

Precipitated Silica Market by Application (Rubber, Food, Plastics, Battery Separator, Others), End-Use Industry (Automobile, Cosmetics, Electronics, Agriculture), Grade (Rubber, Food, Industrial, Cosmetic), and Region - Global Forecast to 2030

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Abstracts

The global precipitated silica market is projected to grow from USD 4.20 billion in 2024 to USD 5.90 billion by 2030, at a CAGR of 5.8% from 2024 to 2030. One of the significant drivers of the precipitated silica is a growing automotive market. The development of the automotive sector has highly influenced the global market of precipitated silicas. Increased automobile production, especially in developing regions, raises demand for high-performance tires, requiring enhancing parameters in a wide application such as fuel efficiency, grip, and, most importantly, low rolling resistance often demanded of today's new eco-friendly tires. These enhanced parameters include all important criteria for making an important ingredient in tire manufacturing-product precipitated silica. The manufacture of low rolling-resistance or “green” tires is increasing rapidly, and these green tires contain more precipitated silica than normal tires. The increasing demand for green tires mainly from sustainability drivers and the regulatory push for reduced CO2 emissions is further boosting the precipitated silica market. Moreover, the automotive sector is also focused on improving tire performance and durability; hence, the demand for precipitated silica is projected to continue strengthening, thus contributing significantly to the overall growth of the market.

“By application, the rubber segment is estimated to be the largest segment of the precipitated silica market from 2024 to 2030.”

The rubber segment recorded to be the largest segment in the global precipitated silica market due to its extensive use in tire manufacturing, industrial rubber products, and

footwear. Due to the rising demand for high-performance, fuel-efficient, and eco-friendly tires, precipitated silica is swiftly being adopted as a reinforcing filler to replace carbon black. The regulations encouraging low rolling resistance and reduced CO₂ emissions have further hastened the shift to silica-based green tires, particularly in Europe, North America, and Asia-Pacific. Besides, the demand has received further impetus from the growing automotive sector attributed to rising vehicle production and the EV boom. On top of this, industrial rubber applications for hoses, belts, and seals have been heavily relying on precipitated silica for enhancing durability and flexibility.

“By grade, rubber grade is estimated to be the largest segment of the precipitated silica market from 2024 to 2030 by CAGR.”

Due to its extensive use in tire manufacturing and industrial rubber application, the rubber grade segment is estimated to be the largest in global precipitated silica market. Precipitated silica is an important reinforcing filler that imparts strength and durability for better performance of rubber products and is thus an important ingredient in tires that are fuel-efficient and high-performance. With the growth of the automotive industry, more specifically in the EV market, came the demand for low rolling resistance tires, which favor fuel efficiency and CO₂ emission reductions. Furthermore, increased stringent environmental regulations promoting eco-friendly and sustainable materials have pushed tire manufacturers to replace carbon black with precipitated silica in green tires. Beyond automotive tires, industrial rubber goods, conveyor belts, seals, and footwear soles also use silica, improving flexibility and wear resistance. With rising infrastructure development and industrialization, the rubber grade segment is, in the coming years, set to dominate the market.

“The Asia Pacific region's precipitated silica market is projected to have the highest share in 2024.”

Strong manufacturing bases across the region, rapid industrialization, and high demand across key end-use industries are some of the major factors for the Asia-Pacific region dominating the precipitated silica market. Nations like China, India, and Japan are leading in automotive production and thus the demand for precipitated silica, in tires, for the augmentation of fuel efficiency and durability. In addition, the region's pharmaceuticals as well as personal care and the food industry is growing, where silica is being used as anti-caking, thickening, and reinforcing agents. Additionally, low-cost labor, availability of raw materials, and favorable government policies have transformed the Asia-Pacific region into an energetic silica capital of the world. Tightening emission norms have evidently contributed to the increased market activity resulting from the

growing popularity of eco-friendly and high-performance vehicle tires.

