

Sodium Chloride Market Forecasts to 2032 – Global Analysis By Source (Rock Salt, Solar Salt, Vacuum Salt, Seawater and Brine), Form, Grade, Manufacturing Process, Application, End User and By Geography

<https://marketpublishers.com/r/SB669F0B5804EN.html>

Date: May 2025

Pages: 150

Price: US\$ 4,150.00 (Single User License)

ID: SB669F0B5804EN

Abstracts

According to Statistics MRC, the Global Sodium Chloride Market is accounted for \$241.6 million in 2025 and is expected to reach \$387.9 million by 2032 growing at a CAGR of 7% during the forecast period. Sodium chloride, commonly known as table salt, is a chemical compound composed of sodium and chloride ions. It plays a vital role in various biological functions, including fluid balance, nerve signaling, and muscle contraction. Found naturally in seawater and mineral deposits, it is widely used in food preservation, seasoning, and industrial applications. Beyond culinary uses, sodium chloride is essential in medical treatments, water purification, and chemical production. Its versatility makes it a fundamental substance in both daily life and scientific processes. Advances in sustainable extraction and processing methods continue to support its widespread availability and environmental responsibility.

According to the US Census Bureau, the value of construction in 2023 was USD 1,978.7 billion, 7% above the USD 1,848.7 billion spent in 2022. It, in turn, enhanced the demand for PVC products and polyurethane-based construction industry materials, such as rigid foam insulation panels.

Market Dynamics:

Driver:

Growing demand in water treatment & use in de-icing

Water purification processes rely on sodium chloride for ion exchange systems, improving water quality and safety. Additionally, its widespread use as a de-icing agent for roads and highways during winter months enhances public safety by preventing ice accumulation. As urbanization expands, municipalities and industries are investing in efficient water treatment solutions, further increasing sodium chloride consumption. The growing need for effective snow and ice management strategies continues to support its large-scale application in transportation infrastructure.

Restraint:

Health concerns & regulatory challenges

Excessive intake of salt has been linked to health risks such as hypertension and cardiovascular diseases, leading to increased scrutiny from health organizations. Governments worldwide are implementing stricter regulations on sodium levels in food products to promote healthier dietary habits. Additionally, environmental concerns regarding salt runoff from de-icing applications are prompting research into alternative solutions.

Opportunity:

Advancements in food preservation

As demand for longer shelf-life and improved food safety grows, sodium chloride is being incorporated into innovative preservation methods. Its antimicrobial properties help prevent bacterial growth in processed and packaged foods, ensuring product integrity. The expansion of the processed food sector and increasing consumer preference for convenient meal options are driving the need for effective preservation solutions.

Threat:

Competition from synthetic alternatives

The development of low-sodium substitutes and artificial de-icing compounds is gaining traction as industries seek environmentally friendly solutions. With rising concerns over excessive salt usage in food and infrastructure applications, alternative products with reduced environmental impact are being introduced. As regulatory pressures continue to shape industry standards, sodium chloride producers must adapt to evolving

consumer preferences and sustainability initiatives.

Covid-19 Impact:

The COVID-19 pandemic influenced sodium chloride market trends by altering demand patterns across various sectors. While disruptions in industrial supply chains impacted production and distribution, increased focus on hygiene and sanitation bolstered its usage in water treatment and disinfectant formulations. The de-icing industry witnessed fluctuations due to changes in transportation activity, particularly during lockdown periods. However, the food industry saw stable demand for sodium chloride in preservation and seasoning applications, as consumers stocked up on essential supplies.

The rock salt segment is expected to be the largest during the forecast period

The rock salt segment is expected to account for the largest market share during the forecast period owing to its extensive use in de-icing operations and industrial applications. Rock salt is a cost-effective and efficient solution for ice control on roads and highways, ensuring safe transportation during winter conditions. Its accessibility and widespread availability contribute to its dominance in the market, supporting infrastructure maintenance initiatives.

The industrial grade salt segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the industrial grade salt segment is predicted to witness the highest growth rate due to increasing demand from chemical processing, water treatment, and manufacturing industries is driving adoption. Industrial-grade salt is utilized in various applications, including textile processing, detergent production, and metal refining, enhancing its market potential. As industries expand and develop advanced chemical processes, the demand for high-purity sodium chloride is expected to grow significantly.

Region with largest share:

During the forecast period, the Asia Pacific region is expected to hold the largest market share supported by rapid industrialization and population growth. Countries such as China and India are leading consumers of sodium chloride, particularly in food processing, water purification, and de-icing applications. Government initiatives

promoting improved sanitation and water treatment infrastructure are further driving market expansion. Additionally, the rise in packaged food consumption is sustaining strong demand across the region.

Region with highest CAGR:

Over the forecast period, the North America region is anticipated to exhibit the highest CAGR driven by increasing environmental concerns and advancements in industrial applications. The region's emphasis on sustainable de-icing solutions and water treatment innovations is influencing sodium chloride adoption. Regulatory frameworks supporting reduced salt usage in food and infrastructure applications are shaping market dynamics, encouraging research into alternative formulations.

