

North America Calcium Hypochlorite Market Size and Forecast (2021 - 2031)

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Abstracts

Executive Summary and Market Analysis of North America Calcium Hypochlorite

The North America Calcium Hypochlorite Market is poised for substantial growth, with projections indicating that the market size will reach approximately US\$ 229.6 million by 2031, up from US\$ 162.1 million in 2024. This growth trajectory reflects a compound annual growth rate (CAGR) of 5.4% from 2025 to 2031. The driving forces behind this expansion include the increasing production and demand within the paper and pulp industry, as well as a surge in water treatment initiatives across the region.

Industry Context

The calcium hypochlorite market is significantly influenced by the robust paper and pulp sector in North America. According to the National Council for Air and Stream Improvement, Inc., the region is home to over 450 paper and pulp mills, benefiting from its vast forest resources. In the United States, the forest products industry contributes more than 4% to the manufacturing GDP, while in Canada, this figure is even higher at 12%. Calcium hypochlorite serves as a cost-effective bleaching agent, essential for achieving the desired whiteness in paper production, thereby bolstering its demand in this sector.

In addition to the paper industry, the market is also propelled by numerous water treatment projects. Calcium hypochlorite is a critical component in wastewater treatment, effectively eliminating viruses, bacteria, and other pathogens when dissolved in water. A notable example is the Whites Creek Wastewater Treatment Plant, a significant project undertaken by Metro Water Services in 2024, with an expected completion date in 2029 and a budget exceeding US\$ 403 million. The growth of end-

use industries, particularly in water and wastewater treatment and pulp and paper, is a key factor driving the demand for calcium hypochlorite in North America.

Strategic Insights

Market Segmentation

The North America Calcium Hypochlorite Market can be segmented based on form and application:

By Form: The market is divided into Powder and Granule forms, with powder holding the largest market share in 2024.

By Application: The applications include Water Treatment, House Cleaners and Detergents, Agrochemicals, Pulp and Paper, Food and Beverage, and Others. Water treatment is the leading application segment, dominating the market in 2024.

Market Outlook

The importance of water and wastewater treatment is escalating globally, with the U.S. Environmental Protection Agency (EPA) reporting that wastewater treatment facilities in the United States process approximately 34 billion gallons of wastewater daily. Furthermore, the Centers for Disease Control and Prevention (CDC) has established the National Wastewater Surveillance System (NWSS), which plays a crucial role in monitoring infectious diseases through wastewater across the country, protecting around 44% of the U.S. population.

In 2024, the EPA announced a significant investment of \$3.6 billion under the Biden-Harris Administration's Bipartisan Infrastructure Law, aimed at enhancing water infrastructure and ensuring community safety. This funding is part of a broader five-year, \$50 billion initiative, marking the largest investment in water infrastructure in U.S. history. Such federal investments, coupled with advanced public health monitoring systems, are expected to significantly stimulate market growth in North America by fostering innovation, expanding infrastructure capacity, and ensuring long-term environmental and public health resilience.

Country Insights

The North America Calcium Hypochlorite Market is segmented by country into the United States, Canada, and Mexico, with the United States holding the largest market share in 2024. The increasing number of water treatment projects in the U.S. is a primary driver of market growth. For instance, the Whites Creek Wastewater Treatment Plant, which is set to treat 34 million gallons of water per day, exemplifies the scale of investment in water treatment infrastructure. Additionally, in January 2023, the Tennessee Department of Environment and Conservation announced 24 grants totaling \$125.95 million aimed at improving drinking water, wastewater, and stormwater infrastructure through the American Rescue Plan (ARP) fund. Such ongoing projects and favorable funding initiatives are crucial in driving the calcium hypochlorite market in the U.S.

Company Profiles

Key players in the North America Calcium Hypochlorite Market include:

Accepta Ltd

Merck KGaA

American Elements Inc

China Petroleum & Chemical Corp (Sinopec)

Aditya Birla Chemicals (Thailand) Limited

Innova Corporate

Nippon Soda Co. Ltd

Tianjin Ruifuxin Chemical Co. Ltd

Westlake Chemical Corporation

Tosoh Corporation

ORGANIC INDUSTRIES PVT LTD

ACURO ORGANICS LIMITED

Union Group Chemical Company S.L

Haixing Eno Chemical Co. Ltd (Eno Chem)

Shijiazhuang Yuncang Water Technology Corp Ltd

These companies are actively pursuing strategies such as expansion, product innovation, and mergers and acquisitions to enhance their market presence and offer innovative solutions to consumers.

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