Profile break-up of primary participants for the report:

By Company Type: Tier 1 – 40%, Tier 2 – 20%, and Tier 3 – 40%

By Designation: C-level Executives – 10%, Directors – 70%, and Others – 20%

By Region: North America – 20%, Europe – 20%, Asia Pacific – 45%, South America – 10%, and Middle East & Asia – 5%

The precipitated silica report is dominated by players such as

Evonik Industries AG (Germany), QEMETICA (Poland), Solvay (Belgium), Madhu Silica Pvt. Ltd. (India), Oriental Silicas Corporation (Taiwan), W.R. Grace & Co (Peru), Tosoh Silica Corporation (Japan), Tata Chemicals Ltd. (India), Anten Chemical Co., Ltd. (China), PQ Corporation (US), IQE Group (Spain), Glassven C.A. (Venezuela), Supersil Chemicals (I) Pvt. Ltd. (India), MLA Group (India), Fuji Silysia Chemical Limited (Japan), and others.

Research Coverage:

The report defines, segments, and projects the precipitated silica market size based on Grade, Process, Application, End-Use Industry and Region. It strategically profiles the key players and comprehensively analyzes their market share and core competencies. It also tracks and analyzes competitive developments, such as expansions, agreements, and acquisitions undertaken by them in the market.

Reasons to Buy the Report:

The report is expected to help the market leaders/new entrants by providing them with the closest approximations of revenue numbers of the precipitated silica market and its segments. This report is also expected to help stakeholder businesses and the market's competitive landscape better, gain insights to improve the position of their companies, and make suitable go-to-market strategies. It also enables stakeholders to understand the market's pulse and provides information on key market drivers, restraints, challenges, and opportunities.

The report provides insights on the following pointers:

Analysis of key drivers (Increasing demand from rubber and tire industries and expansion in cosmetics and personal care industry), restraints (Environmental and regulatory challenges, health and safety concerns), opportunities (Increasing demand for processed and packaged foods and expansion in electric vehicle (EV) industry), and challenges (Volatility in raw material supply and competition from substitutes) influencing the growth of the precipitated silica market.

New Product and Innovation: The report includes detailed analysis of latest products of precipitated silica (Circular Silica, Rice Husk Ash-derived Silica, ULTRASIL 7800 GR) and innovations (Processing and Characterization of EPDM Rubber/Silica Compound, New Dolomitization Process Linked to High Silica Concentration)

Market Development: Comprehensive information about lucrative markets – the report analyses

The precipitated silica market is across varied regions.

Market Diversification: Exhaustive information about new products & services, untapped

geographies, recent developments, and investments in the precipitated silica market.

Competitive Assessment: In-depth assessment of market shares, growth strategies, and service

offerings of leading players Evonik Industries AG (Germany), QEMETICA (Poland), Solvay (Belgium), Madhu Silica Pvt. Ltd. (India), Oriental Silicas Corporation (Taiwan), W.R. Grace & Co (Peru), Tosoh Silica Corporation (Japan), Tata Chemicals Ltd. (India), Anten Chemical Co., Ltd. (China), PQ Corporation (US), IQE Group (Spain), Glassven C.A. (Venezuela), Supersil Chemicals (I) Pvt. Ltd. (India), MLA Group (India), Fuji Silysia Chemical Limited (Japan) are among the key players leading the market through their innovative offerings, enhanced production capacities, and efficient distribution channels.