Key players in the market

Some of the key players in Sodium Chloride Market include Cargill Incorporated, Compass Minerals, Dominion Salt, Dow, ICL Fertilizers, INEOS, Jinlechem, K+S Aktiengesellschaft, Kishida Chemical Co., Ltd., Maldon Crystal Salt Company Ltd, Nouryon, Rio Tinto, Sudwestdeutsche Salzwerke AG, Swiss Salt Works AG, Tata Chemicals Limited, and Wacker Chemie AG.

Key Developments:

In March 2025, Compass Minerals announced cost structure reductions, including eliminating over 10% of corporate workforce positions and shuttering its fire retardant business. These actions aim to align the company's operations with current business needs and improve financial performance.

In February 2025, Wacker Chemie AG announced the expansion of its production capacity for sodium chloride-based products in Europe to meet growing demand. The investment underscores the company's strategy to strengthen its position in the global market.

In January 2025, INEOS announced the successful startup of its new hydrogen peroxide plant in the United States, enhancing its capabilities in producing essential chemicals for various industries.

Sources Covered:

Rock Salt

Solar Salt

Vacuum Salt

Seawater

Brine

Forms Covered:

Crystals

Granules

Powder

Liquid

Grades Covered:

Industrial Grade Salt

Food Grade Salt

Medical/Pharmaceutical Grade Salt

Deicing Grade Salt

Agriculture Grade Salt

Manufacturing Processes Covered:

Artificial Evaporation

Solar Evaporation

Applications Covered:

Chemical Production

Deicing

Water Treatment

Flavoring Agent / Food Preservative

Textile Dyeing

Animal Feed Additive

Other Applications

End Users Covered:

Chemical Industry

Food & Beverage

Pharmaceuticals

Oil & Gas

Agriculture & Livestock

Road Maintenance

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 2024, 2025, 2026, 2028, and 2032
- 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 CHLORIDE MARKET, BY SOURCE

- 5.1 Introduction
- 5.2 Rock Salt
- 5.3 Solar Salt
- 5.4 Vacuum Salt
- 5.5 Seawater
- 5.6 Brine

6 GLOBAL SODIUM CHLORIDE MARKET, BY FORM

- 6.1 Introduction
- 6.2 Crystals
- 6.3 Granules
- 6.4 Powder
- 6.5 Liquid

7 GLOBAL SODIUM CHLORIDE MARKET, BY GRADE

- 7.1 Introduction
- 7.2 Industrial Grade Salt
- 7.3 Food Grade Salt
- 7.4 Medical/Pharmaceutical Grade Salt
- 7.5 Deicing Grade Salt
- 7.6 Agriculture Grade Salt

8 GLOBAL SODIUM CHLORIDE MARKET, BY MANUFACTURING PROCESS

- 8.1 Introduction
- 8.2 Artificial Evaporation
- 8.3 Solar Evaporation

9 GLOBAL SODIUM CHLORIDE MARKET, BY APPLICATION

- 9.1 Introduction
- 9.2 Chemical Production
- 9.3 Deicing
- 9.4 Water Treatment
- 9.5 Flavoring Agent / Food Preservative

- 9.6 Textile Dyeing
- 9.7 Animal Feed Additive
- 9.8 Other Applications

10 GLOBAL SODIUM CHLORIDE MARKET, BY END USER

- 10.1 Introduction
- 10.2 Chemical Industry
- 10.3 Food & Beverage
- 10.4 Pharmaceuticals
- 10.5 Oil & Gas
- 10.6 Agriculture & Livestock
- 10.7 Road Maintenance
- 10.8 Other End Users

11 GLOBAL SODIUM CHLORIDE MARKET, BY GEOGRAPHY

- 11.1 Introduction
- 11.2 North America
 - 11.2.1 US
 - 11.2.2 Canada
 - 11.2.3 Mexico
- 11.3 Europe
 - 11.3.1 Germany
 - 11.3.2 UK
 - 11.3.3 Italy
 - 11.3.4 France
 - 11.3.5 Spain
 - 11.3.6 Rest of Europe
- 11.4 Asia Pacific
 - 11.4.1 Japan
 - 11.4.2 China
 - 11.4.3 India
 - 11.4.4 Australia
 - 11.4.5 New Zealand
 - 11.4.6 South Korea
 - 11.4.7 Rest of Asia Pacific
- 11.5 South America
 - 11.5.1 Argentina

- 11.5.2 Brazil
- 11.5.3 Chile
- 11.5.4 Rest of South America
- 11.6 Middle East & Africa
 - 11.6.1 Saudi Arabia
 - 11.6.2 UAE
 - 11.6.3 Qatar
 - 11.6.4 South Africa
 - 11.6.5 Rest of Middle East & Africa

12 KEY DEVELOPMENTS

- 12.1 Agreements, Partnerships, Collaborations and Joint Ventures
- 12.2 Acquisitions & Mergers
- 12.3 New Product Launch
- 12.4 Expansions
- 12.5 Other Key Strategies

