

Calcium Cyanamide Global Market Insights 2025, Analysis and Forecast to 2030, by Manufacturers, Regions, Technology, Application

<https://marketpublishers.com/r/C2B3A0AAE4ADEN.html>

Date: June 2025

Pages: 77

Price: US\$ 3,200.00 (Single User License)

ID: C2B3A0AAE4ADEN

Abstracts

Calcium Cyanamide Market Summary

Introduction

Calcium Cyanamide is an alkaline fertilizer and agricultural chemical used as a nitrogen source, soil conditioner, herbicide, fungicide, and defoliant, particularly for cotton and acidic soils. The calcium cyanamide industry is characterized by its dual role in enhancing soil fertility and providing pest control, driven by demand for sustainable agricultural solutions and soil remediation. Key trends include the development of integrated formulations with organic waste and eco-friendly production methods to meet environmental standards. The market is propelled by the global need for high-yield agriculture, increasing adoption of sustainable farming practices, and the remediation of acidic soils in emerging markets.

Market Size and Growth Forecast

The global Calcium Cyanamide market was valued at USD 280–530 million in 2024, with an estimated CAGR of 5.0%–7.0% from 2025 to 2030, driven by demand for sustainable fertilizers and agricultural chemicals.

Regional Analysis

North America is projected to grow at a CAGR of 4.8%–6.8%, with the U.S. leading due to its focus on sustainable agriculture and soil health.

Europe is expected to achieve a CAGR of 4.5%–6.5%, with Germany driving demand through its emphasis on eco-friendly fertilizers.

Asia Pacific is anticipated to record the highest growth at 5.5%–7.5%, led by China and India, where agricultural modernization fuels calcium cyanamide demand.

Rest of the World, particularly Brazil, is expected to grow at 4.3%–6.3%, with trends toward soil remediation and cotton production.

Application Analysis

Fertilizer applications are estimated to grow at a CAGR of 5.0%–7.0%, driven by calcium cyanamide's role as a nitrogen source and soil conditioner, with trends toward integrated organic formulations.

Agricultural chemical applications are projected to expand at 4.8%–6.8%, supported by its use as a herbicide and fungicide, with innovations in eco-friendly formulations.

Key Market Players

Denka, headquartered in Tokyo, Japan, produces calcium cyanamide for agriculture, known for its high-quality chemical solutions.

NIPPON CARBIDE INDUSTRIES, based in Tokyo, Japan, offers calcium cyanamide for fertilizers and chemicals, focusing on scalable production.

Alzchem Group AG, headquartered in Trostberg, Germany, provides calcium cyanamide for soil conditioning, emphasizing sustainable agriculture.

Ningxia Taikang, based in Ningxia, China, produces calcium cyanamide for fertilizers, known for its cost-competitive manufacturing.

Ningxia Jiafeng Chemicals, headquartered in Ningxia, China, offers calcium cyanamide for agricultural chemicals, focusing on innovative formulations.

Porter's Five Forces Analysis

The threat of new entrants is moderate; low capital costs attract niche players, but regulatory barriers create challenges.

The threat of substitutes is moderate; alternative nitrogen fertilizers compete, but calcium cyanamide's dual functionality maintains its edge.

Buyer power is high; agricultural buyers prioritize cost, exerting pricing pressure.

Supplier power is low; raw materials for calcium cyanamide are widely available, reducing supplier influence.

Competitive rivalry is moderate; players differentiate through eco-friendly and integrated formulations.

Market Opportunities and Challenges

Opportunities

Rising demand for sustainable agriculture drives calcium cyanamide adoption.

Growth in acidic soil remediation enhances market opportunities.

Emerging markets in Asia Pacific offer expansion potential due to agricultural growth.

Challenges

Limited awareness of calcium cyanamide benefits hinders adoption.

Regulatory scrutiny on chemical fertilizers increases compliance costs.

Competition from synthetic fertilizers challenges market share.

Growth Trend Analysis

The Calcium Cyanamide market is growing steadily, driven by demand for sustainable fertilizers and agricultural chemicals. Calcium cyanamide is a mixture of insoluble

impurities, used as an alkaline nitrogen fertilizer for acidic soils, and as a herbicide, fungicide, and cotton defoliant. Typical formulations include 60–80 parts organic solid waste, 30–70 parts calcium cyanamide, and additives like potassium hydroxide and urea phosphate. This aligns with a projected CAGR of 5.0%–7.0% through 2030, reflecting the growth of sustainable agriculture and soil remediation.