Contents

1 INTRODUCTION

- 1.1 STUDY OBJECTIVES
- 1.2 MARKET DEFINITION
- 1.3 STUDY SCOPE
 - 1.3.1 MARKETS COVERED AND REGIONAL SPREAD
 - 1.3.2 INCLUSIONS AND EXCLUSIONS
 - 1.3.3 YEARS CONSIDERED
 - 1.3.4 CURRENCY CONSIDERED
 - 1.3.5 UNIT CONSIDERED
- 1.4 LIMITATIONS
- 1.5 STAKEHOLDERS
- 1.6 SUMMARY OF CHANGES

2 RESEARCH METHODOLOGY

- 2.1 RESEARCH DATA
 - 2.1.1 SECONDARY DATA
 - 2.1.1.1 Key data from secondary sources
 - 2.1.2 PRIMARY DATA
 - 2.1.2.1 Key data from primary sources
 - 2.1.2.2 List of primary participants
 - 2.1.2.3 Breakdown of interviews with experts
- 2.2 MARKET SIZE ESTIMATION
 - 2.2.1 CALCULATIONS FOR SUPPLY-SIDE ANALYSIS
 - 2.2.2 MARKET ENGINEERING PROCESS
 - 2.2.3 BOTTOM-UP APPROACH
 - 2.2.4 TOP-DOWN APPROACH
- 2.3 MARKET BREAKDOWN AND DATA TRIANGULATION
- 2.4 RESEARCH ASSUMPTIONS
- 2.5 RISK ASSESSMENT
- 2.6 RESEARCH LIMITATIONS

