

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

Market Report | 2025-08-12 | 163 pages | EMR Inc.

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Report description:

The global calcium nitrate market is expected to grow at a CAGR of 3.40% in the forecast period of 2025-2034.

Growing Demand from Various Application Sectors to Augment the Calcium Nitrate Industry Growth

The growing utilisation of calcium nitrate for various applications, particularly fertilisers, is significantly contributing to the growth of the industry. Calcium is a vital nutrient for the growth of plant tissues and calcium nitrate-based fertilisers have proved to be beneficial for the environment as they do not get lost in the atmosphere as compared to ammonia and urea-based fertilisers. Further, calcium nitrate is also used in wastewater treatment to eliminate the odour of sulphate compounds present in water. In addition, it has applications in concrete manufacturing, blasting and oil exploratory activities, and in the production of explosives. This is providing a boost to the market and contributing to its growth.

Region-wise, the Asia Pacific is expected to provide enhanced growth opportunities to the market over the forecast period. The growing demand for fertilisers in the agricultural sector and the presence of a large population are aiding the regional industry growth. The market is also supported by the rapid urbanisation and industrialisation trends going on in emerging nations like India and China.

Calcium Nitrate: Market Segmentation

Calcium nitrate, also known as Norgessalpeter or Norwegian saltpeter, is a colourless salt represented by the formula $\text{Ca}(\text{NO}_3)_2$. This inorganic compound mostly occurs as a tetrahydrate and can easily absorb moisture from the air. Calcium nitrate is widely utilised as a component in fertilisers and has various other applications.

Breakup by Form

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- Liquid
- Crystal
- Granule
- Others

Breakup by Application

- Fertilisers
- Wastewater Treatment
- Explosives
- Mortars and Concrete
- Others

Breakup by Region

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

Growing Demand for Fertilisers and Expanding Wastewater Treatment Industry to Boost the Demand for Calcium Nitrate

The development of the agriculture sector is driving the demand for fertilisers, which, in turn, is aiding the growth of the calcium nitrate industry. This is further supported by the rising global population and increasing demand for food. The rapid urbanisation and the growing construction activities, particularly in developing nations, are positively influencing the market growth. Moreover, the growing focus on sustainable practices is resulting in the growth of the wastewater treatment industry, which is significantly driving the demand for calcium nitrate. Over the forecast period, the stringent government regulations regarding wastewater treatment are expected to positively impact the market growth.

Key Industry Players in the Global Calcium Nitrate Market

The report gives a detailed analysis of the following key players in the global calcium nitrate market, covering their competitive landscape, capacity, and latest developments like mergers, acquisitions, and investments, expansions of capacity, and plant turnarounds:

- Haifa Group
- Uralchem, JSC
- Yara International ASA
- Ako Kasei Co., Ltd.
- Shanxi Jiaocheng Tianlong Chemical Industry Co.,Ltd.
- Van Iperen B.V.
- ProChem, Inc.
- Others

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

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giving a SWOT analysis.

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