

## **Calcium Formate Market Size Analysis Report - Market Share, Forecast Trends and Outlook (2025-2034)**

Market Report | 2025-08-12 | 170 pages | EMR Inc.

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### **Report description:**

The global calcium formate market reached a value of USD 624.04 Million in 2024. The industry is further expected to grow at a CAGR of 5.20% in the forecast period of 2025-2034 to reach a value of USD 1036.02 Million by 2034.

#### Calcium Formate Market Growth

The adoption of calcium formate within the manufacturing and processing industries has gained an interesting uptick in recent years, as a perfect additive to stymie corrosion in wire casting and moulding operations. Advancements within the animal nutrition industry has meant that the demand for effective feed additives to realize superior conversion rate is on the increase. The main target on passenger safety because the top priority among automakers, and therefore the efficiency of calcium formate in boosting functionality of airbags, have collectively favoured the growth of the calcium formate market in recent years.

#### Calcium Formate Market Trends

As per the calcium formate market dynamics and trends, as governments throughout the world take measures to phase outgrowth-boosting antibiotics to ensure animal welfare safety, feed manufacturers are including calcium formate as a preservative to lower the pH level and enhance the gut health of animals.

#### Recent Developments

Perstorp India announced in February 2024 that it aims to build an advanced technology plant in Bharuch, India which can boost the calcium formate demand. This plant aims to provide 40,000 metric tonnes of pentaerythritol and 26,000 metric tonnes of calcium formate as raw materials.

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## Industry Outlook

As per the calcium formate industry analysis, in 2022, feed production in the Asia-Pacific region dominated the global market with a 37% share, followed by North America and Europe, each contributing 21%, as per the European Feed Manufacturers' Federation (FEFAC). Latin America accounted for 15% of production, with Africa and the Middle East making up 3% and 2%, respectively, and Oceania at 1%.

Four countries contributed to 58% of global compound feed production in 2022, according to the International Feed Industry Federation (IFIF). China led with 20%, the USA followed with 18%, the EU produced 13%, and Brazil accounted for 7%, which boosted the growth of the calcium formate industry. The remaining 42% was distributed among other countries worldwide.

In 2022, global compound feed production reached 1,245 million tons, with significant contributions from various regions, according to the International Feed Industry Federation. China led the production with 261 million tons, followed closely by the USA at 240 million tons. The European Union contributed 150 million tons, making it a major player in the global compound feed market. Other European countries collectively produced 58 million tons. Brazil's production stood at 82 million tons, positioning it as a key supplier in Latin America that can enhance calcium formate industry revenue. India's contribution was 43 million tons. Africa and the Middle East produced 43 million tons and 32 million tons, respectively, highlighting regional contributions. Additional significant producers included Canada with 21 million tons, Japan and Vietnam each with 24 million tons, Argentina with 26 million tons, and Mexico with 40 million tons. Russia's production was recorded at 34 million tons, and Oceania contributed 10 million tons to the global total.

### The Growing Importance of Calcium Formate Across Various Industries is Driving the Growth of the Global Calcium Formate Market

- Rising demand for calcium formate in the construction industry as an additive for cement and concrete to improve setting times.
- Technological advancements in production processes enhancing the purity and efficiency of calcium formate.
- Expansion of its use in animal feed as a preservative and growth promoter, driven by increasing livestock production aids the calcium formate demand growth.
- Established market presence of key chemical manufacturers with advanced production and distribution capabilities.

### Maintaining Cost-Effective and Sustainable Calcium Formate Production and Availability Concerns May Challenge the Growth of the Global Calcium Formate Market

- High production costs associated with raw materials and energy-intensive manufacturing processes.
- Limited availability of high-quality raw materials in certain regions affecting supply consistency.
- Dependence on specialized production facilities and skilled labour for maintaining product quality can affect calcium formate demand forecast.
- Challenges in adhering to stringent environmental regulations and safety standards in production.
- Customer expectations for affordable calcium formate products amidst fluctuating market prices.
- Economic uncertainties influencing investment and demand in various end-use industries.

