Calcium Chloride Market Research Report - Global Forecast till 2025

Description:

Calcium Chloride Market: Information by Form (Liquid, Hydrated Solid, and Others), Grade (Food Grade, Industrial Grade, Agriculture Grade, and Pharmaceutical Grade), Raw Material (Natural Brine, Solvay Process (by-product), and Limestone and Hydrochloric Acid (HCL)), Application (De-Icing & Dust Control, Oil & Gas, Healthcare, Construction, Agriculture, Food and Beverages, Animal Sterilization, and Others), and Region—Forecast till 2025

Market overview:

Calcium chloride, with a chemical formula CaCl2, is an inorganic salt that acts as a typical ionic halide. It is colorless crystalline solid at room temperature and is highly soluble in water. It is commercially available in liquid and anhydrous forms. Calcium chloride is hygroscopic generally kept in airtight containers and is used as a drying agent (desiccant).

According to MRFR analysis, the global calcium chloride market is projected to reach USD 1.53 billion with a healthy CAGR of 4.3% during the assessment period. The growing demand for calcium chloride in dust control and de-icing activities is expected to be the major driver for the growth of the global market. Intense cold weather conditions and heavy snowfall in countries such as the US, Canada, and Japan is likely to drive the boost the market growth owing to increasing consumption of the product in de-icing activities. Moreover, the surging demand in the oil & gas industry in drilling fluids applications is likely to further drive global market growth. Furthermore, the growing adoption of calcium chloride as a food preservative in the food industry is also likely to augment the market growth in the coming years. The increasing number of potential applications of calcium chloride in industries such as water treatment, agricultural, construction, and animal sterilization is expected to create lucrative opportunities for market players.

However, excessive consumption of calcium chloride causes serious ill effects, such as kidney stones, irregular heartbeats, muscle spasms, and joint pains, which is expected to be the key factor hampering the market growth in the coming years. In addition, it is not considered a safe ice melt for the environment on account of the deposition of excessive chloride levels and heavy metal contamination and further is expected to restrain the global market growth in the following years.

Global Calcium Chloride Market Share, by Application, 2017 (%)
Regional analysis:
The global market for calcium chloride has been segmented into five key regions, namely Asia-Pacific, North America, Middle East & Africa, Europe, and Latin America.

The North American market accounted for the largest market share of more than 40% in 2017 and is projected to record a significant CAGR during the forecast period. This can be attributed to the increasing consumption of calcium chloride as a de-icing agent. The US is expected to be the leading market in the region on account of the increasing application of the product in the manufacturing of pharmaceuticals and drilling fluids. The European market held the second-largest market share in 2018 and is projected to exhibit a healthy CAGR in the coming years owing to the increasing use of the product in de-icing, pharmaceuticals, and food processing. Germany is expected to be the dominant market followed by Italy, Spain, and France. The Asia-Pacific market is also estimated to register a significant CAGR during the forecast period on account of increasing demand for calcium chloride in the construction industry. China is the leading country in the region owing to the high consumption of the product in agriculture and food processing applications. The Latin American market is projected to register a moderate CAGR in the following years owing to its high demand in water treatment and healthcare applications. Mexico, Argentina, and Brazil are the countries contributing to the regional market growth. The Middle East & Africa market is estimated to register sluggish CAGR during the assessment period. However, calcium chloride finds applications in drilling fluids in the oil & gas industry.

Segmentation analysis:
The global calcium chloride market has been divided on the basis of form, grade, application, end-use industry, and region.

Based on form, the global calcium chloride market has been classified into liquid, hydrated solid, and others.

By grade, the global calcium chloride market has been categorized into food grade, industrial grade, agriculture grade, and pharmaceutical grade.

Based on raw material, the global calcium chloride market has been segregated into natural brine, Solvay process (by-product), and limestone and hydrochloric acid (HCL).

On the basis of application, the global calcium chloride market has been divided into de-icing & dust control, oil & gas, healthcare, construction, agriculture, food and beverages, animal sterilization, and others.

The global calcium chloride market, by region, has been studied across five major regions, namely, Asia-Pacific, North America, the Middle East & Africa, Europe, and Latin America.

Key players:
The key players operating in the global calcium chloride market are Occidental Chemical Corporation (US), Solvay (Belgium), Tangshan Sanyou Group Co., Ltd (China), TETRA Technologies, Inc (US), Ward Chemical Ltd (Canada), Weifang Haibin Chemical Co., Ltd (China), Zirax Limited (UK), Nedmag B.V. (The Netherlands), Auro Chemical Industries Pvt. Ltd (India), and Sulaksh Chemicals (India).
Target Audience:
- Traders and distributors of calcium chloride
- Calcium chloride manufacturers
- Potential investors
- Production process industries
- Raw material suppliers
- Nationalized laboratories
- Government bodies

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