3 EXECUTIVE SUMMARY

4 PREMIUM INSIGHTS

4.1 ATTRACTIVE OPPORTUNITIES FOR PLAYERS IN PRECIPITATED SILICA MARKET

4.2 PRECIPITATED SILICA MARKET, BY REGION

4.3 PRECIPITATED SILICA MARKET, BY GRADE

4.4 PRECIPITATED SILICA MARKET, BY END-USE INDUSTRY

4.5 PRECIPITATED SILICA MARKET, BY KEY COUNTRY

5 MARKET OVERVIEW

5.1 MARKET DYNAMICS

5.1.1 DRIVERS

5.1.1.1 Increasing demand from rubber and tire industries

5.1.1.2 Increased agricultural applications

5.1.1.3 Expansion in cosmetics and personal care industry

5.1.2 RESTRAINTS

5.1.2.1 Environmental and regulatory challenges

5.1.2.2 Health and safety concerns

5.1.3 OPPORTUNITIES

5.1.3.1 Increasing demand for processed and packaged foods

5.1.3.2 Expansion in electric vehicle (EV) market

5.1.4 CHALLENGES

5.1.4.1 Volatility in raw material supply

5.1.4.2 Competition from substitutes

5.2 PORTER'S FIVE FORCES ANALYSIS

5.2.1 INTENSITY OF COMPETITIVE RIVALRY

5.2.2 BARGAINING POWER OF BUYERS

5.2.3 BARGAINING POWER OF SUPPLIERS

5.2.4 THREAT OF SUBSTITUTES

5.2.5 THREAT OF NEW ENTRANTS

5.3 VALUE CHAIN ANALYSIS

5.3.1 RAW MATERIAL SUPPLIERS

5.3.2 PRECIPITATED SILICA MARKET MANUFACTURERS

5.3.3 PRECIPITATED SILICA MARKET DISTRIBUTORS

5.3.4 PRECIPITATED SILICA MARKET END USERS

5.4 ECOSYSTEM ANALYSIS

5.4.1 KEY TECHNOLOGY

5.4.1.1 Wet chemical precipitation process

5.4.1.2 Surface modification and functionalization

5.4.2 ADJACENT TECHNOLOGY

- 5.4.2.1 Green & sustainable silica production from biomass or waste materials
- 5.4.2.2 Advanced nanostructured silica for high-performance applications
- 5.4.3 COMPLEMENTARY TECHNOLOGY
 - 5.4.3.1 High-performance rubber compounding for tire & industrial applications
 - 5.4.3.2 Silica-based anti-caking & flow improvement technologies for food & agrochemicals
- 5.5 CASE STUDY ANALYSIS
 - 5.5.1 PRECIPITATED SILICA IN FOOD MANUFACTURING
- 5.6 PATENT ANALYSIS
 - 5.6.1 METHODOLOGY
 - 5.6.2 LIST OF MAJOR PATENTS
- 5.7 KEY CONFERENCES & EVENTS IN 2025
- 5.8 TRENDS/DISRUPTIONS IMPACTING CUSTOMER BUSINESS
- 5.9 TRADE ANALYSIS
 - 5.9.1 IMPORT SCENARIO
 - 5.9.2 EXPORT SCENARIO
- 5.10 REGULATORY LANDSCAPE
 - 5.10.1 KEY REGULATIONS
 - 5.10.2 REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS
- 5.11 PRICING ANALYSIS
 - 5.11.1 AVERAGE SELLING PRICE TREND, BY APPLICATION, 2021–2024
 - 5.11.2 AVERAGE SELLING PRICE TREND, BY GRADE, 2021–2024
 - 5.11.3 AVERAGE SELLING PRICE TREND, BY REGION, 2021–2024
- 5.12 KEY STAKEHOLDERS AND BUYING CRITERIA
 - 5.12.1 KEY STAKEHOLDERS IN BUYING PROCESS
 - 5.12.2 BUYING CRITERIA
- 5.13 GLOBAL MACROECONOMIC OUTLOOK
 - 5.13.1 GDP
- 5.14 INVESTMENT AND FUNDING SCENARIO
- 5.15 IMPACT OF AI/GEN AI IN PRECIPITATED SILICA MARKET

6 PRECIPITATED SILICA MARKET, BY END-USE INDUSTRY

- 6.1 INTRODUCTION
- 6.2 AUTOMOTIVE
- 6.3 COSMETICS
- 6.4 AGRICULTURE
- 6.5 ELECTRONICS

6.6 OTHER END-USE INDUSTRIES

7 PRECIPITATED SILICA MARKET, BY APPLICATION

7.1 INTRODUCTION

7.2 RUBBER

7.3 FOOD

7.4 BATTERY SEPARATOR

7.5 ANIMAL & POULTRY FEED

7.6 PESTICIDES

7.7 PLASTICS

7.8 PAPER & TEXTILE

7.9 OTHER APPLICATIONS

8 PRECIPITATED SILICA MARKET, BY GRADE

8.1 INTRODUCTION

8.2 RUBBER GRADE

8.3 FOOD GRADE

8.4 INDUSTRIAL GRADE

8.5 COSMETIC GRADE

9 PRECIPITATED SILICA MARKET, BY PROCESS

9.1 INTRODUCTION

9.2 DRY PROCESS

9.3 WET PROCESS

10 PRECIPITATED SILICA MARKET, BY REGION

10.1 INTRODUCTION

10.2 ASIA PACIFIC

10.2.1 CHINA

10.2.1.1 Rising automotive manufacturing and stringent environmental regulations to boost market

10.2.2 INDIA

10.2.2.1 Growing demand for pesticides and rising automotive industry to support market growth

10.2.3 JAPAN

10.2.3.1 Governmental initiatives and rising demand from electronics sectors to grow market

10.2.4 SOUTH KOREA

10.2.4.1 Technological advancement and rising EV industry to boost market growth

10.2.5 AUSTRALIA

10.2.5.1 Rising agriculture and paints & coatings sectors to drive demand

10.2.6 THAILAND

10.2.6.1 Growing tire industry and government initiatives to drive market growth

10.2.7 REST OF ASIA PACIFIC

10.3 EUROPE

10.3.1 GERMANY

10.3.1.1 Growing use in automotive industry, green energy initiatives , and government sustainability policies to drive market

10.3.2 UK

10.3.2.1 Regulatory shifts, sustainability mandates, and advancements in EV and battery technologies to drive market

10.3.3 FRANCE

10.3.3.1 Sustainability-driven regulations, automotive industry advancements, and innovations in agriculture and pharmaceuticals to drive market