Contents

Table of Contents

CHAPTER 1 EXECUTIVE SUMMARY

CHAPTER 2 ABBREVIATION AND ACRONYMS

CHAPTER 3 PREFACE

3.1 Research Scope

3.2 Research Sources

3.2.1 Data Sources

3.2.2 Assumptions

3.3 Research Method

CHAPTER 4 MARKET LANDSCAPE

4.1 Market Overview

4.2 Classification/Types

4.3 Application/End Users

CHAPTER 5 MARKET TREND ANALYSIS

5.1 Introduction

5.2 Drivers

5.3 Restraints

5.4 Opportunities

5.5 Threats

CHAPTER 6 INDUSTRY CHAIN ANALYSIS

6.1 Upstream/Suppliers Analysis

6.2 Calcium Cyanamide Analysis

6.2.1 Technology Analysis

6.2.2 Cost Analysis

6.2.3 Market Channel Analysis

6.3 Downstream Buyers/End Users

CHAPTER 7 LATEST MARKET DYNAMICS

- 7.1 Latest News
- 7.2 Merger and Acquisition
- 7.3 Planned/Future Project
- 7.4 Policy Dynamics

CHAPTER 8 TRADING ANALYSIS

- 8.1 Export of Calcium Cyanamide by Region
- 8.2 Import of Calcium Cyanamide by Region
- 8.3 Balance of Trade

CHAPTER 9 HISTORICAL AND FORECAST CALCIUM CYANAMIDE MARKET IN NORTH AMERICA (2020-2030)

- 9.1 Calcium Cyanamide Market Size
- 9.2 Calcium Cyanamide Demand by End Use
- 9.3 Competition by Players/Suppliers
- 9.4 Type Segmentation and Price
- 9.5 Key Countries Analysis
 - 9.5.1 United States
 - 9.5.2 Canada
 - 9.5.3 Mexico

CHAPTER 10 HISTORICAL AND FORECAST CALCIUM CYANAMIDE MARKET IN SOUTH AMERICA (2020-2030)

- 10.1 Calcium Cyanamide Market Size
- 10.2 Calcium Cyanamide Demand by End Use
- 10.3 Competition by Players/Suppliers
- 10.4 Type Segmentation and Price
- 10.5 Key Countries Analysis
 - 10.5.1 Brazil
 - 10.5.2 Argentina
 - 10.5.3 Chile
 - 10.5.4 Peru

CHAPTER 11 HISTORICAL AND FORECAST CALCIUM CYANAMIDE MARKET IN

ASIA & PACIFIC (2020-2030)

- 11.1 Calcium Cyanamide Market Size
- 11.2 Calcium Cyanamide Demand by End Use
- 11.3 Competition by Players/Suppliers
- 11.4 Type Segmentation and Price
- 11.5 Key Countries Analysis
 - 11.5.1 China
 - 11.5.2 India
 - 11.5.3 Japan
 - 11.5.4 South Korea
 - 11.5.5 Southeast Asia
 - 11.5.6 Australia

CHAPTER 12 HISTORICAL AND FORECAST CALCIUM CYANAMIDE MARKET IN EUROPE (2020-2030)

- 12.1 Calcium Cyanamide Market Size
- 12.2 Calcium Cyanamide Demand by End Use
- 12.3 Competition by Players/Suppliers
- 12.4 Type Segmentation and Price
- 12.5 Key Countries Analysis
 - 12.5.1 Germany
 - 12.5.2 France
 - 12.5.3 United Kingdom
 - 12.5.4 Italy
 - 12.5.5 Spain
 - 12.5.6 Belgium
 - 12.5.7 Netherlands
 - 12.5.8 Austria
 - 12.5.9 Poland
 - 12.5.10 Russia

CHAPTER 13 HISTORICAL AND FORECAST CALCIUM CYANAMIDE MARKET IN MEA (2020-2030)

- 13.1 Calcium Cyanamide Market Size
- 13.2 Calcium Cyanamide Demand by End Use
- 13.3 Competition by Players/Suppliers

