

# Chlorine Dioxide Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

<https://marketpublishers.com/r/C670DCF59C58EN.html>

Date: November 2023

Pages: 144

Price: US\$ 2,499.00 (Single User License)

ID: C670DCF59C58EN

## Abstracts

The global chlorine dioxide market size reached US\$ 999 Million in 2022. Looking forward, IMARC Group expects the market to reach US\$ 1,323 Million by 2028, exhibiting a growth rate (CAGR) of 4.79% during 2022-2028.

Chlorine dioxide (ClO<sub>2</sub>) is a volatile chemical compound that consists of one chlorine atom and two oxygen atoms. It is a yellowish-brown gas with an unpleasant odor at room temperature that dissolves in water. It is usually produced from sodium chlorite and sodium chlorate and is commonly used as an antimicrobial agent in poultry processing, disinfecting drinking water and washing vegetables and fruits. It is also utilized as a selective oxidizer and is used as an alternative to chlorine in water treatment solutions. Chlorine dioxide is effective over a broad pH range, neutralizes phenols and their derivatives and is less corrosive. As a result, it is extensively used in industrial water treatment, medical, pulp and paper processing, oil and gas, food and beverage applications.

### Chlorine Dioxide Market Trends:

Rapid industrialization across the globe is one of the key factors driving the growth of the market. Chlorine dioxide is widely used for treating wastewater and removing the turbidity from water as it is a powerful disinfectant for bacteria and viruses. Additionally, the widespread product utilization in the pulp and paper industry is favoring the market growth. Chlorine dioxide is widely used as a bleaching agent to produce paper with high brightness. Moreover, the increasing utilization of biocide technology is providing a thrust to the market growth. The technology is based on chlorine dioxide to treat industrial cooling water systems and provide safety interlocks, real-time monitoring and enhanced cost-effectiveness. Other factors, including the rising product demand in the

food and beverage industry to control pathogenic and spoilage microorganisms, along with the extensive product utilization to sterilize medical and laboratory equipment, is anticipated to drive the market toward growth.

#### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global chlorine dioxide market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on type, method and application.

#### Breakup by Type:

- Liquid Stabilized Chlorine Dioxide
- Solid Stabilized Chlorine Dioxide

#### Breakup by Method:

- Electrolytic Method
- Chemical Method

#### Breakup by Application:

- Industrial Water Treatment
- Pulp and Paper Processing
- Oil and Gas
- Medical
- Food and Beverages
- Others

#### Breakup by Region:

- North America
  - United States
  - Canada
- Asia-Pacific
  - China
  - Japan
  - India
  - South Korea

Australia  
Indonesia  
Others  
Europe  
Germany  
France  
United Kingdom  
Italy  
Spain  
Russia  
Others  
Latin America  
Brazil  
Mexico  
Others  
Middle East and Africa

#### Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Accepta LLC, AquaPulse Systems, CDG Environmental LLC, Ecolab Inc., Evoqua Water Technologies LLC, Grundfos Pumps Corporation, Iotronic Elektrogerätebau GmbH, ProMinent GmbH, Sabre Technologies LLC, Tecme Srl and Vasu Chemicals LLP.

#### Key Questions Answered in This Report

1. How big is the global chlorine dioxide market?
2. What is the expected growth rate of the global chlorine dioxide market during 2023-2028?
3. What are the key factors driving the global chlorine dioxide market?
4. What has been the impact of COVID-19 on the global chlorine dioxide market?
5. What is the breakup of the global chlorine dioxide market based on the type?
6. What is the breakup of the global chlorine dioxide market based on the method?
7. What is the breakup of the global chlorine dioxide market based on the application?
8. What are the key regions in the global chlorine dioxide market?
9. Who are the key players/companies in the global chlorine dioxide market?

