

Global Calcium Hydroxide Market Analysis: Plant Capacity, Production, Operating Efficiency, Demand & Supply, End-User Industries, Sales Channel, Regional Demand, Foreign Trade, Company Share, 2015-2035

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Abstracts

The global Calcium Hydroxide market has grown remarkably to reach approximately 30 million tonnes in 2021 and is expected to grow at a steady CAGR of 3.77% during the forecast period until 2035. The low cost of Calcium Hydroxide and its alkaline nature drives its application in the wastewater treatment plants which is the major driver of its market.

Calcium Hydroxide is a soft white colored, odorless, powdery form organic compound, with slight bitter alkaline taste. It is also known as caustic lime, slaked lime or hydrated lime and its chemical formula is $\text{Ca}(\text{OH})_2$. Calcium Hydroxide is slightly soluble in water at room temperature and its saturated aqueous solution is known as lime water that is alkaline in nature. Commercially, Calcium Hydroxide is produced by an exothermic reaction between lime/calcium oxide/quick lime (CaO) with water. Calcium Hydroxide market is segmented into various grades based on its purity and utility such as Calcium Hydroxide-Pharma Grade, Calcium Hydroxide-Food Grade, and Calcium Hydroxide-Technical Grade.

Calcium Hydroxide is extensively used as a flocculant in drinking water and waste-water treatment, where it not only removes impurities to make water clean but also improves the water quality by neutralizing it and making it soft. In food and beverage, industry it is employed in processing water for soft drink and alcoholic beverages, for processing sugar, corn, and salt, in pickling process, to improve nutritional value of fruit juices, for making baking soda, etc. Additionally, it is one of the cheapest and most effective compounds used for treating and neutralizing acidic gases such as Sulphur dioxide,

Hydrogen chloride, etc. Similarly, it has wide range applications in agriculture, pulp and paper, construction, and other industries.

The market drivers of the global Calcium Hydroxide market are the water treatment and construction sector. It is most widely used chemical for wastewater treatment and achieve drinking water. In future, the decline in number of freshwater reserves will result in increase of water treatment of impure water, which is anticipated to robust the global Calcium Hydroxide market. Furthermore, its application as a pH modifier and preparation of industrially significant chemicals like ammonia are other factors that contribute to the demand of Calcium Hydroxide on a global level. The global Calcium Hydroxide market will most likely reach 55 million tonnes by 2035.

Based on demand by region, Asia Pacific is dominating the Calcium Hydroxide market followed by Europe and North America. Owing to rapid industrialization, urbanization, growing population, ongoing infrastructural projects, and growing wastewater treatment plants in the region, the market for Calcium Hydroxide market is anticipated to grow at a significant rate in the forecast period. Europe market for Calcium hydroxide is also expected to bloom at a significant rate owing to the government stringent regulations for treating wastewater before entering the environment. Calcium Hydroxide demand is also expected to surge in North America because of increase in construction projects and extensive utility in agriculture sector for making fertilizers, herbicides etc. Furthermore, China is leading as the producer of Calcium Hydroxide.

Based on the end-user industry, the global Calcium Hydroxide market is segregated into Chemical & Industrial, Construction, Environmental, Sludge Treatment, Water Treatment, and Others. Although, the Construction industry is the leading as a consumer of Calcium Hydroxide. In 2021, this industry held about 35% of the Calcium Hydroxide market. Chemical & Industrial applications are also lucrative segment of Calcium Hydroxide. Furthermore, the growing water and wastewater treatment projects across the globe is anticipated to fuel the demand of calcium hydroxide in the forecast period.

Major players in the production of Global Calcium Hydroxide are Shenzhen Changlong Technology Co., Ltd., Graymont Group, Carmeuse S.A, Unicale S.p.A, Shandong CITIC Calcium Industry Co., Ltd, Fels-Werke, Sigma Minerals Ltd., U.S. Lime and Minerals, Inc, Calce Dolomia S.p.A, Lhoist North America Inc, Minera de Belocal Ltda., Idwala Industrial Holdings (Pty) Ltd, and PPC Lime Limited.

Years considered for this report:

Historical Period: 2015- 2021

Base Year: 2021

Estimated Year: 2022

Forecast Period: 2023-2035

Objective of the Study:

To assess the demand-supply scenario of Calcium Hydroxide which covers production, demand and supply of Calcium Hydroxide market in the globe.