### Increasing Investments in Green Construction Projects and Expanding Aquaculture Industry are Creating Opportunities in the Global Calcium Formate Market

- Increasing investment in green construction projects provides opportunities for calcium formate as an eco-friendly additive.
- Expansion of the aquaculture industry driving demand for calcium formate as a feed additive to enhance fish health and growth.
- Growing focus on sustainable agriculture practices opens new markets for calcium formate as a soil conditioner and fertilizer and aids calcium formate market value.

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- Development of advanced manufacturing technologies reducing production costs and environmental impact.
- Rising awareness and regulatory support for safer and high-quality preservatives in food and feed industries.
- Exploring untapped markets in developing regions with expanding industrial and agricultural sectors.
- Potential for collaborations with research institutions to innovate and develop new applications for calcium formate.

#### Calcium Formate Industry Segmentations

Calcium formate is used as a cement additive in the construction industry for fast setting and increasing hardness of cement products. Calcium formate is utilized as PH regulator, inhibitor corrosion defender to substratum of buildings and infrastructure, and for cementation of oil drilling.

Calcium formate can be divided on the basis of grade into:

- Feed Grade
- Industrial Grade

On the basis of application, calcium formate industry can be segmented into:

- Feed Additive
- Leather Tanning
- Textile Additive
- Concrete-Setting Accelerators
- Flue Gas Desulphurisation
- Drilling Fluids
- Others

Based on region, the market is divided into:

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

#### Competitive Landscape

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

- Lanxess AG
- Huanghua Pengfa Chemical Co., Ltd
- Perstorp Holding AB
- GEO Speciality Chemicals, Inc
- Shandong Baoyuan Chemicals Co., Ltd
- Jiangxi Kosin Frontier Technology Co., Ltd.
- Others

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

## Calcium Formate Market Regional Analysis

### Asia Pacific is Among the Leading Regions for Calcium Formate

Asia Pacific is among the leading markets for the global calcium formate industry. Asia Pacific region accounted for the highest share of the calcium formate market in 2020. Drivers such as the rapidly increasing consumption of calcium formate in the construction, chemicals, leather and textile, and animal husbandry industries in countries including India, Japan, China, and South Korea have led to a robust demand for calcium formate in the Asia Pacific region. Europe is expected to witness notable growth in the calcium formate industry. The rising demand from the feed industry contributes to the growth of the market in the region. Additionally, the use of calcium methanoate in various applications of the construction industry is another key factor driving the market growth in Europe.

### Key Price Indicators in the Global Calcium Formate Market

- Fluctuations in Raw Material Costs: Changes in global supply and demand for raw materials directly impact the prices of high-purity calcium formate and enhance calcium formate market revenue.
- Impact of Research and Development Expenses: Investments in research and development activities influence the pricing of calcium formate, particularly for high-purity applications.
- Transportation and Logistics Costs: Transportation and logistics expenses play a significant role in determining the overall pricing of calcium formate products.
- Influence of Trade Policies and Regulations: International trade policies, tariffs, and regulations affect the pricing of calcium formate in the global chemical trade.

### Key Demand Indicators in the Global Calcium Formate Market

- Rising Livestock Production: Higher livestock production and the need for quality animal feed additives are boosting calcium formate consumption.
- Growth in Leather and Textile Industries: The expanding leather and textile sectors require efficient processing chemicals, increasing the demand for calcium formate.
- Expansion of the Chemical Industry: Emerging markets are witnessing growth in the chemical industry, leading to higher demand for calcium formate.