- 13.4 Type Segmentation and Price
- 13.5 Key Countries Analysis
 - 13.5.1 Egypt
 - 13.5.2 Israel
 - 13.5.3 South Africa
 - 13.5.4 Gulf Cooperation Council Countries
 - 13.5.5 Turkey

CHAPTER 14 SUMMARY FOR GLOBAL CALCIUM CYANAMIDE MARKET (2020-2025)

- 14.1 Calcium Cyanamide Market Size
- 14.2 Calcium Cyanamide Demand by End Use
- 14.3 Competition by Players/Suppliers
- 14.4 Type Segmentation and Price

CHAPTER 15 GLOBAL CALCIUM CYANAMIDE MARKET FORECAST (2025-2030)

- 15.1 Calcium Cyanamide Market Size Forecast
- 15.2 Calcium Cyanamide Demand Forecast
- 15.3 Competition by Players/Suppliers
- 15.4 Type Segmentation and Price Forecast

CHAPTER 16 ANALYSIS OF GLOBAL KEY VENDORS

- 16.1 Denka
 - 16.1.1 Company Profile
 - 16.1.2 Main Business and Calcium Cyanamide Information
 - 16.1.3 SWOT Analysis of Denka
 - 16.1.4 Denka Calcium Cyanamide Sales, Revenue, Price and Gross Margin (2020-2025)
- 16.2 NIPPON CARBIDE INDUSTRIES
 - 16.2.1 Company Profile
 - 16.2.2 Main Business and Calcium Cyanamide Information
 - 16.2.3 SWOT Analysis of NIPPON CARBIDE INDUSTRIES
 - 16.2.4 NIPPON CARBIDE INDUSTRIES Calcium Cyanamide Sales, Revenue, Price and Gross Margin (2020-2025)
- 16.3 Alzchem Group AG
 - 16.3.1 Company Profile

16.3.2 Main Business and Calcium Cyanamide Information

16.3.3 SWOT Analysis of Alzchem Group AG

16.3.4 Alzchem Group AG Calcium Cyanamide Sales, Revenue, Price and Gross Margin (2020-2025)

16.4 Ningxia Taikang

16.4.1 Company Profile

16.4.2 Main Business and Calcium Cyanamide Information

16.4.3 SWOT Analysis of Ningxia Taikang

16.4.4 Ningxia Taikang Calcium Cyanamide Sales, Revenue, Price and Gross Margin (2020-2025)

Please ask for sample pages for full companies list

Tables & Figures

TABLES AND FIGURES

Table Abbreviation and Acronyms List
Table Research Scope of Calcium Cyanamide Report
Table Data Sources of Calcium Cyanamide Report
Table Major Assumptions of Calcium Cyanamide Report
Figure Market Size Estimated Method
Figure Major Forecasting Factors
Figure Calcium Cyanamide Picture
Table Calcium Cyanamide Classification
Table Calcium Cyanamide Applications List
Table Drivers of Calcium Cyanamide Market
Table Restraints of Calcium Cyanamide Market
Table Opportunities of Calcium Cyanamide Market
Table Threats of Calcium Cyanamide Market
Table Raw Materials Suppliers List
Table Different Production Methods of Calcium Cyanamide
Table Cost Structure Analysis of Calcium Cyanamide
Table Key End Users List
Table Latest News of Calcium Cyanamide Market
Table Merger and Acquisition List
Table Planned/Future Project of Calcium Cyanamide Market
Table Policy of Calcium Cyanamide Market
Table 2020-2030 Regional Export of Calcium Cyanamide
Table 2020-2030 Regional Import of Calcium Cyanamide
Table 2020-2030 Regional Trade Balance
Figure 2020-2030 Regional Trade Balance
Table 2020-2030 North America Calcium Cyanamide Market Size and Market Volume List
Figure 2020-2030 North America Calcium Cyanamide Market Size and CAGR
Figure 2020-2030 North America Calcium Cyanamide Market Volume and CAGR
Table 2020-2030 North America Calcium Cyanamide Demand List by Application
Table 2020-2025 North America Calcium Cyanamide Key Players Sales List
Table 2020-2025 North America Calcium Cyanamide Key Players Market Share List
Table 2020-2030 North America Calcium Cyanamide Demand List by Type
Table 2020-2025 North America Calcium Cyanamide Price List by Type
Table 2020-2030 United States Calcium Cyanamide Market Size and Market Volume