13 COMPANY PROFILING

- 13.1 Cargill Incorporated
- 13.2 Compass Minerals
- 13.3 Dominion salt
- 13.4 Dow
- 13.5 ICL fertilizers
- 13.6 INEOS
- 13.7 Jinleichem
- 13.8 K+S Aktiengesellschaft
- 13.9 Kishida Chemical Co., Ltd.
- 13.10 Maldon Crystal Salt Company Ltd
- 13.11 Nouryon
- 13.12 Rio Tinto
- 13.13 Sudwestdeutsche Salzwerke AG
- 13.14 Swiss Salt Works AG
- 13.15 Tata Chemicals Limited
- 13.16 Wacker Chemie AG

List Of Tables

LIST OF TABLES

- 1 Global Sodium Chloride Market Outlook, By Region (2024-2032) (\$MN)
- 2 Global Sodium Chloride Market Outlook, By Source (2024-2032) (\$MN)
- 3 Global Sodium Chloride Market Outlook, By Rock Salt (2024-2032) (\$MN)
- 4 Global Sodium Chloride Market Outlook, By Solar Salt (2024-2032) (\$MN)
- 5 Global Sodium Chloride Market Outlook, By Vacuum Salt (2024-2032) (\$MN)
- 6 Global Sodium Chloride Market Outlook, By Seawater (2024-2032) (\$MN)
- 7 Global Sodium Chloride Market Outlook, By Brine (2024-2032) (\$MN)
- 8 Global Sodium Chloride Market Outlook, By Form (2024-2032) (\$MN)
- 9 Global Sodium Chloride Market Outlook, By Crystals (2024-2032) (\$MN)
- 10 Global Sodium Chloride Market Outlook, By Granules (2024-2032) (\$MN)
- 11 Global Sodium Chloride Market Outlook, By Powder (2024-2032) (\$MN)
- 12 Global Sodium Chloride Market Outlook, By Liquid (2024-2032) (\$MN)
- 13 Global Sodium Chloride Market Outlook, By Grade (2024-2032) (\$MN)
- 14 Global Sodium Chloride Market Outlook, By Industrial Grade Salt (2024-2032) (\$MN)
- 15 Global Sodium Chloride Market Outlook, By Food Grade Salt (2024-2032) (\$MN)
- 16 Global Sodium Chloride Market Outlook, By Medical/Pharmaceutical Grade Salt (2024-2032) (\$MN)
- 17 Global Sodium Chloride Market Outlook, By Deicing Grade Salt (2024-2032) (\$MN)
- 18 Global Sodium Chloride Market Outlook, By Agriculture Grade Salt (2024-2032) (\$MN)
- 19 Global Sodium Chloride Market Outlook, By Manufacturing Process (2024-2032) (\$MN)
- 20 Global Sodium Chloride Market Outlook, By Artificial Evaporation (2024-2032) (\$MN)
- 21 Global Sodium Chloride Market Outlook, By Solar Evaporation (2024-2032) (\$MN)
- 22 Global Sodium Chloride Market Outlook, By Application (2024-2032) (\$MN)
- 23 Global Sodium Chloride Market Outlook, By Chemical Production (2024-2032) (\$MN)
- 24 Global Sodium Chloride Market Outlook, By Deicing (2024-2032) (\$MN)
- 25 Global Sodium Chloride Market Outlook, By Water Treatment (2024-2032) (\$MN)
- 26 Global Sodium Chloride Market Outlook, By Flavoring Agent / Food Preservative (2024-2032) (\$MN)
- 27 Global Sodium Chloride Market Outlook, By Textile Dyeing (2024-2032) (\$MN)
- 28 Global Sodium Chloride Market Outlook, By Animal Feed Additive (2024-2032) (\$MN)
- 29 Global Sodium Chloride Market Outlook, By Other Applications (2024-2032) (\$MN)

- 30 Global Sodium Chloride Market Outlook, By End User (2024-2032) (\$MN)
- 31 Global Sodium Chloride Market Outlook, By Chemical Industry (2024-2032) (\$MN)
- 32 Global Sodium Chloride Market Outlook, By Food & Beverage (2024-2032) (\$MN)
- 33 Global Sodium Chloride Market Outlook, By Pharmaceuticals (2024-2032) (\$MN)
- 34 Global Sodium Chloride Market Outlook, By Oil & Gas (2024-2032) (\$MN)
- 35 Global Sodium Chloride Market Outlook, By Agriculture & Livestock (2024-2032) (\$MN)
- 36 Global Sodium Chloride Market Outlook, By Road Maintenance (2024-2032) (\$MN)
- 37 Global Sodium Chloride Market Outlook, By Other End Users (2024-2032) (\$MN)

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

I would like to order

Product name: Sodium Chloride Market Forecasts to 2032 – Global Analysis By Source (Rock Salt, Solar Salt, Vacuum Salt, Seawater and Brine), Form, Grade, Manufacturing Process, Application, End User and By Geography

Product link: <https://marketpublishers.com/r/SB669F0B5804EN.html>

Price: US\$ 4,150.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/SB669F0B5804EN.html>