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Sodium Hydrosulfite Market Forecasts to 2030 – Global Analysis by Product (Calcium stearate, Sodium stearate, Zinc stearate, Magnesium stearate, Aluminum monostearate and Other Products), Type, Form, Production Process, Distribution Channel, Application and By Geography

https://marketpublishers.com/r/S7CCDE632723EN.html
Date: February 2025
Pages: 150
Price: US$ 4,150.00 (Single User License)
ID: S7CCDE632723EN

Abstracts

According to Stratistics MRC, the Global Sodium Hydrosulfite Market is accounted for $1.67 billion in 2024 and is expected to reach $2.19 billion by 2030 growing at a CAGR of 4.65% during the forecast period. Sodium hydrosulfite, also known as sodium dithionite (Na2S2O4), is a white crystalline powder that is commonly employed as a reducing agent in a variety of industrial applications. Because it efficiently lowers dyes and eliminates color from textiles, it is widely used in the textile industry for bleaching and dyeing procedures. Additionally, sodium hydrosulfite is used as a photographic developer, in the chemical industry to synthesize other compounds, and in the paper and pulp industries to bleach wood pulp. It is a potent reducing agent that produces sulfur dioxide when it reacts with oxygen. It must be handled and stored carefully since it is sensitive to moisture and air.

According to the International Labor Organization, China is the world’s leading producer and exporter of both textiles and garments.

Market Dynamics:

Driver:

Increasing Demand for Bleaching Agents

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The rising demand for bleaching agents has a substantial influence on the market, since sodium hydrosulfite is widely used in sectors such as textiles, paper, and food for bleaching. The industry is driven by this growing demand as producers look for bleaching methods that are both effective and affordable. The popularity of sodium hydrosulfite is further increased by the rising need for non-toxic, ecologically friendly bleaching solutions. The market's growth is also aided by the rise of sectors like textiles in emerging nations, which highlights the market's crucial position in the bleaching process.

Restraint:

Health and Safety Risks

Health and safety concerns impede the Sodium Hydrosulfite market by creating difficulties in handling, storage, and transportation. Strict safety precautions are necessary since exposure to this chemical can cause breathing problems, skin irritation, and other health risks. Market restrictions are also a result of regulatory frameworks and heightened inspection of dangerous products. The extensive use of sodium hydrosulfite in industrial applications is constrained by these issues, which raise operating costs, thus it limits market growth.

Opportunity:

Rising Industrialization in Emerging Markets

The expanding industrialization in emerging nations has a significant influence on the Sodium Hydrosulfite market, pushing demand in industries such as textiles, paper & pulp, and water treatment. The need for reducing and bleaching chemicals, such as sodium hydrosulfite, increases as these sectors grow. Furthermore, the development of infrastructure and industrial capacity in these areas speeds up the use of sodium hydrosulfite for a range of purposes, such as chemical production and fabric whitening, encouraging market growth and innovation in rising nations.

Threat:

Fluctuating Raw Material Prices

Production stability and profitability are hampered by fluctuating raw material costs in

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the sodium hydrosulfite market. Manufacturers struggle to maintain cost-effective manufacturing when the price of essential raw materials, such as sulfur dioxide and sodium bisulfite, climbs erratically. Increased operating costs, unstable end-user prices, and a diminished capacity for market expansion can all result from this volatility. It also affects long-term contracts and supply chain planning for businesses in the sector.

Covid-19 Impact:

The COVID-19 pandemic significantly disrupted the Sodium Hydrosulfite market, causing supply chain interruptions and delays in production, especially in the textile and paper industries. Lockdowns and reduced industrial activities led to decreased demand. However, as industries gradually recovered, the market saw a rebound, driven by the reopening of manufacturing sectors and increased focus on hygiene and sanitation, which boosted the demand for disinfectants and bleaching agents.

The technical grade segment is expected to be the largest during the forecast period

The technical grade segment is expected to account for the largest market share during the forecast period, as technical-grade sodium hydrosulfite is widely used in industries such as textiles, paper, and chemicals for applications like bleaching, reducing agents, and water treatment. Its cost-effectiveness and efficiency in industrial processes contribute to its demand. Moreover, its ability to offer reliable performance in various chemical reactions drives its adoption. As a result, the technical-grade segment plays a key role in expanding market growth and enhancing production capabilities.