10.3.4 ITALY

10.3.4.1 Strong automotive, tire manufacturing, and cosmetics industries to drive market

10.3.5 SPAIN

10.3.5.1 Automotive, tire manufacturing, agriculture, and coatings industries to drive market

10.3.6 REST OF EUROPE

10.4 NORTH AMERICA

10.4.1 US

10.4.1.1 Advancements in automotive, tire manufacturing, pharmaceuticals, and high-performance coatings to drive market

10.4.2 CANADA

10.4.2.1 Rising automotive and construction industries along with favorable government initiatives to drive market growth

10.4.3 MEXICO

10.4.3.1 Rising disposable income and growth in personal care and cosmetic sectors to drive market

10.5 MIDDLE EAST & AFRICA

10.5.1 SAUDI ARABIA

10.5.1.1 Industrial diversification, agriculture modernization, and increasing

construction sector to drive market

10.5.2 UAE

10.5.2.1 Growing coating, food processing, and pharmaceutical sectors to drive market

10.5.3 REST OF GCC COUNTRIES

10.5.4 SOUTH AFRICA

10.5.4.1 Rising demand from key industries such as automotive, food and beverages, agriculture, and personal care to drive market

10.5.5 REST OF MIDDLE EAST & AFRICA

10.6 SOUTH AMERICA

10.6.1 BRAZIL

10.6.1.1 Growing adoption of precipitated silica in diverse applications to drive market

10.6.2 ARGENTINA

10.6.2.1 Growing use in rubber, plastics, and personal care sector to drive market

10.6.3 CHILE

10.6.3.1 Government initiatives and eco-friendly trends to boost market growth

10.6.4 REST OF SOUTH AMERICA

11 COMPETITIVE LANDSCAPE

11.1 INTRODUCTION

11.2 KEY PLAYER STRATEGY/RIGHT TO WIN, 2021-2025

11.2.1 OVERVIEW OF STRATEGIES ADOPTED BY PLAYERS IN PRECIPITATED SILICA MARKET, 2021–2025

11.3 REVENUE ANALYSIS, 2021–2023

11.4 MARKET SHARE ANALYSIS, 2023

11.4.1 RANKING OF KEY MARKET PLAYERS, 2023

11.5 PRODUCT COMPARISON

11.6 COMPANY VALUATION AND FINANCIAL METRICS

11.6.1 COMPANY VALUATION

11.7 COMPANY EVALUATION MATRIX: KEY PLAYERS, 2023

11.7.1 STARS

11.7.2 EMERGING LEADERS

11.7.3 PERVASIVE PLAYERS

11.7.4 PARTICIPANTS

11.7.5 COMPANY FOOTPRINT, KEY PLAYERS, 2023

11.7.5.1 Company footprint

11.7.5.2 Region footprint

11.7.5.3 Grade footprint

11.7.5.4 Application footprint

11.7.5.5 End-use industry footprint

11.8 COMPANY EVALUATION MATRIX: STARTUPS/SMES, 2023

11.8.1 PROGRESSIVE COMPANIES

11.8.2 RESPONSIVE COMPANIES

11.8.3 DYNAMIC COMPANIES

11.8.4 STARTING BLOCKS

11.8.5 COMPETITIVE BENCHMARKING OF STARTUP/SME PLAYERS, 2023

11.9 COMPETITIVE SCENARIO

11.9.1 DEALS

11.9.2 EXPANSIONS

12 COMPANY PROFILES

12.1 KEY PLAYERS

