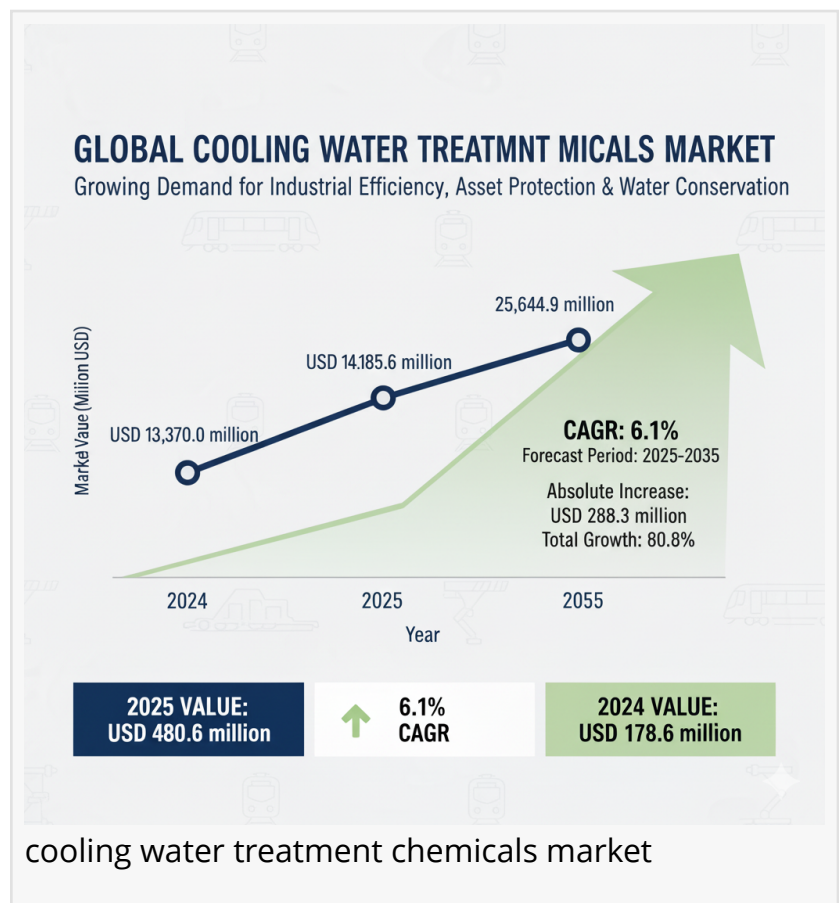


Global and European Cooling Water Treatment Chemicals Market Outlook 2025–2035: Key Developments and Future Scope

Cooling Water Treatment Chemicals Market Set to Surge to USD 25,644.9 million by 2035 with 6.1% CAGR Analysis by Future Market Insights

MD, UNITED STATES, November 20, 2025 /EINPresswire.com/ -- Global sales of [cooling water treatment chemicals market](#) is estimated to be USD 14,185.6 million in 2025 and expected to reach a valuation of USD 25,644.9 million by 2035. The market is projected to grow at a rapid growth rate of 6.1% over the forecast period between 2025 and 2035. The revenue generated by cooling water treatment chemicals in 2024 was USD 13,370.0 million. The industry is predicted to exhibit a Y-o-Y growth of 5.7% in 2025.



The demand for cooling water treatment chemicals is expanding as global industries intensify efforts to maintain operational efficiency and adhere to stricter environmental regulations. Industries such as power generation, oil & gas, manufacturing, data centers, and food & beverage processing are major contributors to this rise.

Cooling Water Treatment Chemicals Market Highlights and Industry Dynamics:

Cooling water treatment chemicals are essential for controlling corrosion, scaling, and biological contamination in industrial cooling systems. These chemicals enhance heat exchange efficiency, extend equipment life, and reduce operational costs. The increasing construction of power

plants, refineries, data centers, and industrial parks—especially across emerging economies—will sustain strong market momentum.

Cooling Water Treatment Chemicals Market Regional Insights:

Asia-Pacific: Epicenter of Growth: The Asia-Pacific region will dominate the market, driven by rapid industrialization, power plant construction, and expanding manufacturing activities in China, India, and Southeast Asia. China alone is forecast to grow at a 6.6% CAGR, making it the world's largest consumer. The country's stringent environmental policies and widespread adoption of advanced cooling systems have accelerated the use of chemical treatments.

North America: Sustainability and Smart Technologies: The United States, growing at a 6.1% CAGR, remains a critical market owing to its vast power generation capacity and focus on green chemistry. Industrial states like Texas, Florida, and California lead adoption due to their extensive refinery and utility operations. The U.S. is witnessing significant uptake of IoT-enabled smart cooling systems for real-time monitoring and optimization.

Europe: Environmental Leadership: Germany (CAGR 5.6%) leads Europe's adoption of eco-friendly water treatment chemicals. Stringent EU water directives encourage industries to integrate biodegradable inhibitors and anti-scaling agents. Germany's strong automotive and pharmaceutical sectors rely heavily on these chemicals to maintain cooling efficiency and sustainability targets.

Key Segments of the Cooling Water Treatment Chemicals Market:

By Technology: The market is segmented into boiler water treatment, cooling towers, closed systems, wastewater treatment, and chiller systems. Among these, cooling tower treatment remains the largest segment, particularly in thermal power plants and petrochemical facilities.

By End Use: The industrial sector accounts for 46.8% of total consumption. Heavy industries such as oil & gas, steel, and manufacturing rely on these chemicals to maintain operational reliability and reduce maintenance costs. The commercial and residential segments also contribute, though at smaller scales.

Cooling Water Treatment Chemicals Market Key Trends and Drivers:

Zero-Liquid Discharge (ZLD) Adoption: ZLD systems recycle up to 95% of water in industrial facilities. For example, textile plants in China employing ZLD systems have drastically reduced freshwater consumption. Such trends strengthen the role of advanced chemical formulations in enhancing ZLD performance.

Sustainability and Green Chemistry: The shift toward biodegradable, plant-based, and low-toxicity chemicals aligns with global environmental goals and regulatory expectations.

Cooling Water Treatment Chemicals Market Recent Developments:

January 2023: Kemira Oyj acquired SimAnalytics, boosting its predictive analytics and AI-driven water management capabilities.

October 2023: Solenis acquired CedarChem, expanding its U.S. footprint in industrial and municipal water treatment.

October 2022: Italmatch Chemicals introduced Smart-Tagged Polymers, integrating digital monitoring with chemical performance tracking for cooling towers.

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Cooling Water Treatment Chemicals Market Future Outlook:

Between 2025 and 2035, the global cooling water treatment chemicals market is expected to experience steady expansion, driven by industrial growth, smart water management, and sustainability commitments. Emerging economies will continue to fuel demand, while developed markets shift toward eco-friendly, smart, and multi-functional solutions.

With rising investments in AI, IoT integration, and green chemistry, the sector will play a pivotal role in promoting resource efficiency, industrial safety, and environmental stewardship, making it one of the most strategically important segments in the global industrial water treatment ecosystem.

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