

Sodium Chlorate Market Report by Form (Crystalline, Solution), Application (Pulp and Bleaching Industry, Chlorates of Other Metals, Leather Tanning, Dyes, and Others), and Region 2024-2032

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Abstracts

The global sodium chlorate market size reached US\$ 3.3 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 5.1 Billion by 2032, exhibiting a growth rate (CAGR) of 4.7% during 2024-2032.

Sodium chlorate (NaClO_3) is an inorganic chemical compound manufactured by the electrolysis of brine (NaCl). A powerful oxidizing agent, sodium chlorate is an odorless, pale-yellow crystalline solid and readily dissolves in water. It is inflammable in nature in pure form and acts as an extreme combustion accelerant in the presence of flammable materials during decomposition. Currently, sodium chlorate is widely used in the preparation of chlorine dioxide which is employed as a bleaching agent in the manufacturing of bleached pulp.

Global Sodium Chlorate Market Drivers:

The paper and pulp industry is one of the largest markets for sodium chlorate where it is used for on-site generation of chlorine dioxide. It is the key bleaching agent for elemental chlorine free (ECF) chemical pulping process and is extensively used in emerging markets like India and China.

On account of its oxidizing properties, sodium chlorate is increasingly being used for several applications such as tanning and finishing leather, and manufacturing of dyes. The mounting demand for sodium chlorate in these industries is expected to bolster the growth of the market in the upcoming years.

As sodium chlorate is phytotoxic to all green plants, it is now being utilized as a non-selective herbicide to control the growth of a variety of plants including morning glory,

creeping thistle, johnsongrass, bamboo, Ragwort, and St John's wort. It is mainly used for vegetation control on roadsides, fenceways, etc. and on non-crop land for spot treatment.

Sodium chloride and water are the two major feedstocks required for the manufacturing of sodium chlorate. These raw materials are low in cost and abundant in nature, due to which sodium chlorate is affordable. This, coupled with ease of storage, makes it ideal for a variety of applications.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global sodium chlorate market report, along with forecasts at the global and country level from 2024-2032. Our report has categorized the market based on form and application.

Breakup by Form:

Crystalline
Solution

On the basis of form, the sodium chlorate market is bifurcated as crystalline and solution. Amongst these, crystalline sodium chlorate accounts for the majority of the market share as it is employed in a range of industries like bleach and explosives.

Breakup by Application:

Pulp and Bleaching Industry
Chlorates of Other Metals
Leather Tanning
Dyes
Others

Based on application, the pulp and bleaching industry represents the largest segment of the sodium chlorate market, owing to its growing demand in the textile industry. Other application segments include chlorates of other metals, leather tanning, dyes and others.

Regional Insights:

Canada
United States
China

Finland
Brazil
Others

On a geographical front, Canada enjoys the leading position in the global sodium chlorate market as the country has the largest pulp and paper industry which is a mainstay of the country's economy. Some of the other major regions include the United States, China, Finland and Brazil.

Competitive Landscape:

The market is fragmented in nature with the presence of a large number of international and regional manufacturers who compete in terms of prices and quality. The major players are trying to increase their presence in new markets by creating alliances or acquiring regional or other small players. Some of the leading players operating in the market are:

Eka Chemicals
Erco Worldwide
Canexus
Kemira Oyj
China First Chemical Holdings Limited

The report provides a comprehensive insight into the global sodium chlorate market including its market breakup by region, market breakup by end-use, SWOT analysis, Porter's five forces analysis, value chain analysis, import and export trends, key players and market outlook. The report also gives an in-sight into the manufacturing process of sodium chlorate covering key success and risk factors for manufacturers, detailed process flow, the chemical reactions involved, raw materials requirements, etc. This report is a must-read for entrepreneurs, investors, researchers, consultants, business strategists, and all those who have any kind of stake or are planning to foray into the sodium chlorate industry in any manner.

Key Questions Answered in This Report

1. What was the global sodium chlorate market size in 2023?
2. What will be the global sodium chlorate market outlook during the forecast period 2024-2032?
3. What are the major trends in the global sodium chlorate market?
4. What is the impact of COVID-19 on the global sodium chlorate market?

5. What are the global sodium chlorate market drivers?
6. What is the global sodium chlorate market breakup by form?
7. What is the global sodium chlorate market breakup by application?
8. What are the major regions in the global sodium chlorate market?

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