Global Calcium Nitrate Market: Information by process (Limestone, Phosphate Rock, Ammonium Nitrate), Application (Water Treatment, Fertilizers, Concrete Manufacturing, Explosives and Others) and Region (North America, Latin America, Europe, Asia Pacific, and the Middle East & Africa) —Forecast till 2025

Market Overview

Calcium nitrate is one of the key components for fertilizers. These fertilizers contain nitrogen and calcium, which are the key essential elements for plants. The function of calcium nitrate is to enhance the uptake of potassium, magnesium, and calcium from the soil and simultaneously increase the quality and yield of the product. It also extends the resistance to diseases and the storage life of fruits. Additionally, calcium nitrate is used in the manufacture of explosives, wastewater treatment, medical purposes, and concrete. In water treatment, it is used to suppress the formation of odor in municipal wastewater treatment and in sewer networks.

According to MRFR analysis, the global Calcium nitrate market is estimated to reach USD 7.5 billion by the end of 2025 at a robust CAGR of 4.6%. The growth of the global market for Calcium nitrate is projected to be primarily driven by their increasing demand from agro-chemicals. Additionally, the rapid growth of the water and wastewater treatment chemicals sector is also expected to fuel the demand for Calcium nitrate.

The rising global population is expected to impact positively on the growth of the calcium nitrate market owing to increasing trends for implementing eco-friendly fertilizer methods and the escalating demand for food across the world. As per one of the latest report published by the Food and Agriculture Organization (FAO) of the United Nations, estimated that more than 15% of farmland productivity should be raised in the coming years to support world food consumption. Furthermore, stringent regulatory requirements regarding wastewater treatment in developing and emerging countries is expected to propel the calcium nitrate market in the coming forecast period. Additionally, calcium nitrate also used as admixtures in the production of concrete and is expected to drive the demand for calcium nitrate in a rapid concrete setting.

Global Calcium nitrate Market Share, By Application, 2017 (%)
Regional Analysis:

The global Calcium nitrate market has been studied across five key regions, namely Asia-Pacific, North America, Latin America, Europe, and the Middle East & Africa. Based on market value share, Asia Pacific is estimated to hold more than one-third of the global market share and is expected to continue the dominance throughout the forecast period due to the increase in production of agrochemicals chemicals. The demand for Calcium nitrate is increasing at a significant rate in China owing to factors such as rapid industrialization, growing chemical industries, and high investments in infrastructure development. Additionally, in Asia-Pacific, India has increased its investments in the agricultural industry, where Calcium nitrate are used to increase the yield of crops. The growth outlook of the calcium nitrate market in emerging Latin American economies, such as Mexico and Brazil, is expected to be lucrative during the assessment period. The demand for calcium nitrate in North America is expected to be high from the end-use industry. However, due to the stringent REACH regulations in Europe, the demand for calcium nitrate is expected to be low during the forecast period. The Middle East & Africa is expected to witness a moderate growth owing to the growth of the end-use industries, such as chemical, agriculture, and water treatment, in the region.

Segmentation Analysis:

The global Calcium nitrate market has been segmented based on process, application, and region. On the basis of process, the global Calcium nitrate market has been categorized into limestone, phosphate rock, ammonium nitrate. By application, the global Calcium nitrate market has been divided into water treatment, fertilizers, concrete manufacturing, explosives, and others. The global Calcium nitrate market, by region, has been segregated into North America, Latin America, Europe, Asia Pacific, and the Middle East & Africa.

Key players:

Some of the key players operating in the global Calcium nitrate market are GFS Chemicals Inc (The US), Rural Liquid Fertilizers (RLF) (Australia), Haifa Chemicals Ltd (Israel), Nutrien Ltd (Canada), Prathista Industries Limited (India), Sterling Chemicals & Alcohols Limited (India), Yara International ASA (Norway), Swiss Formulations India (India), Uralchem Holding PLC (Russia), Blue Line Corporation (India) Among others.

Target Audience:

- Calcium nitrate Manufacturers
- Raw Material Suppliers
- Distributors and Suppliers of Calcium nitrate
- Potential Investors
- Research Institutes
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