12.1.1 EVONIK INDUSTRIES AG

12.1.1.1 Business overview

12.1.1.2 Products offered

12.1.1.3 Recent developments

12.1.1.3.1 Deals

12.1.1.3.2 Expansions

12.1.2 SOLVAY

12.1.2.1 Business overview

12.1.2.2 Products offered

12.1.2.3 Recent developments

12.1.2.3.1 Expansions

12.1.3 TATA CHEMICALS LTD

12.1.3.1 Business overview

12.1.3.2 Products offered

12.1.3.3 Recent developments

12.1.3.3.1 Deals

12.1.3.3.2 Expansions

12.1.4 QEMETICA

12.1.4.1 Business overview

12.1.4.2 Products offered

12.1.4.3 Recent developments

12.1.4.3.1 Deals

12.1.5 W. R. GRACE & CO

12.1.5.1 Business overview

- 12.1.5.2 Products offered
- 12.1.6 IQE GROUP
 - 12.1.6.1 Business overview
 - 12.1.6.2 Products offered
- 12.1.7 PQ CORPORATION
 - 12.1.7.1 Business overview
 - 12.1.7.2 Products offered
 - 12.1.7.3 Recent developments
 - 12.1.7.3.1 Deals
 - 12.1.7.3.2 Expansions
- 12.1.8 TOSOH SILICA CORPORATION
 - 12.1.8.1 Business overview
 - 12.1.8.2 Products offered
- 12.1.9 MADHU SILICA PVT. LTD
 - 12.1.9.1 Business overview
 - 12.1.9.2 Products offered
- 12.1.10 ANTEN CHEMICAL CO., LTD
 - 12.1.10.1 Business overview
 - 12.1.10.2 Product offered
- 12.1.11 ORIENTAL SILICAS CORPORATION
 - 12.1.11.1 Business overview
 - 12.1.11.2 Products offered
- 12.1.12 GLASSVEN CA
 - 12.1.12.1 Business overview
 - 12.1.12.2 Products offered
- 12.1.13 SUPERSIL CHEMICALS (I) PVT. LTD.
 - 12.1.13.1 Business overview
 - 12.1.13.2 Products offered
- 12.1.14 MLA GROUP
 - 12.1.14.1 Business overview
 - 12.1.14.2 Products offered
- 12.1.15 FUJI SILYSIA CHEMICAL LTD
 - 12.1.15.1 Business overview
 - 12.1.15.2 Products offered
- 12.2 OTHER PLAYERS
 - 12.2.1 MULTISORB
 - 12.2.2 SUNSHINE INDUSTRIES
 - 12.2.3 JINSHA PRECIPITATED SILICA MANUFACTURING CO., LTD.
 - 12.2.4 HISILCO

- 12.2.5 REGOJ CHEMICAL INDUSTRIES
- 12.2.6 TRIVENI CHEMICALS
- 12.2.7 DURGA CHEMICAL INDUSTRIES
- 12.2.8 KADVANI CHEMICALS PVT. LTD.

13 ADJACENT AND RELATED MARKETS

- 13.1 INTRODUCTION
- 13.2 LIMITATIONS
- 13.3 INTERCONNECTED MARKETS
- 13.4 AEROGEL MARKET - GLOBAL FORECAST TO 2029
 - 13.4.1 MARKET DEFINITION
 - 13.4.2 MARKET OVERVIEW
 - 13.4.3 AEROGEL MARKET, BY TYPE
- 13.5 SILICA
 - 13.5.1 HIGH THERMAL INSULATION AND LIGHTWEIGHT PROPERTIES OF SILICA AEROGELS TO INCREASE ADOPTION
- 13.6 POLYMER
 - 13.6.1 ENHANCED MECHANICAL STRENGTH, FLEXIBILITY, AND THERMAL STABILITY, TO DRIVE USE IN INSULATION, AEROSPACE, AND ENERGY STORAGE APPLICATIONS
- 13.7 CARBON
 - 13.7.1 SUPERIOR THERMAL EFFICIENCY AND SUSTAINABILITY BENEFITS TO DRIVE MARKET
- 13.8 OTHER AEROGELS

