

Sodium Silicate Market by Form (Liquid, Solid), Application (Detergent & Cleaning Agents, Precipitated Silica, Pulp & Paper, Water Treatment, Other Application), & Region (North America, Europe, Asia Pacific, South America, MEA) - Global Forecast to 2029

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Abstracts

The market for sodium silicate is approximated to be USD 5.50 billion in 2024, and it is projected to reach USD 6.83 billion by 2029 at a CAGR of 4.4%. The growing demand for sodium silicate is driven by its application in detergent manufacturing, as a fundamental ingredient because of its cleaning and emulsifying nature. The growth of construction activities also propel its application in cement and adhesives from its ability to form a strong bind and strengthen surfaces. Sodium silicate is also used by the pulp and paper industry for bleaching, de-inking, and sizing. Tough environmental laws also favor its increasing use in wastewater treatment and purification. All these combined are driving the increasing demand for sodium silicate in various industries.

By Form, Liquid sodium silicate accounted for the highest CAGR during the forecast period

The liquid sodium silicate segment has the highest CAGR in the forecast period due to its higher solubility, application ease, and process efficiency. Its growing use in detergents, adhesives, and water treatment chemicals has been a significant driver, particularly in rapidly industrializing regions. In the construction industry, liquid sodium silicate is used for densification of concrete and surface treatment because it has the property to increase durability as well as resistance. Its growing application in the pulp and paper industry for de-inking and coatings has also driven demand further. Growth in

the segment is also being facilitated through developments in formulation technologies, which allow for improved performance in a range of industries.

By Application, Precipitated silica accounted for the highest CAGR during the forecast period

The precipitated silica segment registered the highest CAGR in the forecast period due to its expanding applications in the rubber, food, and personal care sectors. Its growing applications as a tire reinforcing agent on account of growing demand for fuel-efficient and high-performance tires has been a strong market growth contributor. Precipitated silica finds extensive application in the food industry as an anti-caking agent in powdered and granulated form. Furthermore, its use as a thickener and conditioner in cosmetics and personal care products has increased demand. Improved production processes for silica and increased investments in specialty-grade precipitated silica also favor the growth of the segment at a fast pace.

APAC is projected to account for the highest CAGR in the sodium silicate market during the forecast period

The Asia Pacific region is expected to have the highest CAGR within the sodium silicate market over the forecast period because of the region's robust base of manufacturing, growing foreign investments, and developments in production technologies. Economies such as China, India, and Japan are experiencing chemical processing facilities expanding, thereby resulting in increased sodium silicate consumption. Favorable government policies, lower production costs, and easy availability of raw materials further support market growth.

By Company Type: Tier 1: 55%, Tier 2: 25%, Tier 3: 20%

By Designation: Directors: 50%, Managers: 30%, Others: 20%

By Region: North America: 20%, Europe: 25%, Asia Pacific: 45%, ROW-10%

Companies Covered:

Companies Covered: PQ Corporation (US), Qemetica (Poland), Nippon Chemical Industrial Co., Ltd. (Japan), Occidental Petroleum Corporation (US), Tokuyama Corporation (Japan), FUJI CHEMICAL Co., Ltd. (Japan), IQE Group (Spain), Oriental

Silicas Corporation (Taiwan), Evonik Industries AG (Germany), and Metro Chem Industries (Ahmedabad) are some key players in sodium silicate Market.

Research Coverage

The market study covers the sodium silicate market across various segments. It aims to estimate the market size and the growth potential of this market across different segments based on form, application, and region. The study also includes an in-depth competitive analysis of key players in the market, their company profiles, key observations related to their products and business offerings, recent developments undertaken by them, and key growth strategies adopted by them to improve their position in the sodium silicate market.

Key Benefits of Buying the Report

The report is expected to help the market leaders/new entrants in this market share the closest approximations of the revenue numbers of the overall sodium silicate market and its segments and sub-segments. This report is projected to help stakeholders understand the competitive landscape of the market, gain insights to improve the position of their businesses and plan suitable go-to-market strategies. The report also aims to help stakeholders understand the pulse of the market and provides them with information on the key market drivers, challenges, and opportunities.

The report provides insights on the following pointers:

Analysis of key drivers (Growing demand in detergent production, expansion in construction activities, rising demand from the pulp and paper industry, environmental regulations favoring water treatment), restraints (fluctuating raw material prices, and health and environmental concerns), opportunities (applications in green tire manufacturing, rapid urbanization in africa and asia, use in lithium-ion battery recycling, development of advanced oil recovery techniques), and challenges (environmental and regulatory compliance and competition from alternative materials) influencing the growth of the sodium silicate market.

Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product & service launches in the sodium silicate market

Market Development: Comprehensive information about profitable markets – the report analyses the sodium silicate market across varied regions

Market Diversification: Exhaustive information about new products & services, untapped geographies, recent developments, and investments in the sodium silicate market

Competitive Assessment: In-depth assessment of market shares, growth strategies, and service offerings of leading players like as PQ Corporation (US), Qemetica (Poland), Nippon Chemical Industrial Co., Ltd. (Japan), Occidental Petroleum Corporation (US), Tokuyama Corporation (Japan), FUJI CHEMICAL Co., Ltd. (Japan), IQE Group (Spain), Oriental Silicas Corporation (Taiwan), Evonik Industries AG (Germany), Metro Chem Industries (Ahmedabad) and others in the sodium silicate market. The report also helps stakeholders understand the pulse of the sodium silicate market and provides them with information on key market drivers, restraints, challenges, and opportunities.

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