

Sodium Hexametaphosphate Market: Current Analysis and Forecast (2025-2033)

<https://marketpublishers.com/r/S07F004F5D08EN.html>

Date: March 2026

Pages: 145

Price: US\$ 3,999.00 (Single User License)

ID: S07F004F5D08EN

Abstracts

The global sodium hexametaphosphate market was valued at USD 649.56 million in 2024 and is expected to grow at a steady CAGR of around 3.49% during the forecast period (2025-2033F), driven by rising consumer focus on cognitive health, preventive wellness, stress management, and demand for convenient functional foods and beverages is driving growth in the global sodium hexametaphosphate market.

Sodium Hexametaphosphate Market Analysis

The sodium hexametaphosphate market is showing consistent growth, fueled by its diverse uses in water treatment, detergents, and the food industries. The growing amount of industrial waste, along with the need for effective ways to prevent scale buildup, are major factors driving market growth. Along with this, its role in improving cleaning efficiency and food product stability underscores its significance across sectors. Also, growth in emerging economies, along with rising infrastructure development, further accelerates consumption. Furthermore, advancements in production technology and a focus on sustainable practices are improving efficiency. Overall, the market outlook remains optimistic, supported by rising industrial demand and expanding global applications.

Global Sodium Hexametaphosphate Market Trends

This section discusses the key market trends that are influencing the various segments of the global sodium hexametaphosphate market, as found by our team of research experts.

Technological Advancements in Production

Technological advancements in production are emerging as a major trend in the sodium hexametaphosphate market, allowing manufacturers to improve product quality, efficiency, and consistency. Alongside this, innovations in process optimization, automation, and energy-efficient manufacturing techniques are reducing production costs and environmental impact. Also, advanced purification technologies are supporting the development of high-purity and food-grade SHMP to meet strict regulatory standards. At the same time, integration of digital monitoring systems and smart manufacturing practices improves operational control and scalability. Furthermore, these technological advancements enable companies to meet growing demand across industries while maintaining sustainability, competitiveness, and compliance with evolving global quality and environmental requirements.

Sodium Hexametaphosphate Industry Segmentation

This section provides an analysis of the key trends in each segment of the global sodium hexametaphosphate market report, along with forecasts at the global, regional, and country levels for 2025-2033.

The Food-Grade Segment Dominates the Global Sodium Hexametaphosphate Market

Based on the grade, the market is categorized into food-grade and technical-grade. In 2024, food-grade sodium hexametaphosphate accounts for the largest share of the market, driven by its widespread use in processed foods, beverages, and seafood. In addition, it acts as an emulsifier, stabilizer, and preservative, and is supported by stringent food safety regulations and high global consumption of convenience foods. However, technical grade is showing the fastest growth because of rising demand in the water treatment, detergents, oil & gas, and construction industries. Furthermore, this growth is primarily driven by rapid industrialization, infrastructure development, and the increasing need for efficient scale inhibition, dispersion, and water softening solutions across emerging economies and industrial applications worldwide.

The Granular Segment Dominates the Global Sodium Hexametaphosphate Market.

Based on the form, the market is categorized into granular, powder, and glass plates. In 2024, granular sodium hexametaphosphate holds the largest market share due to its excellent stability, ease of storage, low dust generation, and suitability for bulk processing in large-scale industries such as water treatment and detergents, making it the preferred option for established operations. However, the powder form is showing

the fastest growth, driven by its higher solubility, quicker dispersion, and better performance in precision applications, such as food processing and advanced industrial processes. Along with this, the increasing demand for efficient, quick-dissolving chemical solutions across rapidly growing end-use industries, particularly in emerging markets worldwide.

North America holds the largest market share in the global sodium hexametaphosphate market

North America holds the largest share of the sodium hexametaphosphate market due to its strong industrial base and widespread adoption of advanced chemical processing technologies in different industries. Along with this, high demand from large-scale industries, such as pulp and paper, oil refining, and manufacturing, notably contributes to consumption. At the same time, growing focus on sustainable practices and efficient resource management supports the use of sodium hexametaphosphate (SHMP) in different applications. Furthermore, the region also benefits from high consumer awareness, established distribution networks, and consistent demand for high-performance specialty chemicals, thereby strengthening its leadership position in the global sodium hexametaphosphate market.

U.S. held a Dominant share of the North America Sodium Hexametaphosphate Market in 2024

The United States holds the largest share of the sodium hexametaphosphate market, driven by its well-established water treatment infrastructure and strict regulatory framework for water quality and wastewater discharge. For instance, in 2024, Veolia carried out more than 30 advanced PFAS mitigation projects nationwide, demonstrating the growing adoption of advanced water treatment technologies. In addition, high demand from the municipal and industrial sectors for scale inhibition and water softening notably supports market growth. In contrast, the large and advanced food-processing industry of the country drives the consumption of food-grade sodium hexametaphosphate (SHMP) as a stabilizer and preservative. Furthermore, the strong presence of leading chemical manufacturers, high adoption of advanced detergents and cleaning products, and ongoing infrastructure investments further contribute to sustained demand and reinforce the country's leading position in the market.

