

# Sodium Bisulfite Market Forecasts to 2030 – Global Analysis By Type (Anhydrous Sodium Bisulfite, Sodium Bisulfite Solution, Sodium Bisulfite Powder and Other Types), Form, Distribution Channel, Application, End User and By Geography

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## Abstracts

According to Statistics MRC, the Global Sodium Bisulfite Market is accounted for \$751.7 million in 2024 and is expected to reach \$1042.3 million by 2030 growing at a CAGR of 5.6% during the forecast period. Sodium bisulfite ( $\text{NaHSO}_3$ ) is a white, crystalline powder that is highly soluble in water. It is a compound of sodium, hydrogen, sulfur, and oxygen, and is commonly used as a reducing agent, antioxidant, and preservative. Sodium bisulfite is widely utilized in various industries, such as food preservation, water treatment, and chemical manufacturing. It prevents oxidation, inhibits microbial growth, and is employed in bleaching processes, including those in paper and textiles.

According to Flexible Packaging Association (FPA), Flexible Packaging is the second largest packaging segment in the U.S., garnering about 19 percent of the \$170 billion U.S. packaging market as of June 2019 and largest market for flexible packaging is food (retail and institutional), accounting for about 59 percent of shipments.

Market Dynamics:

Driver:

Rising demand in water treatment

The growing demand for water treatment solutions is significantly driving the market,

primarily due to its effectiveness in neutralizing chlorine in water. As industries and municipalities seek to improve water quality and meet stricter environmental regulations, Sodium Bisulfite's role in dechlorination and preventing corrosion becomes increasingly critical. Its widespread use in municipal water systems, industrial effluent treatment, and environmental protection efforts is fueling market expansion, as sustainable water management practices gain more emphasis globally.

#### Restraint:

##### Health and environmental concerns

Health and environmental concerns surrounding Sodium Bisulfite are limiting its market growth. Prolonged exposure can cause respiratory issues, skin irritation, and allergic reactions, raising concerns for workers in manufacturing and food processing sectors. Environmentally, improper disposal of Sodium Bisulfite can lead to water contamination and soil degradation. These negative effects have led to stricter regulations and a push for safer alternatives in both water treatment and food preservation, potentially slowing the demand in various industries.

#### Opportunity:

##### Increasing use in food preservation

The increasing use of Sodium Bisulfite in food preservation is driving market growth, as it effectively prevents spoilage, discoloration, and microbial contamination in various food products. Its role as a preservative, antioxidant, and bleaching agent in items like dried fruits, wines, and processed foods is vital. With rising consumer demand for longer shelf life and safer food products, Sodium Bisulfite is becoming more widely adopted. This trend is fueling its growth in the global food preservation market, driven by both health and convenience factors.

#### Threat:

##### Availability of substitutes

The availability of substitutes is a significant challenge for the market. Alternatives like chlorine dioxide, ozone, and activated carbon are gaining traction in water treatment, while natural preservatives such as ascorbic acid are replacing Sodium Bisulfite in food preservation. These substitutes often offer similar benefits with fewer health and

environmental concerns. As industries seek safer and more sustainable options, the growing preference for these alternatives could hinder the demand for Sodium Bisulfite in various applications.

#### Covid-19 Impact:

The COVID-19 pandemic had a mixed impact on the market. Disruptions in supply chains, factory closures, and reduced industrial activity slowed production and demand, especially in sectors like food processing and water treatment. However, the pandemic also heightened awareness of sanitation and health, leading to increased demand for disinfectants and water treatment solutions, which boosted market growth. As economies recover, the market is gradually rebounding, driven by the need for efficient chemicals in various industries.

The anhydrous sodium bisulfite segment is expected to be the largest market share during the forecast period

The anhydrous sodium bisulfite segment is expected to account for the largest market share during the forecast period. It is widely used in industries such as water treatment, food preservation, and pharmaceuticals, where its anhydrous form offers better stability and longer shelf life. Its versatility, especially in dechlorination processes and as a preservative, is driving demand. As industries prioritize efficiency and product quality, the use of anhydrous sodium bisulfite continues to expand, supporting market growth.

The bleaching segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the bleaching segment is predicted to witness the highest growth rate. It is commonly used as a reducing agent in the bleaching of textiles, paper, and other materials, helping to remove stains and discolorations. In the food industry, Sodium Bisulfite is also used for bleaching certain products like dried fruits and vegetables. Its ability to act as a mild and effective bleaching agent while maintaining product quality is fueling its growing use in various industrial processes.

#### Region with largest share:

During the forecast period, the North America region is expected to hold the largest market share. Increasing demand for effective dechlorination methods in municipal and industrial water treatment systems is a key factor. Additionally, its use in the food

industry as a preservative and bleaching agent is expanding. With a growing focus on environmental sustainability and regulatory pressures, the region is seeing continued adoption of the market across diverse sectors.