List

Table 2020-2030 United States Calcium Cyanamide Import & Export List

Table 2020-2030 Canada Calcium Cyanamide Market Size and Market Volume List

Table 2020-2030 Canada Calcium Cyanamide Import & Export List

Table 2020-2030 Mexico Calcium Cyanamide Market Size and Market Volume List

Table 2020-2030 Mexico Calcium Cyanamide Import & Export List

Table 2020-2030 South America Calcium Cyanamide Market Size and Market Volume List

Figure 2020-2030 South America Calcium Cyanamide Market Size and CAGR

Figure 2020-2030 South America Calcium Cyanamide Market Volume and CAGR

Table 2020-2030 South America Calcium Cyanamide Demand List by Application

Table 2020-2025 South America Calcium Cyanamide Key Players Sales List

Table 2020-2025 South America Calcium Cyanamide Key Players Market Share List

Table 2020-2030 South America Calcium Cyanamide Demand List by Type

Table 2020-2025 South America Calcium Cyanamide Price List by Type

Table 2020-2030 Brazil Calcium Cyanamide Market Size and Market Volume List

Table 2020-2030 Brazil Calcium Cyanamide Import & Export List

Table 2020-2030 Argentina Calcium Cyanamide Market Size and Market Volume List

Table 2020-2030 Argentina Calcium Cyanamide Import & Export List

Table 2020-2030 Chile Calcium Cyanamide Market Size and Market Volume List

Table 2020-2030 Chile Calcium Cyanamide Import & Export List

Table 2020-2030 Peru Calcium Cyanamide Market Size and Market Volume List

Table 2020-2030 Peru Calcium Cyanamide Import & Export List

Table 2020-2030 Asia & Pacific Calcium Cyanamide Market Size and Market Volume List

