

Sodium Silicate Market by Form (Crystalline and Anhydrous), Type (Liquid and Solid), Grade (Neutral and Alkaline), Application (Paints, Adhesives, Refractories Tube Winding, Detergent, Catalyst, and Others), and End Use (Pulp & Paper, Construction, Automotive, and Others): Global Opportunity Analysis and Industry Forecast, 2020–2027

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Abstracts

The sodium silicate market was valued at \$7.2 billion in 2019, and is anticipated to generate \$9.2 billion by 2027. The market is projected to experience growth at a CAGR of 3.7% from 2020 to 2027.

Sodium silicate, also known as liquid glass, is manufactured by the reaction between sodium carbonate and silica sand at elevated temperature (1200-1400). Sodium silicate exists as a white powder when it is dry, and is soluble in alkalis and water. However, sodium silicate is insoluble in acids and alcohol. Depending upon the ratio of soda and silica, the form may vary from viscous to liquid. It becomes colorless, gas like powder, or syrup-like liquid when mixed with water and heated under pressure. In addition, sodium silicate is non-flammable, odorless, and will not impart any taste to the packaging contents when used as adhesives.

Surge in utilization of sodium silicate in various application, such as paints, adhesives, and tube winding, is expected to drive the demand for the global sodium silicate market. Increase in application of sodium silicate in green tires is expected to fuel the segment growth during the forecast period. In addition, rapid usage of sodium silicate in detergent, owing to its beneficial properties, such as emulsification, wetting, and deflocculation is anticipated to enhance the market demand. However, the hazardous

effect on humans due to prolonged exposure of the sodium silicate is expected to hamper the market growth. Nonetheless, advanced production process, such as sugar addition to eliminate the knocking problem is anticipated to act as an opportunity in the upcoming period.

The sodium silicate market is segmented on the basis of form, type, grade, application, end use, and region. Depending on form, the market is segmented into crystalline and anhydrous. By type, the market is bifurcated into liquid and solid. The grade segment is further divided into neutral and alkaline. Based on application, the market is divided into paints, adhesives, refractories, tube winding, detergent, catalyst, and others. Based on end use, the market is categorized into pulp & paper, construction, automotive, and others.

Based on region, it is analyzed across North America, Europe, Asia-Pacific, and LAMEA. The key players operating 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., and Kiran Global Chem Limited. The players in the market have adopted several strategies, such as product launch and business expansion to sustain the market competition.

COVID-19 Impact Analysis

The global economy was deeply impacted by the lockdowns as many activities came to halt. The industries were at total lockdown; thus, many sectors shut down their activities of production and manufacturing. This led to decrease in demand for sodium silicate. Now, the world is again preparing for lockdown measures for the second wave that has hit again from the new strain of the virus which is known to be deadlier. However, reduced per day cases in other regions and ongoing manufacturing & production facilities that have matched the pre-COVID scenario and thus the market has gained its previous position after suffering medium impact.

KEY BENEFITS FOR STAKEHOLDERS

The report provides extensive qualitative and quantitative analysis of the current trends and future estimations of the sodium silicate market from 2019 to 2027 to determine the prevailing opportunities.

Comprehensive analysis of factors that drive and restrict sodium silicate market growth is provided.

The sodium silicate market forecast and estimations are based on factors impacting the market growth, in terms of value.

Profiles of leading players operating in the sodium silicate market are provided to understand the global competitive scenario.

The report provides extensive qualitative insights on the significant segments and regions exhibiting favorable sodium silicate market share.

The sodium silicate market size is provided in terms of revenue

The report provides an in-depth analysis of the forecast along with the current and future sodium silicate market trends

KEY MARKET SEGMENTS

By Form

Crystalline

Anhydrous

By Type

Liquid

Solid

By Grade

Neutral

Alkaline

By Application

Paints

Adhesives

Refractories

Tube Winding

Detergent

Catalyst

Others

By End Use

Pulp & Paper

Construction

Automotive

Others

By Region

North America

U.S.

Canada

Mexico

Europe

Germany

France

UK

Italy

Spain

Rest of Europe

Asia-Pacific

China

Japan

India

Australia

South Korea

Rest of Asia-Pacific

LAMEA

Brazil

South Africa

Saudi Arabia

Rest of LAMEA

Key Players

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

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