Region with highest CAGR:

Over the forecast period, the Asia Pacific region is anticipated to exhibit the highest CAGR. Growing environmental concerns and regulations in countries like Japan, South Korea, and India have increased the demand for chemicals like Sodium Bisulfite that are used in pollution control and water treatment. Additionally, the rapid industrialization in countries like China, India, Japan, and Southeast Asian nations has contributed to the growth of industries such as textiles, food processing, and chemicals, driving the demand for the market.

Key players in the market

Some of the key players in Sodium Bisulfite market include BASF SE, Solvay S.A., Mitsubishi Corporation RtM Japan Ltd., Aditya Birla Chemicals, The Dow Chemical Company, Triveni Interchem Pvt. Ltd., Kemira Oyj, Jinhe Industrial Co., Ltd., Nippon Chemical Industrial Co., Ltd., JSC Kaustik, Merck KGaA, AkzoNobel N.V., Yunnan Tin Company Limited, Qingdao Hisea Chem Co., Ltd. and LANXESS AG.

Key Developments:

In December 2023, Solvay has partnered with ENOWA, NEOM's energy and water company, to establish the world's first carbon-neutral soda ash production facility in NEOM, Saudi Arabia. Pending the results of an in-depth feasibility study and customary regulatory approvals, Solvay and ENOWA plan to begin operation of the groundbreaking plant by 2030.

In October 2023, LANXESS expanded its range for PFAS removal from water. With the new macroporous anion exchange resin Lewatit MonoPlus TP 109, the specialty chemicals company LANXESS is expanding its range of selective resins for the efficient removal of contaminants such as perfluorinated and polyfluoroalkyl substances (PFAS) from water.

Types Covered:

**Anhydrous Sodium Bisulfite**

Sodium Bisulfite Solution

Sodium Bisulfite Powder

Other Types

Forms Covered:

Solid

Liquid

Tablet

Distribution Channels Covered:

Direct Sales

Distributors & Retailers

Online Sales

Applications Covered:

Wines and Beverages

Canning

Dyeing

Bleaching

Injectable Drugs

Developing Agents

## Other Applications

### End Users Covered:

Water Treatment

Food and Beverage

Pulp and Paper

Chemical

Textile

Other End Users

### Regions Covered:

North America

US

Canada

Mexico

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

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

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

## Contents

### **1 EXECUTIVE SUMMARY**

### **2 PREFACE**

- 2.1 Abstract
- 2.2 Stake Holders
- 2.3 Research Scope
- 2.4 Research Methodology
  - 2.4.1 Data Mining
  - 2.4.2 Data Analysis
  - 2.4.3 Data Validation
  - 2.4.4 Research Approach
- 2.5 Research Sources
  - 2.5.1 Primary Research Sources
  - 2.5.2 Secondary Research Sources
  - 2.5.3 Assumptions

### **3 MARKET TREND ANALYSIS**

- 3.1 Introduction
- 3.2 Drivers
- 3.3 Restraints
- 3.4 Opportunities
- 3.5 Threats
- 3.6 Application Analysis
- 3.7 End User Analysis
- 3.8 Emerging Markets
- 3.9 Impact of Covid-19

### **4 PORTERS FIVE FORCE ANALYSIS**

- 4.1 Bargaining power of suppliers
- 4.2 Bargaining power of buyers
- 4.3 Threat of substitutes
- 4.4 Threat of new entrants
- 4.5 Competitive rivalry

## **5 GLOBAL SODIUM BISULFITE MARKET, BY TYPE**

- 5.1 Introduction
- 5.2 Anhydrous Sodium Bisulfite
- 5.3 Sodium Bisulfite Solution
- 5.4 Sodium Bisulfite Powder
- 5.5 Other Types

## **6 GLOBAL SODIUM BISULFITE MARKET, BY FORM**

- 6.1 Introduction
- 6.2 Solid
- 6.3 Liquid
- 6.4 Tablet

## **7 GLOBAL SODIUM BISULFITE MARKET, BY DISTRIBUTION CHANNEL**

- 7.1 Introduction
- 7.2 Direct Sales
- 7.3 Distributors & Retailers
- 7.4 Online Sales

## **8 GLOBAL SODIUM BISULFITE MARKET, BY APPLICATION**

- 8.1 Introduction
- 8.2 Wines and Beverages
- 8.3 Canning
- 8.4 Dyeing
- 8.5 Bleaching
- 8.6 Injectable Drugs
- 8.7 Developing Agents
- 8.8 Other Applications

## **9 GLOBAL SODIUM BISULFITE MARKET, BY END USER**

- 9.1 Introduction
- 9.2 Water Treatment
- 9.3 Food and Beverage
- 9.4 Pulp and Paper