To analyse and forecast the market size of Calcium Hydroxide

To classify and forecast Global Calcium Hydroxide market based on end-use and regional distribution.

To examine competitive developments such as expansions, mergers & acquisitions, etc., of Calcium Hydroxide market in the globe.

To extract data for Global Calcium Hydroxide market, primary research surveys were conducted with Calcium Hydroxide manufacturers, suppliers, distributors, wholesalers and Traders. While interviewing, the respondents were also inquired about their competitors. Through this technique, ChemAnalyst was able to include manufacturers that could not be identified due to the limitations of secondary research. Moreover, ChemAnalyst analyzed various segments and projected a positive outlook for Global Calcium Hydroxide market over the coming years.

ChemAnalyst calculated Calcium Hydroxide demand in the globe by analyzing the historical data and demand forecast which was carried out considering the historical extraction and supply and demand of Calcium Hydroxide across the globe. ChemAnalyst sourced these values from industry experts, and company representatives and externally validated through analyzing historical sales data of respective

manufacturers to arrive at the overall market size. Various secondary sources such as company websites, association reports, annual reports, etc., were also studied by ChemAnalyst.

Key Target Audience:

Calcium Hydroxide manufacturers and other stakeholders

Organizations, forums and alliances related to Calcium Hydroxide distribution

Government bodies such as regulating authorities and policy makers

Market research organizations and consulting companies

The study is useful in providing answers to several critical questions that are important for industry stakeholders such as Calcium Hydroxide manufacturers, customers and policy makers. The study would also help them to target the growing segments over the coming years (next two to five years), thereby aiding the stakeholders in taking investment decisions and facilitating their expansion.

Report Scope:

In this report, Global Calcium Hydroxide market has been segmented into following categories, in addition to the industry trends which have also been detailed below:

Market, by End-use: Chemical & Industrial, Construction, Environmental, Sludge Treatment, Water Treatment, and Others

Market, by Sales Channel: Direct Sale and Indirect Sale

Market, by Region: North America, Europe, Asia Pacific, Middle East and Africa, and South America.

Available Customizations:

With the given market data, ChemAnalyst offers customizations according to a

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company's specific needs.

Contents

1. CAPACITY BY COMPANY

On our online platform, you can stay up to date with essential manufacturers and their current and future operation capacity on a practically real-time basis for Calcium Hydroxide.

2. CAPACITY BY LOCATION

To better understand the regional supply of Calcium Hydroxide by analyzing its manufacturers' location-based capacity.

3. PRODUCTION BY COMPANY

Study the historical annual production of Calcium Hydroxide by the leading players and forecast how it will grow in the coming years.

4. DEMAND BY END- USE

Discover which end-user industry (Chemical & Industrial, Construction, Environmental, Sludge Treatment, Water Treatment, and Others) are creating a market and the forecast for the growth of the Calcium Hydroxide market.

5. DEMAND BY REGION

Analyzing the change in demand of Calcium Hydroxide in different regions, i.e., North America, Europe, Asia Pacific, Middle East and Africa, and South America, that can direct you in mapping the regional demand.

6. DEMAND BY SALES CHANNEL (DIRECT AND INDIRECT)

Multiple channels are used to sell Calcium Hydroxide. Our sales channel will help in analyzing whether distributors and dealers or direct sales make up most of the industry's sales.

7. DEMAND-SUPPLY GAP

Determine the supply-demand gap to gain information about the trade surplus or

deficiency of Calcium Hydroxide.

8. COMPANY SHARE

Figure out what proportion of the market share of Calcium Hydroxide is currently held by leading players across the globe.

9. COUNTRY-WISE EXPORT

Get details about quantity of Calcium Hydroxide exported by major countries.

10. COUNTRY-WISE IMPORT

Get details about quantity of Calcium Hydroxide imported by major countries.

11. PRICING ANALYSIS & FORECAST

Analyze historical prices since 2015 & Forecast on three months rolling period for next 12 months.

Years considered for this report:

Historical Period: 2015- 2022

Base Year: 2022

Estimated Year: 2023

Forecast Period: 2024-2032

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