## Contents

### **1 PREFACE**

### **2 SCOPE AND METHODOLOGY**

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
  - 2.3.1 Primary Sources
  - 2.3.2 Secondary Sources
- 2.4 Market Estimation
  - 2.4.1 Bottom-Up Approach
  - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

### **3 EXECUTIVE SUMMARY**

### **4 INTRODUCTION**

- 4.1 Overview
- 4.2 Key Industry Trends

### **5 GLOBAL CHLORINE DIOXIDE MARKET**

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

### **6 MARKET BREAKUP BY TYPE**

- 6.1 Liquid Stabilized Chlorine Dioxide
  - 6.1.1 Market Trends
  - 6.1.2 Market Forecast
- 6.2 Solid Stabilized Chlorine Dioxide
  - 6.2.1 Market Trends
  - 6.2.2 Market Forecast

## **7 MARKET BREAKUP BY METHOD**

- 7.1 Electrolytic Method
  - 7.1.1 Market Trends
  - 7.1.2 Market Forecast
- 7.2 Chemical Method
  - 7.2.1 Market Trends
  - 7.2.2 Market Forecast

## **8 MARKET BREAKUP BY APPLICATION**

- 8.1 Industrial Water Treatment
  - 8.1.1 Market Trends
  - 8.1.2 Market Forecast
- 8.2 Pulp and Paper Processing
  - 8.2.1 Market Trends
  - 8.2.2 Market Forecast
- 8.3 Oil and Gas
  - 8.3.1 Market Trends
  - 8.3.2 Market Forecast
- 8.4 Medical
  - 8.4.1 Market Trends
  - 8.4.2 Market Forecast
- 8.5 Food and Beverages
  - 8.5.1 Market Trends
  - 8.5.2 Market Forecast
- 8.6 Others
  - 8.6.1 Market Trends
  - 8.6.2 Market Forecast

## **9 MARKET BREAKUP BY REGION**

- 9.1 North America
  - 9.1.1 United States
    - 9.1.1.1 Market Trends
    - 9.1.1.2 Market Forecast
  - 9.1.2 Canada
    - 9.1.2.1 Market Trends
    - 9.1.2.2 Market Forecast

