

Calcium Sulfate Market Size, Share & Trends Analysis Report By Application (Industrial, Food, Pharma & Medical, Technical), By Region (North America, Europe, Asia Pacific), And Segment Forecasts, 2025 - 2030

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Abstracts

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Calcium Sulfate Market Growth & Trends

The global calcium sulfate market size is anticipated to reach USD 7,880.8 million by 2030 and is expected to expand at a CAGR of 13.2% from 2025 to 2030, according to a new report by Grand View Research, Inc. The market is primarily driven by its widespread use in construction, particularly in producing drywall (gypsum boards) and plaster. Growing urbanization and infrastructure development across emerging economies fuel demand for these materials. In addition, calcium sulfate's role as a soil conditioner in agriculture and as a pharmaceutical excipient is expanding its application scope. Its low cost and non-toxic nature further enhance its industrial adoption.

The industrial segment dominated the market with a revenue share of 39.9% in 2024, during the forecast period. This segment is driven by its drying agent, desiccant, and filler use in various manufacturing processes, including cement, ceramics, and paints. Its high thermal stability and low reactivity make it ideal for moisture control and formulation stability. Increasing demand from the construction and chemical processing industries continues to boost its utilization.

The Asia Pacific application segment in the market is driven by rapid growth in construction, agriculture, and industrial manufacturing across countries like China, India,

and Southeast Asia. Rising infrastructure investments and urban housing projects are fueling demand for gypsum-based products. Moreover, expanding food and pharmaceutical sectors are increasing the need for food-grade and medical-grade calcium sulfate. Some of the prominent market players include GFS Chemicals, Inc., GLC Minerals, LLC, Merck KGaA, Spectrum Chemical, Saint-Gobain, Honeywell International Inc., GMCI, JONOUB Gypsum, SOLVAY, and JUNSEI Chemical Co., Ltd.

Calcium Sulfate Market Report Highlights

The industrial segment is expected to dominate the market with a revenue share of 39.9% in 2024. Due to the compound's functional versatility, the industrial application market segment encompasses a broad range of end uses. As a drying agent (particularly in its anhydrous form), calcium sulfate is widely used to remove moisture from organic liquids and gases in laboratories and industrial setups. In the construction sector, it serves as a filler and set regulator in cement and concrete formulations, helping to control setting time and improve strength.

Asia Pacific is the dominant region in the aluminum hydroxide market, with a revenue share of 35.4% in 2024. The Asia Pacific application segment is experiencing robust growth due to the region's accelerating industrialization, urban development, and agricultural modernization. In construction, calcium sulfate—primarily gypsum—is a key component in drywall, plasters, and cement, with surging demand linked to large-scale infrastructure projects and residential developments in countries such as China, India, Vietnam, and Indonesia.

Key industry participants include GFS Chemicals, Inc., GLC Minerals, LLC, Merck KGaA, Spectrum Chemical, Saint-Gobain, Honeywell International Inc., GMCI, JONOUB Gypsum, SOLVAY, and JUNSEI CHEMICAL CO., LTD.

In November 2023, Belgium-based Etex Group announced the expansion of its gypsum-based calcium sulphate production capacity at its Aragon facility in Spain. The plant's output will increase by 90,000 kilotons per year, with most of the additional volume directed toward eco-friendly building materials in the EU market. The expansion was supported by EU Green Deal funds, emphasizing carbon-neutral construction practices. Etex confirmed that the plant upgrade will include energy-efficient kilns and enhanced emission control systems.

Companies Mentioned

GFS Chemicals, Inc.

GLC Minerals, LLC

Merck KGaA

Spectrum Chemical

Saint-Gobain

Honeywell International Inc.

GMCI

JONOUB Gypsum

SOLVAY

JUNSEI CHEMICAL CO., LTD.

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