

Caustic Soda Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

The global caustic soda market size reached 80.6 Million Tons in 2022. Looking forward, IMARC Group expects the market to reach 89.7 Million Tons by 2028, exhibiting a growth rate (CAGR) of 1.7% during 2023-2028.

Caustic soda, also known as sodium hydroxide (NaOH), is a white-colored solid ionic compound comprising hydroxide anions OH⁻ and sodium cations Na⁺. It is strongly alkaline and chemically obtained by electrolyzing sodium chloride (NaCl). It is highly soluble in water, moderately soluble in alcohol, and insoluble in ether and non-polar solvents. It is used in formulating various chemical products due to its corrosive and reactive nature. Besides this, NaOH is used in preparing soda lime, cleaning and disinfectant products, and in the extraction of aluminum by purifying bauxite. As a result, it finds extensive applications in various industries like textiles, paper, chemical, and automotive.

Caustic Soda Market Trends:

Rapid industrialization and the expansion of the chemical industry represent the key factors positively influencing the market. In addition, the increasing consumption and scarcity of freshwater and strict regulations to control contamination in seas, lakes, ponds, rivers, and oceans are strengthening the market growth. This can also be accredited to the growing utilization of caustic soda as a water treatment chemical that helps increase the pH level of water by absorbing carbon dioxide (CO₂) and water. Apart from this, the rising utilization of aluminum across various industries, such as automotive, construction, and packaging, is catalyzing the demand for NaOH worldwide. Furthermore, the introduction of advanced technologies in the manufacturing processes of NaOH, along with extensive investments in research and development (R&D) activities, is expected to propel the market growth.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global caustic soda market report, along with forecasts at the global and regional level from 2023-2028. Our report has categorized the market based on product type, manufacturing process, grade, and application.

Breakup by Product Type:

Lye
Flake
Others

Lye holds the majority of the market share due to its widespread adoption in the manufacturing of automobiles, construction materials, and consumer goods, such as soda cans and food packaging.

Breakup by Manufacturing Process:

Membrane Cell
Diaphragm Cell
Others

The membrane cell process represents the largest market segment as it supports environmental health and requires relatively simple and non-harmful materials.

Breakup by Grade:

Reagent Grade
Industrial Grade
Pharmaceutical Grade
Others

The industrial-grade caustic soda currently dominates the market due to the escalating demand for NaOH across different industry verticals worldwide.

Breakup by Application:

Alumina

Inorganic Chemicals
Organic Chemicals
Food, Pulp and Paper
Soap and Detergents
Textiles
Water Treatment
Steel/Metallurgy-Sintering
Others

Alumina accounts for the majority of the market share as it is extensively used in the automotive industry to reduce vehicular weight and harmful emissions, boost the performance, and fuel economy of automobiles.

Breakup by Region:

Asia Pacific
North America
Europe
Middle East and Africa
Latin America

The Asia Pacific exhibits a clear dominance in the market due to the increasing utilization of caustic soda in the region.

Competitive Landscape:

The report has also analysed the competitive landscape of the market with some of the key players being Dow Chemical Company, Olin Corporation, Tata Chemicals Limited, Solvay SA, FMC Corporation, Occidental Petroleum Corporation (OXY), Formosa Plastics Corporation, Ineos Group Limited, PPG Industries, Xinjiang Zhongtai Chemical Co. Ltd., Tosoh Corporation, Hanwha Chemical Corporation, Nirma Limited, Akzo Nobel, BASF, Covestro, etc.

Key Questions Answered in This Report

1. What is the market volume for the global caustic soda market?
2. What is the global caustic soda market growth?
3. What are the global caustic soda market drivers?
4. What are the key industry trends in the global caustic soda market?
5. What is the impact of COVID-19 on the global caustic soda market?
6. What is the global caustic soda market breakup by product type?

7. What is the global caustic soda market breakup by manufacturing process?
8. What is the global caustic soda market breakup by application?
9. What are the major regions in the global caustic soda market?
10. Who are the key companies/players in the global caustic soda market?

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