

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

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## Abstracts

The global calcium chloride market size reached US\$ 1.2 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 1.7 Billion by 2028, exhibiting a growth rate (CAGR) of 5.32% during 2023-2028.

Calcium chloride ( $\text{CaCl}_2$ ) is a white, crystalline solid characterized by high solubility. It is an inorganic compound occurring naturally in the form of beads and stored in airtight containers on account of its hygroscopic nature. It is used as a desiccant to maintain a constant level of dryness in water treatment plants. Apart from this, it finds extensive applications in agriculture, paint, rubber, food and beverage (F&B), and transportation industries across the globe.

### Calcium Chloride Market Trends:

At present, there is a rise in the utilization of  $\text{CaCl}_2$  in cheese production, beer brewing, meat tenderization, and canned vegetables and fruits. This, along with the growing application of  $\text{CaCl}_2$  as a de-icing agent on roads, sidewalks and pavements during winters, represents one of the key factors driving the market. Moreover, there is an increase in the employment of  $\text{CaCl}_2$  in the construction industry as a concrete accelerator to provide high initial strength by speeding up the hydration process. This, coupled with rising construction activities, especially in developing economies, is propelling the growth of the market. In addition, the escalating demand for  $\text{CaCl}_2$  in the mining sector as a maintenance material for the construction of haul roads owing to its deliquescent nature of absorbing moisture from the air and adding density to the roadway is positively influencing the market.

### Key Market Segmentation:

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

#### Breakup by Application:

- De-Icing
- Dust Control and Road Stabilization
- Drilling Fluids
- Construction
- Industrial Processing
- Others

De-icing exhibits a clear dominance in the market owing to the ability of  $\text{CaCl}_2$  to melt ice faster compared to other chemical compounds.

#### Breakup by Product Type:

- Liquid
- Hydrated Solid
- Anhydrous Solid

Hydrated solid  $\text{CaCl}_2$  is currently holding the dominant share in the market.

#### Breakup by Raw Material:

- Natural Brine
- Solvay Process (by-Product)
- Limestone and HCL
- Others

Natural Brine currently account for the highest share in the market as it is cost-effective and causes less impact on the environment.

#### Breakup by Grade:

- Food Grade
- Industrial Grade

Industrial grade calcium chloride is the largest market segment owing to its various applications in diverse industries, such as oil and gas, and mining.

#### Breakup by Region:

North America

Asia Pacific

Europe

Middle East and Africa

Latin America

North America holds the largest market share due to the increasing utilization of calcium chloride for de-icing, wastewater treatment, dust control and food processing applications in the region.

#### Competitive Landscape:

The competitive landscape of the market has been analyzed in the report, along with the detailed profiles of the major players operating in the industry. Some of these players are Occidental Petroleum Corp., Tetra Technologies, Inc., B. J. Services, Inc., Solvay S.A. (Solvay Group), Tangshan Sanyou Group Co., Ltd., Qingdao Huadong Calcium Producing Co. Ltd., Tiger Calcium Services Inc., Ward Chemicals Inc., Weifang Haibin Chemical Co., Ltd, Weifang Taize Chemical Industry Co., Ltd, and Zirax Ltd.

The report provides a comprehensive insight into the global calcium chloride industry including its market break-up by region, market breakup by end-uses, SWOT analysis, Porter's five forces analysis, value chain analysis, import and export trends, key players and market outlook. The report also gives an insight into the manufacturing process of calcium chloride, covering key success and risk factors for manufacturers, manufacturing process flow, the reactions involved, raw materials requirements, etc.

The essential aspects of the global calcium chloride market evaluated in the report include:

Market trends

Major regions

Key application areas

Popular product types

Major grade types

Key manufacturers

Price trends

Raw material requirements

Chemical reactions involved in the manufacturing process

Major importers and exporters

Value chain analysis

Market trends for major feedstocks

Price trends for major feedstocks

Key regions for major feedstocks

Key players for major feedstocks

#### Key Questions Answered in This Report

1. What was the size of the global calcium chloride market in 2022?
2. What is the expected growth rate of the global calcium chloride market during 2023-2028?
3. What are the key factors driving the global calcium chloride market?
4. What has been the impact of COVID-19 on the global calcium chloride market?
5. What is the breakup of the global calcium chloride market based on the application?
6. What is the breakup of the global calcium chloride market based on the product type?
7. What is the breakup of the global calcium chloride market based on the raw material?
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9. What are the key regions in the global calcium chloride market?
10. Who are the key players/companies in the global calcium chloride market?

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