

Sodium Orthosilicate Global Market Insights 2025, Analysis and Forecast to 2030, by Manufacturers, Regions, Technology, Application

<https://marketpublishers.com/r/SB9448480F2BEN.html>

Date: June 2025

Pages: 83

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

ID: SB9448480F2BEN

Abstracts

Sodium Orthosilicate Market Summary

Introduction

Sodium Orthosilicate (Na_4SiO_4) is a white, water-soluble inorganic salt known for its strong alkalinity, detergency, and emulsifying properties. It is widely used in industrial detergents, metal degreasing agents, building materials, and other applications, including textile processing and paper de-inking. The sodium orthosilicate industry is characterized by its essential role in industrial cleaning and construction, driven by demand for non-toxic, eco-friendly cleaning agents and durable building materials. Key trends include the development of high-purity grades for specialized applications, automated production processes for efficiency, and sustainable formulations to meet environmental standards. The market is propelled by growth in industrial cleaning, construction, and textile industries, particularly in Asia Pacific and North America.

Market Size and Growth Forecast

The global Sodium Orthosilicate market was valued at USD 150–280 million in 2024, with an estimated CAGR of 5.0%–7.0% from 2025 to 2030, driven by demand in detergents and construction.

Regional Analysis

North America is projected to grow at a CAGR of 4.8%–6.8%, with the U.S. leading due to its industrial cleaning and construction sectors, focusing on eco-friendly sodium

orthosilicate formulations.

Europe is expected to achieve a CAGR of 4.5%–6.5%, with Germany driving demand through its emphasis on sustainable detergents and building materials.

Asia Pacific is anticipated to record the highest growth at 5.5%–7.5%, led by China, where industrial and construction growth fuels demand, with trends toward cost-effective production.

Rest of the World, particularly Brazil, is expected to grow at 4.3%–6.3%, supported by industrial cleaning and construction applications.

Application Analysis

Industrial detergent applications are estimated to grow at a CAGR of 5.3%–7.3%, driven by sodium orthosilicate's use in heavy-duty cleaning, with trends toward eco-friendly formulations.

Metal degreasing agent applications are projected to expand at 5.0%–7.0%, supported by demand in manufacturing, with innovations in high-efficiency cleaners.

Building material applications are expected to grow at 4.8%–6.8%, focusing on cement and refractory additives, with trends toward durable formulations.

Other applications, including textile processing, are anticipated to grow at 4.5%–6.5%, with advancements in eco-friendly processes.

Key Market Players

Nippon Chemical Industrial, headquartered in Tokyo, Japan, produces sodium orthosilicate for detergents and construction, known for its high-quality chemical production.

Qingdao Haiwan Group, based in Qingdao, China, supplies sodium orthosilicate for industrial cleaning, focusing on large-scale production.

Shandong Longgang Silicon Technology, headquartered in Shandong, China, provides sodium orthosilicate for building materials, emphasizing cost-efficient manufacturing.

Porter's Five Forces Analysis

The threat of new entrants is moderate; moderate capital costs attract niche players, but regulatory compliance creates barriers.

The threat of substitutes is moderate; alternative silicates compete, but sodium orthosilicate's strong alkalinity maintains its edge in cleaning applications.

Buyer power is moderate; industrial and construction sectors negotiate pricing, but specialized grades limit their leverage.

Supplier power is low; raw materials like silica are widely available, reducing dependency.

Competitive rivalry is high; players differentiate through eco-friendly and high-purity formulations.

Market Opportunities and Challenges

Opportunities

Growth in industrial cleaning drives sodium orthosilicate demand.

Expansion of construction in emerging markets enhances market opportunities.

Demand for eco-friendly detergents offers growth potential.

Challenges

Regulatory scrutiny on chemical production increases compliance costs.

Competition from alternative cleaning agents challenges market share.

Supply chain disruptions impact raw material availability.

Growth Trend Analysis

The Sodium Orthosilicate market is growing steadily, driven by demand in industrial cleaning and construction. Sodium orthosilicate, a non-toxic, water-soluble powder with strong alkalinity, is used in detergents, metal degreasing, ceramics, refractories, and textile processing due to its emulsifying and buffering properties. These applications align with a projected CAGR of 5.0%–7.0% through 2030, reflecting sodium orthosilicate's role in industrial and construction sectors.