14 APPENDIX

- 14.1 DISCUSSION GUIDE
- 14.2 KNOWLEDGESTORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL
- 14.3 CUSTOMIZATION OPTIONS
- 14.4 RELATED REPORTS
- 14.5 AUTHOR DETAILS
- TABLE 1 PRECIPITATED SILICA MARKET: RESEARCH ASSUMPTIONS
- TABLE 2 PRECIPITATED SILICA MARKET SNAPSHOT, 2024 AND 2030
- TABLE 3 PRECIPITATED SILICA MARKET: PORTER'S FIVE FORCES ANALYSIS
- TABLE 4 PRECIPITATED SILICA MARKET: ROLE IN ECOSYSTEM
- TABLE 5 LIST OF MAJOR PATENTS
- TABLE 6 PRECIPITATED SILICA MARKET: KEY CONFERENCES & EVENTS, 2025

TABLE 7 NORTH AMERICA: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 8 ASIA PACIFIC: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 9 EUROPE: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 10 AVERAGE SELLING PRICE TREND OF PRECIPITATED SILICA, BY APPLICATION, 2021–2024 (USD/TON)

TABLE 11 AVERAGE SELLING PRICE TREND OF PRECIPITATED SILICA, BY GRADE,

2021–2024 (USD/TON)

TABLE 12 AVERAGE SELLING PRICE TREND OF PRECIPITATED SILICA, BY REGION,

2021–2024 (USD/TON)

TABLE 13 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR MAJOR APPLICATIONS (%)

TABLE 14 KEY BUYING CRITERIA FOR TOP THREE APPLICATIONS

TABLE 15 REAL GDP GROWTH (ANNUAL PERCENTAGE CHANGE), BY COUNTRY, 2021–2023

TABLE 16 UNEMPLOYMENT RATE, BY COUNTRY, 2021–2023

TABLE 17 INFLATION RATE (AVERAGE CONSUMER PRICES), BY COUNTRY, 2021–2023

TABLE 18 FOREIGN DIRECT INVESTMENT, 2022–2023

TABLE 19 PRECIPITATED SILICA MARKET, BY END-USE INDUSTRY, 2021–2023 (KILOTON)

TABLE 20 PRECIPITATED SILICA MARKET, BY END-USE INDUSTRY, 2024–2030 (KILOTON)

TABLE 21 PRECIPITATED SILICA MARKET FOR AUTOMOTIVE, BY REGION,

2021–2023 (KILOTON)

TABLE 22 PRECIPITATED SILICA MARKET FOR AUTOMOTIVE, BY REGION,

2024–2030 (KILOTON)

TABLE 23 PRECIPITATED SILICA MARKET FOR COSMETICS, BY REGION,
2021–2023 (KILOTON)

TABLE 24 PRECIPITATED SILICA MARKET FOR COSMETICS, BY REGION,
2024–2030 (KILOTON)

TABLE 25 PRECIPITATED SILICA MARKET FOR AGRICULTURAL, BY REGION,
2021–2023 (KILOTON)

TABLE 26 PRECIPITATED SILICA MARKET FOR AGRICULTURAL, BY REGION,
2024–2030 (KILOTON)

TABLE 27 PRECIPITATED SILICA MARKET FOR ELECTRONICS, BY REGION,
2021–2023 (KILOTON)

TABLE 28 PRECIPITATED SILICA MARKET FOR ELECTRONICS, BY REGION,
2024–2030 (KILOTON)

TABLE 29 PRECIPITATED SILICA MARKET FOR END-USE INDUSTRY, BY REGION,
2021–2023 (KILOTON)

TABLE 30 PRECIPITATED SILICA MARKET FOR END-USE INDUSTRY, BY REGION,
2024–2030 (KILOTON)

TABLE 31 PRECIPITATED SILICA MARKET, BY APPLICATION, 2021–2023
(KILOTON)

TABLE 32 PRECIPITATED SILICA MARKET, BY APPLICATION, 2024–2030
(KILOTON)

