

Global Sodium Silicate Market Analysis: Plant Capacity, Production, Operating Efficiency, Demand & Supply, Type, End-User Industries, Sales Channel, Regional Demand, Company Share, Foreign Trade, 2015-2035

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Abstracts

The global Sodium Silicate market has expanded to reach approximately 8.7 million tonnes in 2021 and is expected to grow at a CAGR of 3.71% during the forecast period until 2035. On 17th January 2022, Hangzhou Asia Chemical Engineering Co., Ltd. began running their new Solid Sodium Silicate plant in Zambia. The plant has an annual capacity of 10,000 tons.

Sodium Silicate is a common name for a group of compounds which comprise of the formula $\text{Na}_2\text{xSi}_y\text{O}_{2y+\text{x}}$ and include various silicates including the sodium metasilicate. A combination of silica (quartz sand), caustic soda, and water when treated with hot steam in a reactor, creates sodium silicate. It is commonly named as waterglass, appear colourless and are readily soluble in water. Sodium silicate displays numerous properties like, stability at high temperature, resistance to acidic medium and basic medium. The industrial applications include detergents, drilling fluids, soaps, refractory cement, soil stabilization, zeolites, adhesives, and mineral processing

The primary market driver for the global sodium silicate market is for the preparation of Precipitated Silica. Precipitated Silica industry have applications such as coatings, rubbers, adhesives, sealants, inks, and adhesives. This industry consumed about 37% of the global Sodium Silicate market and is estimated to dominate the market in the forecasted time as well. Precipitated Silica has numerous applications in the rubber & plastic industry, food processing, pharmaceuticals, and defoaming applications. Additionally, the industrialization and growth of construction activities will provide a

thrust to the Sodium Silicate demand in the forecast period. The construction industry's growing use of the products for soil treatment, concrete refractories, and concrete strengthening is also helping the market expand. Moreover, the application of Sodium Silicate in the paper industry as an adhesive, as well as a stabilizer for pulp bleaching and as an additive for de-inkling recycled paper will further swell up the demand of Sodium Silicate in the forecast period. The global Sodium Silicate market is expected to reach a demand of approximately 14.5 million with a CAGR of 3.71% by the forecast period.

Based on demand by region, Asia Pacific dominates the global Sodium Silicate market. It is anticipated that Asia Pacific will continue to dominate the market in the forecast period. Major developing nations situated in Asia Pacific region are investing on their infrastructure. Sodium silicate is employed in the construction of infrastructure as a binder or glue that offers much-needed strength to building structures. Thus, infrastructure development will expand the global Sodium Silicate market in the forecast period. Based on production, USA is leading across the globe. In 2021, the Sodium Silicate production by companies situated in USA, contributing more than 35% of the global Sodium Silicate production.

Based on type, the Sodium Silicate market is segregated into Liquid and Dry Solid. Liquid type dominates the global Sodium Silicate market and with a market share of about 69% in 2021 and expected to dominate the market in the forecast period.

Based on the end-user industry, the global Sodium Silicate market is segmented into Precipitated Silica, Detergents, Paper Production, Titanium White, Ceramic Materials, and others. The Precipitated Silica industry is the dominating the Sodium Silicate market with and is expected to dominate the market till 2035. It is anticipated to remain the primary consumer in forecast period. Detergent and Paper Production Industry also hold significant shares of this market.

Major players in the production of Global Sodium Silicate are PQ Corp., Occidental Petroleum Corporation-Oxy (Diamond Shamrock), CIECH Vitrosilicon S.A., DuPont de Nemours, Qingdao Dongyue Sodium Silicate Co., Ltd., Kiran Global Chems Limited, Wecan Industrial Corporation, and others.

Years considered for this report:

Historical Period: 2015- 2021

Base Year: 2021

Estimated Year: 2022

Forecast Period: 2023-2035

Objective of the Study:

To assess the demand-supply scenario of Sodium Silicate which covers production, demand and supply of Sodium Silicate market in the globe.

To analyse and forecast the market size of Sodium Silicate

To classify and forecast Global Sodium Silicate market based on end-use and regional distribution.

