

Calcium Chloride Market Size and Share Outlook - Forecast Trends and Growth Analysis Report (2025-2034)

Market Report | 2025-08-12 | 157 pages | EMR Inc.

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Report description:

The global calcium chloride market attained a value of USD 2.32 Billion in 2024. The market is further expected to grow in the forecast period of 2025-2034 at a CAGR of 7.40% to reach USD 4.74 Billion by 2034.

Based on industrial application, the de-icing and dust control industries together hold a significant share in the market, followed by the construction industry. Calcium chloride is suitable to be used as a drying agent and is highly soluble in water. Due to its versatile properties, it can also be used as a preservative ingredient in many processed foods. The global rise in population and disposable incomes has been increasing the demand for food processing and the requirement for infrastructure, which is aiding the calcium chloride market. Calcium chloride can be used as a pH balancer in swimming pools. Adding calcium chloride in the swimming pool reduces the erosion of concrete.

The demand for the product is highly driven by North America and Europe due to its rising demand in the regions for its de-icing properties. The market is experiencing growth in the Asia Pacific region, owing to the growing infrastructure and construction industry.

Properties and Applications

Calcium chloride has an ionic bond between calcium and chlorine. It has properties to reduce the freezing point, suppress dust particles on-road, and decrease air pollution.

The major product types in the industry are:

- Liquid
- Hydrated Solid

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- Anhydrous Solid

The industry is divided based on raw material into:

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

The market is segregated based on grade into:

- Food Grade
- Industrial Grade

The market can be broadly categorised on the basis of industrial application into:

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

Market breakup by region:

- North America
- Europe
- Asia Pacific
- Latin America
- Middle East and Africa

Market Analysis□

The demand for calcium chloride is highly driven by dust control and de-icing industries. The market is anticipated to further grow with the rising product demand in the oil and gas industry. The market is also expected to be aided by the construction industry. The industry has a high potential to grow in the agricultural and water treatment sector as well.

The de-icing application, which drives the calcium chloride market, is not considered safe for the environment due to the excessive chloride levels in the environment. This might restrict the growth of the market in the future.

Competitive Landscape□

The report presents a detailed analysis of the following key players in the global calcium chloride market, looking into their capacity, market shares, and latest developments like capacity expansions, plant turnarounds, and mergers and acquisitions:

- Occidental Chemical Corporation
- TETRA Technologies, Inc.

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- Solvay
- Tiger Calcium
- Ward Chemical Ltd.
- Hawkins Inc.
- Zirax Limited
- Others

The comprehensive EMR report provides an in-depth assessment of the market based on the Porter's five forces model along with giving a SWOT analysis.

More Insights On:

Aluminium Chloride Hexahydrate Market South Korea Sodium Chloride Market South Korea Ferric Chloride Market Polyvinyl Chloride (PVC) Market Benzalkonium Chloride Market Sodium Chloride Market Ferric Chloride Market Benzyl Chloride Market

Calcium Chloride Market Report Snapshots

Calcium Chloride Companies

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