## Table of Contents:

- 1 Executive Summary
  - 1.1 Market Size 2024-2025
  - 1.2 Market Growth 2025(F)-2034(F)
  - 1.3 Key Demand Drivers
  - 1.4 Key Players and Competitive Structure
  - 1.5 Industry Best Practices
  - 1.6 Recent Trends and Developments
  - 1.7 Industry Outlook

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## 2 Market Overview and Stakeholder Insights

### 2.1 Market Trends

### 2.2 Key Verticals

### 2.3 Key Regions

### 2.4 Supplier Power

### 2.5 Buyer Power

### 2.6 Key Market Opportunities and Risks

### 2.7 Key Initiatives by Stakeholders

## 3 Economic Summary

### 3.1 GDP Outlook

### 3.2 GDP Per Capita Growth

### 3.3 Inflation Trends

### 3.4 Democracy Index

### 3.5 Gross Public Debt Ratios

### 3.6 Balance of Payment (BoP) Position

### 3.7 Population Outlook

### 3.8 Urbanisation Trends

## 4 Country Risk Profiles

### 4.1 Country Risk

### 4.2 Business Climate

## 5 Global Calcium Formate Market Analysis

### 5.1 Key Industry Highlights

### 5.2 Global Calcium Formate Historical Market (2018-2024)

### 5.3 Global Calcium Formate Market Forecast (2025-2034)

### 5.4 Global Calcium Formate Market by Grade

#### 5.4.1 Feed Grade

##### 5.4.1.1 Historical Trend (2018-2024)

##### 5.4.1.2 Forecast Trend (2025-2034)

#### 5.4.2 Industrial Grade

##### 5.4.2.1 Historical Trend (2018-2024)

##### 5.4.2.2 Forecast Trend (2025-2034)

### 5.5 Global Calcium Formate Market by Application

#### 5.5.1 Feed Additive

##### 5.5.1.1 Historical Trend (2018-2024)

##### 5.5.1.2 Forecast Trend (2025-2034)

#### 5.5.2 Leather Tanning

##### 5.5.2.1 Historical Trend (2018-2024)

##### 5.5.2.2 Forecast Trend (2025-2034)

#### 5.5.3 Textile Additive

##### 5.5.3.1 Historical Trend (2018-2024)

##### 5.5.3.2 Forecast Trend (2025-2034)

#### 5.5.4 Concrete-Setting Accelerators

##### 5.5.4.1 Historical Trend (2018-2024)

##### 5.5.4.2 Forecast Trend (2025-2034)

#### 5.5.5 Flue Gas Desulphurisation

##### 5.5.5.1 Historical Trend (2018-2024)

##### 5.5.5.2 Forecast Trend (2025-2034)

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- 5.5.6 Drilling Fluids
  - 5.5.6.1 Historical Trend (2018-2024)
  - 5.5.6.2 Forecast Trend (2025-2034)
- 5.5.7 Others
- 5.6 Global Calcium Formate Market by Region
  - 5.6.1 North America
  - 5.6.2 Europe
  - 5.6.3 Asia Pacific
  - 5.6.4 Latin America
  - 5.6.5 Middle East and Africa
- 6 Regional Analysis
  - 6.1 North America
    - 6.1.1 Historical Trend (2018-2024)
    - 6.1.2 Forecast Trend (2025-2034)
    - 6.1.3 Breakup by Country
      - 6.1.3.1 United States of America
      - 6.1.3.2 Canada
  - 6.2 Europe
    - 6.2.1 Historical Trend (2018-2024)
    - 6.2.2 Forecast Trend (2025-2034)
    - 6.2.3 Breakup by Country
      - 6.2.3.1 United Kingdom
      - 6.2.3.2 Germany
      - 6.2.3.3 France
      - 6.2.3.4 Italy
      - 6.2.3.5 Others
  - 6.3 Asia Pacific
    - 6.3.1 Historical Trend (2018-2024)
    - 6.3.2 Forecast Trend (2025-2034)
    - 6.3.3 Breakup by Country
      - 6.3.3.1 China
      - 6.3.3.2 Japan
      - 6.3.3.3 India
      - 6.3.3.4 ASEAN
      - 6.3.3.5 Australia
      - 6.3.3.6 Others
  - 6.4 Latin America
    - 6.4.1 Historical Trend (2018-2024)
    - 6.4.2 Forecast Trend (2025-2034)
    - 6.4.3 Breakup by Country
      - 6.4.3.1 Brazil
      - 6.4.3.2 Argentina
      - 6.4.3.3 Mexico
      - 6.4.3.4 Others
  - 6.5 Middle East and Africa
    - 6.5.1 Historical Trend (2018-2024)
    - 6.5.2 Forecast Trend (2025-2034)