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 Sodium Orthosilicate 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 Sodium Orthosilicate by Region
- 8.2 Import of Sodium Orthosilicate by Region
- 8.3 Balance of Trade

CHAPTER 9 HISTORICAL AND FORECAST SODIUM ORTHOSILICATE MARKET IN NORTH AMERICA (2020-2030)

- 9.1 Sodium Orthosilicate Market Size
- 9.2 Sodium Orthosilicate 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 SODIUM ORTHOSILICATE MARKET IN SOUTH AMERICA (2020-2030)

- 10.1 Sodium Orthosilicate Market Size
- 10.2 Sodium Orthosilicate 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 SODIUM ORTHOSILICATE MARKET

IN ASIA & PACIFIC (2020-2030)

- 11.1 Sodium Orthosilicate Market Size
- 11.2 Sodium Orthosilicate 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 SODIUM ORTHOSILICATE MARKET IN EUROPE (2020-2030)

- 12.1 Sodium Orthosilicate Market Size
- 12.2 Sodium Orthosilicate 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 SODIUM ORTHOSILICATE MARKET IN MEA (2020-2030)

- 13.1 Sodium Orthosilicate Market Size
- 13.2 Sodium Orthosilicate 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 SODIUM ORTHOSILICATE MARKET (2020-2025)

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

CHAPTER 15 GLOBAL SODIUM ORTHOSILICATE MARKET FORECAST (2025-2030)

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

CHAPTER 16 ANALYSIS OF GLOBAL KEY VENDORS

- 16.1 Nippon Chemical Industrial
 - 16.1.1 Company Profile
 - 16.1.2 Main Business and Sodium Orthosilicate Information
 - 16.1.3 SWOT Analysis of Nippon Chemical Industrial
 - 16.1.4 Nippon Chemical Industrial Sodium Orthosilicate Sales, Revenue, Price and Gross Margin (2020-2025)
- 16.2 Qingdao Haiwan Group
 - 16.2.1 Company Profile
 - 16.2.2 Main Business and Sodium Orthosilicate Information
 - 16.2.3 SWOT Analysis of Qingdao Haiwan Group
 - 16.2.4 Qingdao Haiwan Group Sodium Orthosilicate Sales, Revenue, Price and Gross Margin (2020-2025)
- 16.3 Shandong Longgang Silicon Technology

16.3.1 Company Profile

16.3.2 Main Business and Sodium Orthosilicate Information

16.3.3 SWOT Analysis of Shandong Longgang Silicon Technology

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

List

Table 2020-2030 United States Sodium Orthosilicate Import & Export List

Table 2020-2030 Canada Sodium Orthosilicate Market Size and Market Volume List

Table 2020-2030 Canada Sodium Orthosilicate Import & Export List

Table 2020-2030 Mexico Sodium Orthosilicate Market Size and Market Volume List

Table 2020-2030 Mexico Sodium Orthosilicate Import & Export List

Table 2020-2030 South America Sodium Orthosilicate Market Size and Market Volume List

Figure 2020-2030 South America Sodium Orthosilicate Market Size and CAGR

Figure 2020-2030 South America Sodium Orthosilicate Market Volume and CAGR

Table 2020-2030 South America Sodium Orthosilicate Demand List by Application

Table 2020-2025 South America Sodium Orthosilicate Key Players Sales List

Table 2020-2025 South America Sodium Orthosilicate Key Players Market Share List

Table 2020-2030 South America Sodium Orthosilicate Demand List by Type

Table 2020-2025 South America Sodium Orthosilicate Price List by Type

Table 2020-2030 Brazil Sodium Orthosilicate Market Size and Market Volume List

Table 2020-2030 Brazil Sodium Orthosilicate Import & Export List

Table 2020-2030 Argentina Sodium Orthosilicate Market Size and Market Volume List

Table 2020-2030 Argentina Sodium Orthosilicate Import & Export List

Table 2020-2030 Chile Sodium Orthosilicate Market Size and Market Volume List

Table 2020-2030 Chile Sodium Orthosilicate Import & Export List

Table 2020-2030 Peru Sodium Orthosilicate Market Size and Market Volume List

Table 2020-2030 Peru Sodium Orthosilicate Import & Export List

Table 2020-2030 Asia & Pacific Sodium Orthosilicate Market Size and Market Volume List