To examine competitive developments such as expansions, mergers & acquisitions, etc., of Sodium Silicate market in the globe.

To extract data for Global Sodium Silicate market, primary research surveys were conducted with Sodium Silicate manufacturers, suppliers, distributors, wholesalers and Traders. While interviewing, the respondents were also inquired about their competitors. Through this technique, ChemAnalyst was able to include manufacturers that could not be identified due to the limitations of secondary research. Moreover, ChemAnalyst analyzed various segments and projected a positive outlook for Global Sodium Silicate market over the coming years.

ChemAnalyst calculated Sodium Silicate demand in the globe by analyzing the historical data and demand forecast which was carried out considering the historical extraction and supply and demand of Sodium Silicate across the globe. ChemAnalyst sourced these values from industry experts, and company representatives and externally validated through analyzing historical sales data of respective manufacturers to arrive at the overall market size. Various secondary sources such as company websites, association reports, annual reports, etc., were also studied by ChemAnalyst.

Key Target Audience:

Sodium Silicates manufacturers and other stakeholders

Organizations, forums and alliances related to Sodium Silicates distribution

Government bodies such as regulating authorities and policy makers

Market research organizations and consulting companies

The study is useful in providing answers to several critical questions that are important for industry stakeholders such as Sodium Silicates manufacturers, customers and policy makers. The study would also help them to target the growing segments over the coming years (next two to five years), thereby aiding the stakeholders in taking investment decisions and facilitating their expansion.

Report Scope:

In this report, Global Sodium Silicates market has been segmented into following categories, in addition to the industry trends which have also been detailed below:

Market, by Type: Liquid Type and Dry Solid Type

Market, by End-Use: Precipitated Silica, Detergents, Paper Production, Titanium White, Ceramic Materials, and others.

Market, by Sales Channel: Direct Sale and Indirect Sale

Market, by Region: North America, Europe, Asia Pacific, Middle East and Africa, and South America.

Available Customizations:

With the given market data, ChemAnalyst offers customizations according to a company's specific needs.

Contents

1. CAPACITY BY COMPANY

On our online platform, you can stay up to date with essential manufacturers and their current and future operation capacity on a practically real-time basis for Sodium Silicate.

2. CAPACITY BY LOCATION

To better understand the regional supply of Sodium Silicate by analyzing its manufacturers' location-based capacity.

3. PRODUCTION BY COMPANY

Study the historical annual production of Sodium Silicate by the leading players and forecast how it will grow in the coming years.

4. DEMAND BY TYPE

Learn about the various types of Sodium Silicate: Liquid Type and Dry Solid Type, and their demands. It will allow you to choose which type to concentrate on when designing your strategy.

5. DEMAND BY END- USE

Discover which end-user industry (Precipitated Silica, Detergents, Paper Production, Titanium White, Ceramic Materials, and other) are creating a market and the forecast for the growth of the Sodium Silicate market.

6. DEMAND BY REGION

Analysing the change in demand of Sodium Silicate in different regions, i.e., North America, Europe, Asia Pacific, Middle East and Africa, and South America, that can direct you in mapping the regional demand.

7. DEMAND BY SALES CHANNEL (DIRECT AND INDIRECT)

Multiple channels are used to sell Sodium Silicate. Our sales channel will help in analyzing whether distributors and dealers or direct sales make up most of the

industry's sales.

8. DEMAND-SUPPLY GAP

Determine the supply-demand gap to gain information about the trade surplus or deficiency of Sodium Silicate.

9. COMPANY SHARE

Figure out what proportion of the market share of Sodium Silicate is currently held by leading players across the globe.

10. COUNTRY-WISE EXPORT

Get details about quantity of Sodium Silicate exported by major countries.

11. COUNTRY-WISE IMPORT

Get details about quantity of Sodium Silicate imported by major countries.

12. PRICING ANALYSIS & FORECAST

Analyze historical prices since 2015 & Forecast on three months rolling period for next 12 months.

Years considered for this report:

Historical Period: 2015- 2022

Base Year: 2022

Estimated Year: 2023

Forecast Period: 2024-2032

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