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- 6.5.3 Breakup by Country
  - 6.5.3.1 Saudi Arabia
  - 6.5.3.2 United Arab Emirates
  - 6.5.3.3 Nigeria
  - 6.5.3.4 South Africa
  - 6.5.3.5 Others
- 7 Market Dynamics
  - 7.1 SWOT Analysis
    - 7.1.1 Strengths
    - 7.1.2 Weaknesses
    - 7.1.3 Opportunities
    - 7.1.4 Threats
  - 7.2 Porter's Five Forces Analysis
    - 7.2.1 Supplier's Power
    - 7.2.2 Buyer's Power
    - 7.2.3 Threat of New Entrants
    - 7.2.4 Degree of Rivalry
    - 7.2.5 Threat of Substitutes
  - 7.3 Key Indicators for Demand
  - 7.4 Key Indicators for Price
- 8 Value Chain Analysis
- 9 Price Analysis
  - 9.1 North America Historical Price Trends (2018-2024) and Forecast (2025-2034)
  - 9.2 Europe Historical Price Trends (2018-2024) and Forecast (2025-2034)
  - 9.3 Asia Pacific Historical Price Trends (2018-2024) and Forecast (2025-2034)
  - 9.4 Latin America Historical Price Trends (2018-2024) and Forecast (2025-2034)
  - 9.5 Middle East and Africa Historical Price Trends (2018-2024) and Forecast (2025-2034)
- 10 Competitive Landscape
  - 10.1 Supplier Selection
  - 10.2 Key Global Players
  - 10.3 Key Regional Players
  - 10.4 Key Player Strategies
  - 10.5 Company Profiles
    - 10.5.1 Lanxess AG
      - 10.5.1.1 Company Overview
      - 10.5.1.2 Product Portfolio
      - 10.5.1.3 Demographic Reach and Achievements
      - 10.5.1.4 Certifications
    - 10.5.2 Huanghua Pengfa Chemical Co., Ltd
      - 10.5.2.1 Company Overview
      - 10.5.2.2 Product Portfolio
      - 10.5.2.3 Demographic Reach and Achievements
      - 10.5.2.4 Certifications
    - 10.5.3 Perstorp Holding AB
      - 10.5.3.1 Company Overview
      - 10.5.3.2 Product Portfolio
      - 10.5.3.3 Demographic Reach and Achievements

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- 10.5.3.4 Certifications
- 10.5.4 GEO Specialty Chemicals, Inc
  - 10.5.4.1 Company Overview
  - 10.5.4.2 Product Portfolio
  - 10.5.4.3 Demographic Reach and Achievements
  - 10.5.4.4 Certifications
- 10.5.5 Shandong Baoyuan Chemicals Co., Ltd.
  - 10.5.5.1 Company Overview
  - 10.5.5.2 Product Portfolio
  - 10.5.5.3 Demographic Reach and Achievements
  - 10.5.5.4 Certifications
- 10.5.6 Jiangxi Kosin Frontier Technology Co., Ltd.
  - 10.5.6.1 Company Overview
  - 10.5.6.2 Product Portfolio
  - 10.5.6.3 Demographic Reach and Achievements
  - 10.5.6.4 Certifications
- 10.5.7 Others

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