

# Global Chlorine Dioxide Market Size Study & Forecast, by Form, Application, End-Use Industry, and Regional Forecasts 2025-2035

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## Abstracts

The Global Chlorine Dioxide Market is valued at approximately USD 1.26 billion in 2024 and is expected to expand at a healthy CAGR of more than 5.20% during the forecast period 2025-2035. Chlorine Dioxide, a powerful oxidizing agent, is widely employed for its remarkable disinfection and bleaching capabilities across various industries, particularly in water treatment, pulp & paper, and food processing. Known for its efficacy at low concentrations and minimal harmful byproducts, it has increasingly emerged as a preferred substitute over traditional chlorine-based disinfectants. The growing awareness of sustainable and eco-efficient water treatment practices, especially in municipal and industrial water treatment applications, has been a critical driver catapulting the demand for chlorine dioxide across the globe.

The swelling demand for clean, potable water amid rapid urbanization, industrial growth, and environmental degradation has pushed both governments and industries to adopt more robust sanitation and disinfection practices. Chlorine dioxide has stepped into the spotlight for its superior efficacy in treating waterborne pathogens without forming carcinogenic trihalomethanes (THMs). For instance, its application in municipal water treatment systems has grown exponentially in developing nations where aging infrastructure and rising population density demand innovative water purification technologies. Meanwhile, industries such as food & beverage and pharmaceuticals are steadily integrating chlorine dioxide into their processing and sanitation workflows, driven by stringent hygiene mandates and growing consumer health consciousness.

Regionally, North America held a commanding position in the chlorine dioxide market in 2024, buoyed by its advanced water infrastructure, high environmental standards, and established presence of key market players. The United States, in particular, has

witnessed a surge in municipal and industrial adoption of chlorine dioxide owing to increasing federal regulations on water quality and public health. Europe follows suit, driven by rigorous environmental compliance norms and a growing push towards greener alternatives in chemical usage. However, the Asia Pacific region is poised to emerge as the fastest-growing market during the forecast period. Countries like China and India are experiencing skyrocketing demand, fueled by rapid industrial expansion, increasing urbanization, and evolving public health infrastructure. Additionally, government-led initiatives focusing on sustainable resource management and clean water accessibility are expected to bolster chlorine dioxide deployment across the region.

Major market player included in this report are:

BASF SE

Ecolab Inc.

Evoqua Water Technologies LLC

Accepta Ltd.

ProMinent GmbH

Grundfos Holding A/S

Sabre Energy Services LLC

DPC Industries, Inc.

Siemens Water Technologies Corp.

International Dioxide, Inc.

Kemira Oyj

PureLine Treatment Systems

Severn Trent Services

Tecme Water Solutions

Bio-Cide International Inc.

Global Chlorine Dioxide 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 Form:

Gas

Liquid

Solid

By Application:

Municipal Water Treatment

Industrial Water Treatment

Swimming Pool Water Treatment

Wastewater Treatment

By End-Use Industry:

Chemical

Oil & Gas

Power Generation

Pulp & Paper

Water Treatment

Food & Beverage

Construction Industry

Pharmaceutical Industry

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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