Figure 2020-2030 Asia & Pacific Sodium Orthosilicate Market Size and CAGR

Figure 2020-2030 Asia & Pacific Sodium Orthosilicate Market Volume and CAGR

Table 2020-2030 Asia & Pacific Sodium Orthosilicate Demand List by Application

Table 2020-2025 Asia & Pacific Sodium Orthosilicate Key Players Sales List

Table 2020-2025 Asia & Pacific Sodium Orthosilicate Key Players Market Share List

Table 2020-2030 Asia & Pacific Sodium Orthosilicate Demand List by Type

Table 2020-2025 Asia & Pacific Sodium Orthosilicate Price List by Type

Table 2020-2030 China Sodium Orthosilicate Market Size and Market Volume List

Table 2020-2030 China Sodium Orthosilicate Import & Export List

Table 2020-2030 India Sodium Orthosilicate Market Size and Market Volume List

Table 2020-2030 India Sodium Orthosilicate Import & Export List

Table 2020-2030 Japan Sodium Orthosilicate Market Size and Market Volume List

Table 2020-2030 Japan Sodium Orthosilicate Import & Export List

Table 2020-2030 South Korea Sodium Orthosilicate Market Size and Market Volume

List

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

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

Table 2025-2030 Global Sodium Orthosilicate Market Volume List by Region
Table 2025-2030 Global Sodium Orthosilicate Market Volume Share List by Region
Table 2025-2030 Global Sodium Orthosilicate Demand List by Application
Table 2025-2030 Global Sodium Orthosilicate Demand Market Share List by Application
Table 2025-2030 Global Sodium Orthosilicate Capacity List
Table 2025-2030 Global Sodium Orthosilicate Key Vendors Capacity Share List
Table 2025-2030 Global Sodium Orthosilicate Key Vendors Production List
Table 2025-2030 Global Sodium Orthosilicate Key Vendors Production Share List
Figure 2025-2030 Global Sodium Orthosilicate Capacity Production and Growth Rate
Table 2025-2030 Global Sodium Orthosilicate Key Vendors Production Value List
Figure 2025-2030 Global Sodium Orthosilicate Production Value and Growth Rate
Table 2025-2030 Global Sodium Orthosilicate Key Vendors Production Value Share List
Table 2025-2030 Global Sodium Orthosilicate Demand List by Type
Table 2025-2030 Global Sodium Orthosilicate Demand Market Share List by Type
Table 2025-2030 Sodium Orthosilicate Regional Price List
Table Nippon Chemical Industrial Information
Table SWOT Analysis of Nippon Chemical Industrial
Table 2020-2025 Nippon Chemical Industrial Sodium Orthosilicate Product Capacity Production Price Cost Production Value
Figure 2020-2025 Nippon Chemical Industrial Sodium Orthosilicate Capacity Production and Growth Rate
Figure 2020-2025 Nippon Chemical Industrial Sodium Orthosilicate Market Share
Table Qingdao Haiwan Group Information
Table SWOT Analysis of Qingdao Haiwan Group
Table 2020-2025 Qingdao Haiwan Group Sodium Orthosilicate Product Capacity Production Price Cost Production Value
Figure 2020-2025 Qingdao Haiwan Group Sodium Orthosilicate Capacity Production and Growth Rate
Figure 2020-2025 Qingdao Haiwan Group Sodium Orthosilicate Market Share
Table Shandong Longgang Silicon Technology Information
Table SWOT Analysis of Shandong Longgang Silicon Technology
Table 2020-2025 Shandong Longgang Silicon Technology Sodium Orthosilicate Product Capacity Production Price Cost Production Value
Figure 2020-2025 Shandong Longgang Silicon Technology Sodium Orthosilicate Capacity Production and Growth Rate
Figure 2020-2025 Shandong Longgang Silicon Technology Sodium Orthosilicate Market Share

.....

I would like to order

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

Product link: <https://marketpublishers.com/r/SB9448480F2BEN.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/SB9448480F2BEN.html>