

Global Sodium Carbonate Market Outlook to 2027

<https://marketpublishers.com/r/GA3A7CB0CDD1EN.html>

Date: March 2022

Pages: 160

Price: US\$ 4,490.00 (Single User License)

ID: GA3A7CB0CDD1EN

Abstracts

Sodium Carbonate, also called soda ash, is an anhydrous, grayish-white, odorless, water-soluble powder usually obtained by the Solvay process. It is a sodium salt of carbonic acid existing in several hydrated forms. According to BlueQuark Research & Consulting, the global Sodium Carbonate market is expected to witness a significant growth rate during the forecasted period. Factors like the increasing use of Sodium Carbonate in the glass industry, adding sodium carbonate to the mixture reduces its chemical durability, making it prone to dissolve when in contact with liquids, are expected to drive the global market. Further, in the soap & detergent industry, Sodium Carbonate is used to neutralize the fatty acid and convert it to the salt projected to drive the global market. Furthermore, in the paper & pulp industry, Sodium Carbonate is used in preparing pulp by separating the cellulose fibers from the plant material and is expected to drive market growth. However, sodium carbonate is slightly poisonous, and excessive dosages can damage the gastrointestinal tract, causing severe stomach discomfort, vomiting, diarrhea, collapse, and may cause death. Excessive contact can irritate the skin, resulting in blisters and redness, which is expected to hinder the global market growth.

Sodium Carbonate is used to manufacture glass with limestone and sand. It is also used in laundry additives, machine dishwashing products, surface cleaners, toilet cleaners, and other household cleaning products. It is used in the paper & pulp industry, and in water treatment, it is used to remove the temporary and permanent hardness of the water. It is used to accelerate the hardening of soil lime fly ash and soil-cement mixtures. It is used as a wetting agent in the brick industry and helps decrease the amount of water needed for clay extrusion.

The Glass Industry is the most vital consumer of Sodium Carbonate and is projected to drive the Global Market. Water glass is produced by roasting sodium carbonate and silica sand in a furnace at a specific temperature, making the Global Market for Sodium

Carbonate bound to rise. According to the U.S. Geological Survey, the overall value of domestic natural sodium carbonate produced in 2019 was around USD 1.8 billion, with 12 million tonnes produced in the United States, roughly the same as the previous year. When Sodium Carbonates are added, the melting point of sand is reduced so that it can be transformed into glass at lower temperatures and save energy throughout the production process, and the demand for the industry shoots, thus driving the Global Sodium Carbonate Industry. Therefore the mentioned use of Sodium Carbonate in the Glass Industry is expected to grow and drive the overall market in the future.

The Asia-Pacific is expected to be the leader in producing and consuming Sodium Carbonate, with most consumption in countries like China and India. China is the leading Sodium Carbonate producer in the world. With the growing population, the demand for Sodium Carbonate in the glass industry is increasing. The most significant use of Sodium Carbonate in the glass industry is to decompose silicates for glass, thus driving the global Sodium Carbonate market. In the soap & detergent industry, Sodium Carbonate inhibits hard water from combining with detergent, allowing for more even cleaning agent dispersion during the wash cycle, which drives the need for Sodium Carbonate in the Global Market. In the paper & pulp industry, Sodium Carbonate is used in paper recycling is expected to drive the demand for Sodium Carbonate in the market. Sodium Carbonate is used to soften water in the water treatment industry as it does not contain dissolved calcium and magnesium ions, driving the global Sodium Carbonate market. Sodium carbonate is one of the most efficient hydration and setting accelerators in Portland cement pastes, hastening the hydration of alite and promoting the cement pastes early mechanical strength, driving the Sodium Carbonate market. Sodium Carbonate works well as a plasticizer and a water-reducer in the brick-laying industry, resulting in solid construction, driving the demand for Sodium Carbonate in the market. The mentioned factors have made the Asia-Pacific an essential region for growth in the Sodium Carbonate Market.

Some of the market's key players are Solvay S.A., Tata Chemicals Limited, Merck Millipore, CIECH S.A., Tokuyama Corporation, among others.

In January 2021, Carbon Clean started running the world's first low-cost, industrial-scale carbon capture and utilization facility in collaboration with Tuticorin Alkali Chemicals and Fertilizers Limited (TFL). The CO₂ is subsequently transformed into sodium carbonate, utilized in household products, glass manufacturing, and paper production.

The Global Sodium Carbonate Market report provides deep insight into the Industrial

market's current and future state across various regions. The study comprehensively analyses the Sodium Carbonate market by segmenting based on the By Forms (Heavy, Light, Others), By Type (Natural, Synthetic, Others), By Application (Glass, Soap & Detergent, Paper & Pulp, Water Treatment, Cement, Brick, Others), and Geography (Asia-Pacific, North America, Europe, South America, and Middle-East and Africa). The report examines the market drivers and restraints and the impact of Covid-19 on the market growth in detail. The study covers and includes emerging market trends, developments, opportunities, and challenges in the industry. This report also covers extensively researched competitive landscape sections with prominent companies and profiles, including their market shares and projects.

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