Sodium Hexametaphosphate Industry Competitive Landscape

The global sodium hexametaphosphate market is competitive, with several global and

international market players. The key players are adopting different growth strategies to enhance their market presence, such as partnerships, agreements, collaborations, geographical expansions, and mergers and acquisitions.

Top Sodium Hexametaphosphate Market Companies

Some of the major players in the market include Nippon Chemical Industrial CO., LTD., Innophos, Hubei Xingfa Chemicals Group Co., Ltd, ICL (Ofer Group), ACURO ORGANICS LIMITED, TKI Hrastnik, d.d., Henan Fengbai Industrial Co., Ltd., A.H.A International Co., Ltd., Angel Chemicals Private Limited, and Foodchem International Corporation.

Recent Developments in the Sodium Hexametaphosphate Market

In November 2025, Prayon inaugurated a new SHMP production unit in Belgium, expanding capacity and strengthening its position in food and technical phosphates, supporting rising global demand and enhancing supply reliability in the market.

In February 2023, Nippon Chemical expanded its phosphorus-related facilities, boosting high-purity raw material availability and stabilizing SHMP production. The move supported rising industrial demand, improved supply efficiency, and drove growth in the Sodium Hexametaphosphate market.

Frequently Asked Questions (FAQ)

Q1: What is the current size of the global sodium hexametaphosphate market, and what is its growth potential?

Ans: In 2024, the global Sodium Hexametaphosphate (SHMP) market was valued at approximately USD 649.56 million. It is expected to grow at a CAGR of 3.49% between 2025 and 2033, driven by rising demand across the water treatment, food processing, and detergent industries.

Q2: Which segment has the largest share of the global sodium hexametaphosphate market by grade?

Ans: Food-grade Sodium Hexametaphosphate holds the largest share of the global

market due to its extensive use in processed foods, beverages, and dairy products.

Q3: What are the driving factors for the growth of the global sodium hexametaphosphate market?

Ans: Top growth drivers of the sodium hexametaphosphate market include:

Escalating need for efficient water treatment solutions

Rising consumption of processed foods

Increasing Use in Detergents & Cleaning Products

Q4: What are the emerging technologies and trends in the global sodium hexametaphosphate market?

Ans: Emerging trends in the sodium hexametaphosphate market include:

Technological Advancements in Production

Increased Adoption of SHMP in Niche Applications

Q5: What are the key challenges in the global sodium hexametaphosphate market?

Ans: Key challenges in the global sodium hexametaphosphate market are:

Availability of Alternatives

Regulatory Restrictions

Q6: Which region dominates the global sodium hexametaphosphate market?

Ans: North America currently leads the global SHMP market, driven by advanced water treatment infrastructure, industrial growth, and high adoption in the food and detergent industries.

Q7: Who are the key competitors in the global sodium hexametaphosphate market?

Ans: Top players in the Sodium hexametaphosphate industry include:

Nippon Chemical Industrial CO., LTD.

Innophos

Hubei Xingfa Chemicals Group Co., Ltd.

ICL (Ofer Group)

ACURO ORGANICS LIMITED

TKI Hrastnik, d.d.

Henan Fengbai Industrial Co., Ltd.

A.H.A International Co., Ltd.

Angel Chemicals Private Limited

Foodchem International Corporation

Q8: What are the key investment opportunities in the global sodium hexametaphosphate market?

Ans: The market offers strong investment potential driven by rising demand in water treatment, food processing, and detergents. Emerging economies, capacity expansions, and advancements in high-purity grades present lucrative opportunities for investors seeking long-term returns and strategic market entry.

Q9: Which strategic developments are shaping the competitive landscape of the sodium hexametaphosphate industry?

Ans: The market is evolving through mergers, acquisitions, joint ventures, and long-term supply agreements, enabling companies to strengthen global presence, enhance production capabilities, and secure raw material supply chain.

Reasons to Buy the Sodium Hexametaphosphate Market Report:

The study includes market sizing and forecasting analysis confirmed by authenticated key industry experts.

The report briefly reviews overall industry performance at a glance.

The report covers an in-depth analysis of prominent industry peers, primarily focusing on key business financials, type portfolios, expansion strategies, and recent developments.

Detailed examination of drivers, restraints, key trends, and opportunities prevailing in the industry.

The study comprehensively covers the market across different segments.

Deep dive regional level analysis of the industry.

Customization Options:

The global sodium hexametaphosphate market can further be customized as per the requirements or any other market segment. Besides this, UnivDatos understands that you may have your own business needs; hence, feel free to contact us to get a report that completely suits your requirements.

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