Figure 2020-2030 Asia & Pacific Calcium Cyanamide Market Size and CAGR

Figure 2020-2030 Asia & Pacific Calcium Cyanamide Market Volume and CAGR

Table 2020-2030 Asia & Pacific Calcium Cyanamide Demand List by Application

Table 2020-2025 Asia & Pacific Calcium Cyanamide Key Players Sales List

Table 2020-2025 Asia & Pacific Calcium Cyanamide Key Players Market Share List

Table 2020-2030 Asia & Pacific Calcium Cyanamide Demand List by Type

Table 2020-2025 Asia & Pacific Calcium Cyanamide Price List by Type

Table 2020-2030 China Calcium Cyanamide Market Size and Market Volume List

Table 2020-2030 China Calcium Cyanamide Import & Export List

Table 2020-2030 India Calcium Cyanamide Market Size and Market Volume List

Table 2020-2030 India Calcium Cyanamide Import & Export List

Table 2020-2030 Japan Calcium Cyanamide Market Size and Market Volume List

Table 2020-2030 Japan Calcium Cyanamide Import & Export List

Table 2020-2030 South Korea Calcium Cyanamide Market Size and Market Volume List

Table 2020-2030 South Korea Calcium Cyanamide Import & Export List
Table 2020-2030 Southeast Asia Calcium Cyanamide Market Size List
Table 2020-2030 Southeast Asia Calcium Cyanamide Market Volume List
Table 2020-2030 Southeast Asia Calcium Cyanamide Import List
Table 2020-2030 Southeast Asia Calcium Cyanamide Export List
Table 2020-2030 Australia Calcium Cyanamide Market Size and Market Volume List
Table 2020-2030 Australia Calcium Cyanamide Import & Export List
Table 2020-2030 Europe Calcium Cyanamide Market Size and Market Volume List
Figure 2020-2030 Europe Calcium Cyanamide Market Size and CAGR
Figure 2020-2030 Europe Calcium Cyanamide Market Volume and CAGR
Table 2020-2030 Europe Calcium Cyanamide Demand List by Application
Table 2020-2025 Europe Calcium Cyanamide Key Players Sales List
Table 2020-2025 Europe Calcium Cyanamide Key Players Market Share List
Table 2020-2030 Europe Calcium Cyanamide Demand List by Type
Table 2020-2025 Europe Calcium Cyanamide Price List by Type
Table 2020-2030 Germany Calcium Cyanamide Market Size and Market Volume List
Table 2020-2030 Germany Calcium Cyanamide Import & Export List
Table 2020-2030 France Calcium Cyanamide Market Size and Market Volume List
Table 2020-2030 France Calcium Cyanamide Import & Export List
Table 2020-2030 United Kingdom Calcium Cyanamide Market Size and Market Volume List
Table 2020-2030 United Kingdom Calcium Cyanamide Import & Export List
Table 2020-2030 Italy Calcium Cyanamide Market Size and Market Volume List
Table 2020-2030 Italy Calcium Cyanamide Import & Export List
Table 2020-2030 Spain Calcium Cyanamide Market Size and Market Volume List
Table 2020-2030 Spain Calcium Cyanamide Import & Export List
Table 2020-2030 Belgium Calcium Cyanamide Market Size and Market Volume List
Table 2020-2030 Belgium Calcium Cyanamide Import & Export List
Table 2020-2030 Netherlands Calcium Cyanamide Market Size and Market Volume List
Table 2020-2030 Netherlands Calcium Cyanamide Import & Export List
Table 2020-2030 Austria Calcium Cyanamide Market Size and Market Volume List
Table 2020-2030 Austria Calcium Cyanamide Import & Export List
Table 2020-2030 Poland Calcium Cyanamide Market Size and Market Volume List
Table 2020-2030 Poland Calcium Cyanamide Import & Export List
Table 2020-2030 Russia Calcium Cyanamide Market Size and Market Volume List
Table 2020-2030 Russia Calcium Cyanamide Import & Export List
Table 2020-2030 MEA Calcium Cyanamide Market Size and Market Volume List
Figure 2020-2030 MEA Calcium Cyanamide Market Size and CAGR
Figure 2020-2030 MEA Calcium Cyanamide Market Volume and CAGR

Table 2020-2030 MEA Calcium Cyanamide Demand List by Application
Table 2020-2025 MEA Calcium Cyanamide Key Players Sales List
Table 2020-2025 MEA Calcium Cyanamide Key Players Market Share List
Table 2020-2030 MEA Calcium Cyanamide Demand List by Type
Table 2020-2025 MEA Calcium Cyanamide Price List by Type
Table 2020-2030 Egypt Calcium Cyanamide Market Size and Market Volume List
Table 2020-2030 Egypt Calcium Cyanamide Import & Export List
Table 2020-2030 Israel Calcium Cyanamide Market Size and Market Volume List
Table 2020-2030 Israel Calcium Cyanamide Import & Export List
Table 2020-2030 South Africa Calcium Cyanamide Market Size and Market Volume List
Table 2020-2030 South Africa Calcium Cyanamide Import & Export List
Table 2020-2030 Gulf Cooperation Council Countries Calcium Cyanamide Market Size and Market Volume List
Table 2020-2030 Gulf Cooperation Council Countries Calcium Cyanamide Import & Export List
Table 2020-2030 Turkey Calcium Cyanamide Market Size and Market Volume List
Table 2020-2030 Turkey Calcium Cyanamide Import & Export List
Table 2020-2025 Global Calcium Cyanamide Market Size List by Region
Table 2020-2025 Global Calcium Cyanamide Market Size Share List by Region
Table 2020-2025 Global Calcium Cyanamide Market Volume List by Region
Table 2020-2025 Global Calcium Cyanamide Market Volume Share List by Region
Table 2020-2025 Global Calcium Cyanamide Demand List by Application
Table 2020-2025 Global Calcium Cyanamide Demand Market Share List by Application
Table 2020-2025 Global Calcium Cyanamide Capacity List
Table 2020-2025 Global Calcium Cyanamide Key Vendors Capacity Share List
Table 2020-2025 Global Calcium Cyanamide Key Vendors Production List
Table 2020-2025 Global Calcium Cyanamide Key Vendors Production Share List
Figure 2020-2025 Global Calcium Cyanamide Capacity Production and Growth Rate
Table 2020-2025 Global Calcium Cyanamide Key Vendors Production Value List
Figure 2020-2025 Global Calcium Cyanamide Production Value and Growth Rate
Table 2020-2025 Global Calcium Cyanamide Key Vendors Production Value Share List
Table 2020-2025 Global Calcium Cyanamide Demand List by Type
Table 2020-2025 Global Calcium Cyanamide Demand Market Share List by Type
Table 2020-2025 Regional Calcium Cyanamide Price List
Table 2025-2030 Global Calcium Cyanamide Market Size List by Region
Table 2025-2030 Global Calcium Cyanamide Market Size Share List by Region
Table 2025-2030 Global Calcium Cyanamide Market Volume List by Region
Table 2025-2030 Global Calcium Cyanamide Market Volume Share List by Region
Table 2025-2030 Global Calcium Cyanamide Demand List by Application

