

# Sodium Silicate Market | New Innovation and Future Demand Dynamics By 2030

*The sodium silicate market has seen steady growth over the years due to its versatile applications across various industries. Sodium silicate.*

WILMINGTON, DELAWARE, UNITED STATES, November 24, 2023 /EINPresswire.com/ -- The [sodium silicate market](#) has seen steady growth over the years due to its versatile applications across various industries. Sodium silicate, commonly known as water glass, is a compound derived from sodium oxide and silica. Its properties, such as adhesive strength, chemical stability, and binding abilities, make it useful in diverse sectors.



Sodium Silicate Market Growth

According to the report, the global sodium silicate industry garnered \$7.2 billion in 2019, and is expected to generate \$9.2 billion by 2027, witnessing a CAGR of 3.7% from 2020 to 2027.

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**Key Features:** It's a crucial component in detergents, acting as a binding and anticorrosive agent. It helps in stabilizing the formulation of detergents and provides alkalinity.

Surge in demand for manufacturing detergents, soaps, rubbers, and tires and increased demand from the pulp & paper industry drive the growth of the global sodium silicate market. However, hazardous nature of sodium silicate and availability of substitutes hinder the market growth. On the other hand, increase in application in the construction industry presents new opportunities in the coming years.

**Construction Segment:** Sodium silicate is used in cement formulations and concrete treatment. It acts as a concrete sealer, as well as a binder for refractory materials used in high-temperature applications.

The crystalline segment contributed to the highest market share, accounting for nearly two-thirds of the global sodium silicate market in 2019, and is expected to maintain its lead position throughout the forecast period. Moreover, this segment is projected to manifest the highest CAGR of 3.9% from 2020 to 2027. This is due to its application in fireproofing mixtures, laundry, dairy, metal, and floor cleaning. The report provides a detailed analysis of the anhydrous segment.

**Fireproofing Segment:** It's utilized as a binding agent in paper production and helps improve the fire resistance of paper.

The construction segment held the highest market share in 2019, accounting for nearly one-third of the global sodium silicate market, and is estimated to maintain its leadership status in terms of revenue throughout the forecast period. This is due to its usage in soil stabilization, concrete hardening, and cement refractories. However, the pulp & paper segment is expected to portray the highest CAGR of 4.3% from 2020 to 2027, owing to its increased use in fresh as well as recycled paper for de-inking and brightening pulps.

**Chemical Segment:** Sodium silicate serves as a raw material in the production of various chemicals, including silica gel, zeolites, and precipitated silica.

**Automotive Segment:** In the automotive sector, sodium silicate is used in coatings, adhesives, and as a component in coolant formulations.

The market growth is often influenced by factors like industrialization, demand for eco-friendly products, and technological advancements enhancing the application scope of sodium silicate.

North America is expected to witness the fastest CAGR of 4.3% during the forecast period. This is due to increase in activities in construction, detergent, catalyst, tube winding, and paper & pulp industries in the region. However, Asia-Pacific contributed to the largest market share in 2019, holding more than two-fifths of the global sodium silicate market, and is estimated to maintain its dominant share by 2027. This is attributed to presence of large number of corporations and expansion of businesses by market players in the region.

Additionally, factors such as availability of raw materials (sodium carbonate and silica), environmental regulations impacting production methods, and competition from alternative products also play significant roles in shaping the market dynamics.

Market trends often focus on developing eco-friendly and cost-effective production methods, exploring novel applications, and catering to the demands of various end-user industries. The

market is highly competitive with several key players contributing to its growth.

Key players in the market are:-

- Tokuyama Corporation
- Evonik Industries AG
- Merck Millipore Limited
- Nippon Chemical Industrial Co. Ltd.
- PQ Group Holdings Inc.
- Occidental Petroleum Corporation
- CIECH S.A.
- Sinchem Silica Gel Co. Ltd.
- Shijiazhuang Shuanglian Chemical Industry Co. Ltd.
- Kiran Global Chem Limited

For more information on the market, visit our website:

<https://www.alliedmarketresearch.com/sodium-silicate-market/purchase-options>

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