## 9.2 Asia-Pacific

### 9.2.1 China

9.2.1.1 Market Trends

9.2.1.2 Market Forecast

### 9.2.2 Japan

9.2.2.1 Market Trends

9.2.2.2 Market Forecast

### 9.2.3 India

9.2.3.1 Market Trends

9.2.3.2 Market Forecast

### 9.2.4 South Korea

9.2.4.1 Market Trends

9.2.4.2 Market Forecast

### 9.2.5 Australia

9.2.5.1 Market Trends

9.2.5.2 Market Forecast

### 9.2.6 Indonesia

9.2.6.1 Market Trends

9.2.6.2 Market Forecast

### 9.2.7 Others

9.2.7.1 Market Trends

9.2.7.2 Market Forecast

## 9.3 Europe

### 9.3.1 Germany

9.3.1.1 Market Trends

9.3.1.2 Market Forecast

### 9.3.2 France

9.3.2.1 Market Trends

9.3.2.2 Market Forecast

### 9.3.3 United Kingdom

9.3.3.1 Market Trends

9.3.3.2 Market Forecast

### 9.3.4 Italy

9.3.4.1 Market Trends

9.3.4.2 Market Forecast

### 9.3.5 Spain

9.3.5.1 Market Trends

9.3.5.2 Market Forecast

### 9.3.6 Russia

9.3.6.1 Market Trends

9.3.6.2 Market Forecast

9.3.7 Others

9.3.7.1 Market Trends

9.3.7.2 Market Forecast

9.4 Latin America

9.4.1 Brazil

9.4.1.1 Market Trends

9.4.1.2 Market Forecast

9.4.2 Mexico

9.4.2.1 Market Trends

9.4.2.2 Market Forecast

9.4.3 Others

9.4.3.1 Market Trends

9.4.3.2 Market Forecast

9.5 Middle East and Africa

9.5.1 Market Trends

9.5.2 Market Breakup by Country

9.5.3 Market Forecast

## **10 SWOT ANALYSIS**

10.1 Overview

10.2 Strengths

10.3 Weaknesses

10.4 Opportunities

10.5 Threats

## **11 VALUE CHAIN ANALYSIS**

## **12 PORTERS FIVE FORCES ANALYSIS**

12.1 Overview

12.2 Bargaining Power of Buyers

12.3 Bargaining Power of Suppliers

12.4 Degree of Competition

12.5 Threat of New Entrants

12.6 Threat of Substitutes

## 13 PRICE ANALYSIS

## 14 COMPETITIVE LANDSCAPE

### 14.1 Market Structure

### 14.2 Key Players

### 14.3 Profiles of Key Players

#### 14.3.1 Accepta LLC

##### 14.3.1.1 Company Overview

##### 14.3.1.2 Product Portfolio

#### 14.3.2 AquaPulse Systems

##### 14.3.2.1 Company Overview

##### 14.3.2.2 Product Portfolio

#### 14.3.3 CDG Environmental LLC

##### 14.3.3.1 Company Overview

##### 14.3.3.2 Product Portfolio

#### 14.3.4 Ecolab Inc.

##### 14.3.4.1 Company Overview

##### 14.3.4.2 Product Portfolio

##### 14.3.4.3 Financials

##### 14.3.4.4 SWOT Analysis

#### 14.3.5 Evoqua Water Technologies LLC

##### 14.3.5.1 Company Overview

##### 14.3.5.2 Product Portfolio

##### 14.3.5.3 Financials

##### 14.3.5.4 SWOT Analysis

#### 14.3.6 Grundfos Pumps Corporation

##### 14.3.6.1 Company Overview

##### 14.3.6.2 Product Portfolio

##### 14.3.6.3 SWOT Analysis

#### 14.3.7 Iotronik Elektroger?tebau GmbH

##### 14.3.7.1 Company Overview

##### 14.3.7.2 Product Portfolio

#### 14.3.8 ProMinent GmbH

##### 14.3.8.1 Company Overview

##### 14.3.8.2 Product Portfolio

#### 14.3.9 Sabre Technologies LLC

##### 14.3.9.1 Company Overview

##### 14.3.9.2 Product Portfolio



#### 14.3.10 Tecme Srl

14.3.10.1 Company Overview

14.3.10.2 Product Portfolio

#### 14.3.11 Vasu Chemicals LLP

14.3.11.1 Company Overview

14.3.11.2 Product Portfolio

## List Of Tables

### LIST OF TABLES

Table 1: Global: Chlorine Dioxide Market: Key Industry Highlights, 2022 and 2028

Table 2: Global: Chlorine Dioxide Market Forecast: Breakup by Type (in Million US\$), 2023-2028

Table 3: Global: Chlorine Dioxide Market Forecast: Breakup by Method (in Million US\$), 2023-2028

Table 4: Global: Chlorine Dioxide Market Forecast: Breakup by Application (in Million US\$), 2023-2028

Table 5: Global: Chlorine Dioxide Market Forecast: Breakup by Region (in Million US\$), 2023-2028

Table 6: Global: Chlorine Dioxide Market: Competitive Structure

Table 7: Global: Chlorine Dioxide Market: Key Players

## List Of Figures

### LIST OF FIGURES

Figure 1: Global: Chlorine Dioxide Market: Major Drivers and Challenges

Figure 2: Global: Chlorine Dioxide Market: Sales Value (in Million US\$), 2017-2022

Figure 3: Global: Chlorine Dioxide Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 4: Global: Chlorine Dioxide Market: Breakup by Type (in %), 2022

Figure 5: Global: Chlorine Dioxide Market: Breakup by Method (in %), 2022

Figure 6: Global: Chlorine Dioxide Market: Breakup by Application (in %), 2022

Figure 7: Global: Chlorine Dioxide Market: Breakup by Region (in %), 2022

Figure 8: Global: Chlorine Dioxide (Liquid Stabilized) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 9: Global: Chlorine Dioxide (Liquid Stabilized) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 10: Global: Chlorine Dioxide (Solid Stabilized) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 11: Global: Chlorine Dioxide (Solid Stabilized) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 12: Global: Chlorine Dioxide (Electrolytic Method) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 13: Global: Chlorine Dioxide (Electrolytic Method) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 14: Global: Chlorine Dioxide (Chemical Method) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 15: Global: Chlorine Dioxide (Chemical Method) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 16: Global: Chlorine Dioxide (Industrial Water Treatment) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 17: Global: Chlorine Dioxide (Industrial Water Treatment) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 18: Global: Chlorine Dioxide (Pulp and Paper Processing) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 19: Global: Chlorine Dioxide (Pulp and Paper Processing) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 20: Global: Chlorine Dioxide (Oil and Gas) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 21: Global: Chlorine Dioxide (Oil and Gas) Market Forecast: Sales Value (in

Million US\$), 2023-2028

Figure 22: Global: Chlorine Dioxide (Medical) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 23: Global: Chlorine Dioxide (Medical) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 24: Global: Chlorine Dioxide (Food and Beverages) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 25: Global: Chlorine Dioxide (Food and Beverages) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 26: Global: Chlorine Dioxide (Other Applications) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 27: Global: Chlorine Dioxide (Other Applications) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 28: North America: Chlorine Dioxide Market: Sales Value (in Million US\$), 2017 & 2022

