

Global Non-Phosphorus Cooling Water Treatment Chemicals Market Growth 2026-2032

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Abstracts

The global Non-Phosphorus Cooling Water Treatment Chemicals market size is predicted to grow from US\$ 625 million in 2025 to US\$ 909 million in 2032; it is expected to grow at a CAGR of 5.8% from 2026 to 2032.

Non-Phosphorus Cooling Water Treatment Chemicals are a class of industrial water treatment agents specifically formulated without phosphorus elements. They are designed for use in industrial circulating cooling water systems to prevent equipment scaling, metal corrosion, and microbial proliferation. These products serve as eco-friendly alternatives to traditional phosphorus-containing water treatment agents such as organic phosphonates and effectively mitigate the issue of eutrophication in natural water bodies caused by industrial wastewater discharge.

The upstream segment of the phosphorus-free cooling water treatment chemicals market primarily comprises raw materials such as acrylic acid, maleic anhydride, carboxylic acid monomers, phosphorus-free copolymers, natural organic acids, polycarboxylates, zinc-substitute corrosion inhibitors, and inorganic corrosion inhibitors (e.g., molybdates and silicates). The midstream segment consists of water treatment chemical manufacturers and water treatment service providers.

In 2025, the global sales volume of phosphorus-free cooling water treatment chemicals is projected to reach approximately 380,000 tons, with a global average price ranging from \$2,300 to \$3,000 per ton. Leading manufacturers in the industry are expected to maintain gross margins of approximately 28% to 42%.

United States market for Non-Phosphorus Cooling Water Treatment Chemicals is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of %

from 2026 through 2032.

China market for Non-Phosphorus Cooling Water Treatment Chemicals is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Non-Phosphorus Cooling Water Treatment Chemicals is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Non-Phosphorus Cooling Water Treatment Chemicals players cover Veolia, Ecolab, ChemTreat, Kurita, Solenis, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the "Non-Phosphorus Cooling Water Treatment Chemicals Industry Forecast" looks at past sales and reviews total world Non-Phosphorus Cooling Water Treatment Chemicals sales in 2025, providing a comprehensive analysis by region and market sector of projected Non-Phosphorus Cooling Water Treatment Chemicals sales for 2026 through 2032. With Non-Phosphorus Cooling Water Treatment Chemicals sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Non-Phosphorus Cooling Water Treatment Chemicals industry.

This Insight Report provides a comprehensive analysis of the global Non-Phosphorus Cooling Water Treatment Chemicals landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Non-Phosphorus Cooling Water Treatment Chemicals portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Non-Phosphorus Cooling Water Treatment Chemicals market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Non-Phosphorus Cooling Water Treatment Chemicals and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Non-Phosphorus Cooling Water Treatment Chemicals.

This report presents a comprehensive overview, market shares, and growth opportunities of Non-Phosphorus Cooling Water Treatment Chemicals market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Polymer-based

Inorganic Salt-based

Copper Corrosion Inhibitor

Other

Segmentation by Function:

Corrosion Inhibitor

Scale Inhibitor

Dispersant

Other

Segmentation by Application:

Power

Industrial

Petrochemicals

Data Centers

Public Buildings

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Veolia

Ecolab

ChemTreat

Kurita

Solenis

Buckman

Shandong Taihe Technologies

Shandong Kairui Chemistry

Xingerui Environmental Technology

Key Questions Addressed in this Report

What is the 10-year outlook for the global Non-Phosphorus Cooling Water Treatment Chemicals market?

What factors are driving Non-Phosphorus Cooling Water Treatment Chemicals market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Non-Phosphorus Cooling Water Treatment Chemicals market opportunities vary by end market size?

How does Non-Phosphorus Cooling Water Treatment Chemicals break out by Type, by Application?

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