Table 2025-2030 Global Calcium Cyanamide Demand Market Share List by Application
Table 2025-2030 Global Calcium Cyanamide Capacity List
Table 2025-2030 Global Calcium Cyanamide Key Vendors Capacity Share List
Table 2025-2030 Global Calcium Cyanamide Key Vendors Production List
Table 2025-2030 Global Calcium Cyanamide Key Vendors Production Share List
Figure 2025-2030 Global Calcium Cyanamide Capacity Production and Growth Rate
Table 2025-2030 Global Calcium Cyanamide Key Vendors Production Value List
Figure 2025-2030 Global Calcium Cyanamide Production Value and Growth Rate
Table 2025-2030 Global Calcium Cyanamide Key Vendors Production Value Share List
Table 2025-2030 Global Calcium Cyanamide Demand List by Type
Table 2025-2030 Global Calcium Cyanamide Demand Market Share List by Type
Table 2025-2030 Calcium Cyanamide Regional Price List
Table Denka Information
Table SWOT Analysis of Denka
Table 2020-2025 Denka Calcium Cyanamide Product Capacity Production Price Cost
Production Value
Figure 2020-2025 Denka Calcium Cyanamide Capacity Production and Growth Rate
Figure 2020-2025 Denka Calcium Cyanamide Market Share
Table NIPPON CARBIDE INDUSTRIES Information
Table SWOT Analysis of NIPPON CARBIDE INDUSTRIES
Table 2020-2025 NIPPON CARBIDE INDUSTRIES Calcium Cyanamide Product
Capacity Production Price Cost Production Value
Figure 2020-2025 NIPPON CARBIDE INDUSTRIES Calcium Cyanamide Capacity
Production and Growth Rate
Figure 2020-2025 NIPPON CARBIDE INDUSTRIES Calcium Cyanamide Market Share
Table Alzchem Group AG Information
Table SWOT Analysis of Alzchem Group AG
Table 2020-2025 Alzchem Group AG Calcium Cyanamide Product Capacity Production
Price Cost Production Value
Figure 2020-2025 Alzchem Group AG Calcium Cyanamide Capacity Production and
Growth Rate
Figure 2020-2025 Alzchem Group AG Calcium Cyanamide Market Share
Table Ningxia Taikang Information
Table SWOT Analysis of Ningxia Taikang
Table 2020-2025 Ningxia Taikang Calcium Cyanamide Product Capacity Production
Price Cost Production Value
Figure 2020-2025 Ningxia Taikang Calcium Cyanamide Capacity Production and
Growth Rate
Figure 2020-2025 Ningxia Taikang Calcium Cyanamide Market Share

Table Ningxia Jiafeng Chemicals Information

Table SWOT Analysis of Ningxia Jiafeng Chemicals

Table 2020-2025 Ningxia Jiafeng Chemicals Calcium Cyanamide Product Capacity

Production Price Cost Production Value

Figure 2020-2025 Ningxia Jiafeng Chemicals Calcium Cyanamide Capacity Production
and Growth Rate

Figure 2020-2025 Ningxia Jiafeng Chemicals Calcium Cyanamide Market Share

.....

I would like to order

Product name: Calcium Cyanamide Global Market Insights 2025, Analysis and Forecast to 2030, by Manufacturers, Regions, Technology, Application

Product link: <https://marketpublishers.com/r/C2B3A0AAE4ADEN.html>

Price: US\$ 3,200.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/C2B3A0AAE4ADEN.html>