Figure 29: North America: Chlorine Dioxide Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 30: United States: Chlorine Dioxide Market: Sales Value (in Million US\$), 2017 & 2022

Figure 31: United States: Chlorine Dioxide Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 32: Canada: Chlorine Dioxide Market: Sales Value (in Million US\$), 2017 & 2022

Figure 33: Canada: Chlorine Dioxide Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 34: Asia-Pacific: Chlorine Dioxide Market: Sales Value (in Million US\$), 2017 & 2022

Figure 35: Asia-Pacific: Chlorine Dioxide Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 36: China: Chlorine Dioxide Market: Sales Value (in Million US\$), 2017 & 2022

Figure 37: China: Chlorine Dioxide Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 38: Japan: Chlorine Dioxide Market: Sales Value (in Million US\$), 2017 & 2022

Figure 39: Japan: Chlorine Dioxide Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 40: India: Chlorine Dioxide Market: Sales Value (in Million US\$), 2017 & 2022

Figure 41: India: Chlorine Dioxide Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 42: South Korea: Chlorine Dioxide Market: Sales Value (in Million US\$), 2017 & 2022

Figure 43: South Korea: Chlorine Dioxide Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 44: Australia: Chlorine Dioxide Market: Sales Value (in Million US\$), 2017 & 2022

Figure 45: Australia: Chlorine Dioxide Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 46: Indonesia: Chlorine Dioxide Market: Sales Value (in Million US\$), 2017 & 2022

Figure 47: Indonesia: Chlorine Dioxide Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 48: Others: Chlorine Dioxide Market: Sales Value (in Million US\$), 2017 & 2022

Figure 49: Others: Chlorine Dioxide Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 50: Europe: Chlorine Dioxide Market: Sales Value (in Million US\$), 2017 & 2022

Figure 51: Europe: Chlorine Dioxide Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 52: Germany: Chlorine Dioxide Market: Sales Value (in Million US\$), 2017 & 2022

Figure 53: Germany: Chlorine Dioxide Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 54: France: Chlorine Dioxide Market: Sales Value (in Million US\$), 2017 & 2022

Figure 55: France: Chlorine Dioxide Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 56: United Kingdom: Chlorine Dioxide Market: Sales Value (in Million US\$), 2017 & 2022

Figure 57: United Kingdom: Chlorine Dioxide Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 58: Italy: Chlorine Dioxide Market: Sales Value (in Million US\$), 2017 & 2022

Figure 59: Italy: Chlorine Dioxide Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 60: Spain: Chlorine Dioxide Market: Sales Value (in Million US\$), 2017 & 2022

Figure 61: Spain: Chlorine Dioxide Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 62: Russia: Chlorine Dioxide Market: Sales Value (in Million US\$), 2017 & 2022

Figure 63: Russia: Chlorine Dioxide Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 64: Others: Chlorine Dioxide Market: Sales Value (in Million US\$), 2017 & 2022

Figure 65: Others: Chlorine Dioxide Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 66: Latin America: Chlorine Dioxide Market: Sales Value (in Million US\$), 2017 & 2022

Figure 67: Latin America: Chlorine Dioxide Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 68: Brazil: Chlorine Dioxide Market: Sales Value (in Million US\$), 2017 & 2022

Figure 69: Brazil: Chlorine Dioxide Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 70: Mexico: Chlorine Dioxide Market: Sales Value (in Million US\$), 2017 & 2022

Figure 71: Mexico: Chlorine Dioxide Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 72: Others: Chlorine Dioxide Market: Sales Value (in Million US\$), 2017 & 2022

Figure 73: Others: Chlorine Dioxide Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 74: Middle East and Africa: Chlorine Dioxide Market: Sales Value (in Million US\$), 2017 & 2022

Figure 75: Middle East and Africa: Chlorine Dioxide Market: Breakup by Country (in %), 2022

Figure 76: Middle East and Africa: Chlorine Dioxide Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 77: Global: Chlorine Dioxide Industry: SWOT Analysis

Figure 78: Global: Chlorine Dioxide Industry: Value Chain Analysis

Figure 79: Global: Chlorine Dioxide Industry: Porter's Five Forces Analysis

## I would like to order

Product name: Chlorine Dioxide Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

Product link: <https://marketpublishers.com/r/C670DCF59C58EN.html>

Price: US\$ 2,499.00 (Single User License / Electronic Delivery)

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

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/C670DCF59C58EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