The textiles & apparel segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the textiles & apparel segment is predicted to witness the highest growth rate because cloth bleaching, color removal, and the creation of different textile finishes are all made possible by sodium hydrosulfite. The usage of sodium hydrosulfite in textile manufacturing has expanded as a result of the rising need for creative, environmentally friendly fabric treatments and sustainable production techniques. Furthermore, the growing popularity of stylish yet affordable clothing increases the need for sodium hydrosulfite in dyeing and finishing procedures.

Region with largest share:

During the forecast period, the North America region is expected to hold the largest

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market share due to widespread use in industries such as textiles, paper, and chemicals. The demand for sodium hydrosulfite in textile processing, including bleaching and dyeing, is a key factor. Additionally, its role in the paper industry for deinking recycled paper boosts its market growth. The growing need for eco-friendly and efficient chemical solutions also fuels demand. Furthermore, applications in water treatment and pharmaceuticals contribute to the market's expansion across the region.

Region with highest CAGR:

Over the forecast period, the Asia Pacific region is anticipated to exhibit the highest CAGR owing to rapid industrialization, particularly in countries like China and India, the demand for Sodium Hydrosulfite has surged. The growing textile manufacturing sector, increasing consumption of paper and pulp, and rising environmental concerns over wastewater treatment have amplified the demand. Additionally, its applications in the mining and chemical industries further bolster market expansion in the region.

Key players in the market

Some of the key players in Sodium Hydrosulfite market include BASF Corporation, Chemtrade Logistics Inc, Guangdi Chemical Co., Ltd., Gulshan Chemicals Private Limited , Emerald Scientific, Havilland Enterprises, Inc, Del Amo Chemical Co., BariteWorld, Mays Chemical Company, Peak Sulfur East, Mil-Spec Industries, Phibro Animal Health Corporation, Jacquard Products, Samirian Chemicals, Inc, Oakwood Products, Inc, Emerald Scientific, SAE Manufacturing Specialties Corp and Wego Chemical Group.

Key Developments:

In October 2024, BASF made a strategic partnership with Aspen Aerogels to enhance its aerogel product offerings and expand its market reach. This partnership is set to drive innovation in aerogel technologies, particularly in high-performance insulation materials.

In July 2024, BASF launched Haptex 4.0, an innovative polyurethane solution for the production of synthetic leather that is 100% recyclable. Synthetic leather made with Haptex 4.0 and polyethylene terephthalate (PET) fabric can be recycled together using an innovative formulation and recycling technical pathway without the need of layer peel-off process.

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In April 2024, BASF successfully commissioned a pilot plant dedicated to producing SLENTITE, a cutting-edge polyurethane-based aerogel insulation panel. This innovative product is designed to meet the increasing demand for efficient thermal insulation in construction, offering a unique combination of lightweight characteristics and mechanical strength.

Products Covered:

- Calcium Stearate
- Sodium Stearate
- Zinc Stearate
- Magnesium Stearate
- Aluminum Monostearate
- Other Products

Types Covered:

- Technical Grade
- Food Grade

Forms Covered:

- Powder
- Granules
- Liquid Solutions

Production Processes Covered:

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Zinc Dust Process

Sodium Formate Process

Distribution Channels Covered:

Direct Sales

Distributors

Online Retailers

Applications Covered:

Textiles & Apparel

Pulp & Paper

Leather & Tanning

Food & Beverages

Chemicals & Petrochemicals

Other Applications

Regions Covered:

North America

US

Canada

Mexico

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- Europe
  - Germany
  - UK
  - Italy
  - France
  - Spain
  - Rest of Europe
- Asia Pacific
  - Japan
  - China
  - India
  - Australia
  - New Zealand
  - South Korea
  - Rest of Asia Pacific
- South America
  - Argentina
  - Brazil
  - Chile
  - Rest of South America

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Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:
- Market share assessments for the regional and country-level segments
- Strategic recommendations for the new entrants
- Covers Market data for the years 2022, 2023, 2024, 2026, and 2030
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)
- Strategic recommendations in key business segments based on the market estimations
- Competitive landscaping mapping the key common trends
- Company profiling with detailed strategies, financials, and recent developments
- Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

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Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

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Contents

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11 GLOBAL SODIUM HYDROSULFITE MARKET, BY GEOGRAPHY

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List Of Tables

LIST OF TABLES

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Note: Tables for North America, Europe, APAC, South America, and Middle East & Africa Regions are also represented in the same manner as above.

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