- 9.5 Chemical
- 9.6 Textile
- 9.7 Other End Users

## **10 GLOBAL SODIUM BISULFITE MARKET, BY GEOGRAPHY**

- 10.1 Introduction
- 10.2 North America
  - 10.2.1 US
  - 10.2.2 Canada
  - 10.2.3 Mexico
- 10.3 Europe
  - 10.3.1 Germany
  - 10.3.2 UK
  - 10.3.3 Italy
  - 10.3.4 France
  - 10.3.5 Spain
  - 10.3.6 Rest of Europe
- 10.4 Asia Pacific
  - 10.4.1 Japan
  - 10.4.2 China
  - 10.4.3 India
  - 10.4.4 Australia
  - 10.4.5 New Zealand
  - 10.4.6 South Korea
  - 10.4.7 Rest of Asia Pacific
- 10.5 South America
  - 10.5.1 Argentina
  - 10.5.2 Brazil
  - 10.5.3 Chile
  - 10.5.4 Rest of South America
- 10.6 Middle East & Africa
  - 10.6.1 Saudi Arabia
  - 10.6.2 UAE
  - 10.6.3 Qatar
  - 10.6.4 South Africa
  - 10.6.5 Rest of Middle East & Africa

## **11 KEY DEVELOPMENTS**

- 11.1 Agreements, Partnerships, Collaborations and Joint Ventures
- 11.2 Acquisitions & Mergers
- 11.3 New Product Launch
- 11.4 Expansions
- 11.5 Other Key Strategies

## **12 COMPANY PROFILING**

- 12.1 BASF SE
- 12.2 Solvay S.A.
- 12.3 Mitsubishi Corporation RtM Japan Ltd.
- 12.4 Aditya Birla Chemicals
- 12.5 The Dow Chemical Company
- 12.6 Triveni Interchem Pvt. Ltd.
- 12.7 Kemira Oyj
- 12.8 Jinhe Industrial Co., Ltd.
- 12.9 Nippon Chemical Industrial Co., Ltd.
- 12.10 JSC Kaustik
- 12.12 Merck KGaA
- 12.12 AkzoNobel N.V.
- 12.13 Yunnan Tin Company Limited
- 12.14 Qingdao Hisea Chem Co., Ltd.
- 12.15 LANXESS AG

## List Of Tables

### LIST OF TABLES

- 1 Global Sodium Bisulfite Market Outlook, By Region (2022-2030) (\$MN)
- 2 Global Sodium Bisulfite Market Outlook, By Type (2022-2030) (\$MN)
- 3 Global Sodium Bisulfite Market Outlook, By Anhydrous Sodium Bisulfite (2022-2030) (\$MN)
- 4 Global Sodium Bisulfite Market Outlook, By Sodium Bisulfite Solution (2022-2030) (\$MN)
- 5 Global Sodium Bisulfite Market Outlook, By Sodium Bisulfite Powder (2022-2030) (\$MN)
- 6 Global Sodium Bisulfite Market Outlook, By Other Types (2022-2030) (\$MN)
- 7 Global Sodium Bisulfite Market Outlook, By Form (2022-2030) (\$MN)
- 8 Global Sodium Bisulfite Market Outlook, By Solid (2022-2030) (\$MN)
- 9 Global Sodium Bisulfite Market Outlook, By Liquid (2022-2030) (\$MN)
- 10 Global Sodium Bisulfite Market Outlook, By Tablet (2022-2030) (\$MN)
- 11 Global Sodium Bisulfite Market Outlook, By Distribution Channel (2022-2030) (\$MN)
- 12 Global Sodium Bisulfite Market Outlook, By Direct Sales (2022-2030) (\$MN)
- 13 Global Sodium Bisulfite Market Outlook, By Distributors & Retailers (2022-2030) (\$MN)
- 14 Global Sodium Bisulfite Market Outlook, By Online Sales (2022-2030) (\$MN)
- 15 Global Sodium Bisulfite Market Outlook, By Application (2022-2030) (\$MN)
- 16 Global Sodium Bisulfite Market Outlook, By Wines and Beverages (2022-2030) (\$MN)
- 17 Global Sodium Bisulfite Market Outlook, By Canning (2022-2030) (\$MN)
- 18 Global Sodium Bisulfite Market Outlook, By Dyeing (2022-2030) (\$MN)
- 19 Global Sodium Bisulfite Market Outlook, By Bleaching (2022-2030) (\$MN)
- 20 Global Sodium Bisulfite Market Outlook, By Injectable Drugs (2022-2030) (\$MN)
- 21 Global Sodium Bisulfite Market Outlook, By Developing Agents (2022-2030) (\$MN)
- 22 Global Sodium Bisulfite Market Outlook, By Other Applications (2022-2030) (\$MN)
- 23 Global Sodium Bisulfite Market Outlook, By End User (2022-2030) (\$MN)
- 24 Global Sodium Bisulfite Market Outlook, By Water Treatment (2022-2030) (\$MN)
- 25 Global Sodium Bisulfite Market Outlook, By Food and Beverage (2022-2030) (\$MN)
- 26 Global Sodium Bisulfite Market Outlook, By Pulp and Paper (2022-2030) (\$MN)
- 27 Global Sodium Bisulfite Market Outlook, By Chemical (2022-2030) (\$MN)
- 28 Global Sodium Bisulfite Market Outlook, By Textile (2022-2030) (\$MN)
- 29 Global Sodium Bisulfite Market Outlook, By Other End Users (2022-2030) (\$MN)

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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