

Global Chlorine Market Size Study & Forecast, by Application (EDC/PVC, Organic Chemicals, Inorganic Chemicals, Isocyanates, Chlorinated Intermediates, Others) and Regional Forecasts 2025–2035

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Abstracts

The Global Chlorine Market is presently valued at approximately USD 37.86 billion in 2024 and is poised to expand steadily at a compound annual growth rate (CAGR) of 5.90% during the forecast period from 2025 to 2035. Chlorine, a foundational building block in industrial chemistry, serves as a critical enabler in the manufacturing of thousands of end products—from polyvinyl chloride (PVC) and disinfectants to agrochemicals and pharmaceuticals. As industries continue to scale up demand for versatile chemical intermediates, chlorine has increasingly found itself at the heart of transformations across construction, water treatment, and electronics sectors. Its intrinsic reactivity and utility in synthesizing both organic and inorganic chemicals fortify its relevance across upstream and downstream industrial chains.

The uptick in urbanization, coupled with the rising consumption of plastics and processed chemicals, has intensified the demand for chlorine derivatives such as EDC/PVC, isocyanates, and chlorinated intermediates. With infrastructure development booming in both developed and emerging economies, PVC's application in pipes, window profiles, and flooring has surged—bringing chlorine demand along with it. Moreover, chlorine's widespread usage in municipal water sanitation and industrial effluent treatment continues to grow in lockstep with global public health standards. At the same time, advances in chlor-alkali technology and integrated plant automation are enhancing the operational efficiencies of chlorine production, which in turn is reducing cost barriers and boosting its accessibility across geographies.

Regionally, North America stands as a dominant player in the global chlorine market,

driven by an expansive chemical manufacturing base, a mature construction sector, and a growing need for clean water infrastructure. The U.S., in particular, benefits from strong supply chain networks and high PVC consumption across residential and commercial construction. Meanwhile, the Asia Pacific region is witnessing the fastest growth, underpinned by rapid industrialization in countries such as China, India, and Indonesia. These economies are investing heavily in infrastructure, packaging, and electronics—industries where chlorine-based compounds are indispensable. Europe continues to innovate in sustainable chlorine production methods, aligning with its stringent environmental policies, while Latin America and the Middle East & Africa are seeing a surge in chlorine demand due to increased investment in water treatment and construction.

Major market players included in this report are:

BASF SE

Dow Inc.

SABIC

Olin Corporation

Occidental Petroleum Corporation

Tata Chemicals Ltd.

INEOS Group Ltd.

Westlake Corporation

Nouryon

AGC Inc.

PPG Industries, Inc.

Ercros S.A.

Tosoh Corporation

Hanwha Solutions Corporation

Xinjiang Zhongtai Chemical Co., Ltd.

Global Chlorine Market Report Scope:

Historical Data – 2023, 2024

Base Year for Estimation – 2024

Forecast Period – 2025-2035

Report Coverage – Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Regional Scope – North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope – Free report customization (equivalent up to 8 analysts' working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values for the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within the countries involved in the study. The report also provides detailed information about crucial aspects, such as driving factors and challenges, which will define the future growth of the market. Additionally, it incorporates potential opportunities in micro-markets for stakeholders to invest, along with a detailed analysis of the competitive landscape and product offerings of key players.

The detailed segments and sub-segments of the market are explained below:

By Application:

EDC/PVC

Organic Chemicals

Inorganic Chemicals

Isocyanates

Chlorinated Intermediates

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

Rest of Europe

Asia Pacific

China

India

Japan

Australia

South Korea

Rest of Asia Pacific

Latin America

Brazil

Mexico

Middle East & Africa

UAE

Saudi Arabia

South Africa

Rest of Middle East & Africa

Key Takeaways:

Market Estimates & Forecast for 10 years from 2025 to 2035.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

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