TABLE 33 PRECIPITATED SILICA MARKET, BY APPLICATION, 2021–2023 (USD
MILLION)

TABLE 34 PRECIPITATED SILICA MARKET, BY APPLICATION, 2024–2030 (USD

MILLION)

TABLE 35 PRECIPITATED SILICA MARKET FOR RUBBER, BY REGION, 2021–2023
(KILOTON)

TABLE 36 PRECIPITATED SILICA MARKET FOR RUBBER, BY END-USE
INDUSTRY,

2024–2030 (KILOTON)

TABLE 37 PRECIPITATED SILICA MARKET FOR RUBBER, BY REGION,

2021–2023 (USD MILLION)

TABLE 38 PRECIPITATED SILICA MARKET FOR RUBBER, BY END-USE
INDUSTRY,

2024–2030 (USD MILLION)

TABLE 39 PRECIPITATED SILICA MARKET FOR FOOD, BY REGION, 2021–2023
(KILOTON)

TABLE 40 PRECIPITATED SILICA MARKET FOR FOOD, BY END-USE INDUSTRY,

2024–2030 (KILOTON)

TABLE 41 PRECIPITATED SILICA MARKET FOR FOOD, BY REGION, 2021–2023
(USD MILLION)

TABLE 42 PRECIPITATED SILICA MARKET FOR FOOD, BY END-USE INDUSTRY,

2024–2030 (USD MILLION)

TABLE 43 PRECIPITATED SILICA MARKET FOR BATTERY SEPARATOR, BY
REGION,

2021–2023 (KILOTON)

TABLE 44 PRECIPITATED SILICA MARKET FOR BATTERY SEPARATOR, BY
REGION,

2024–2030 (KILOTON)

TABLE 45 PRECIPITATED SILICA MARKET FOR BATTERY SEPARATOR, BY REGION,

2021–2023 (USD MILLION)

TABLE 46 PRECIPITATED SILICA MARKET FOR BATTERY SEPARATOR, BY REGION,

2024–2030 (USD MILLION)

TABLE 47 PRECIPITATED SILICA MARKET FOR ANIMAL AND POULTRY, BY REGION,

2021–2023 (KILOTON)

TABLE 48 PRECIPITATED SILICA MARKET FOR ANIMAL AND POULTRY, BY REGION,

2024–2030 (KILOTON)

TABLE 49 PRECIPITATED SILICA MARKET FOR ANIMAL AND POULTRY, BY REGION,

2021–2023 (USD MILLION)

TABLE 50 PRECIPITATED SILICA MARKET FOR ANIMAL AND POULTRY, BY REGION,

2024–2030 (USD MILLION)

TABLE 51 PRECIPITATED SILICA MARKET FOR PESTICIDES, BY REGION,

2021–2023 (KILOTON)

TABLE 52 PRECIPITATED SILICA MARKET FOR PESTICIDES, BY REGION,

2024–2030 (KILOTON)

TABLE 53 PRECIPITATED SILICA MARKET FOR PESTICIDES, BY REGION,

2021–2023 (USD MILLION)

TABLE 54 PRECIPITATED SILICA MARKET FOR PESTICIDES, BY REGION,

2024–2030 (USD MILLION)TABLE 55 PRECIPITATED SILICA MARKET FOR PLASTICS, BY REGION,
2021–2023 (KILOTON)TABLE 56 PRECIPITATED SILICA MARKET FOR PLASTICS, BY REGION,
2024–2030 (KILOTON)

TABLE 57 PRECIPITATED SILICA MARKET FOR PLASTICS, BY REGION,

2021–2023 (USD MILLION)

TABLE 58 PRECIPITATED SILICA MARKET FOR PLASTICS, BY REGION,

2024–2030 (USD MILLION)

TABLE 59 PRECIPITATED SILICA MARKET FOR PAPER & TEXTILE, BY REGION,

2021–2023 (KILOTON)

TABLE 60 PRECIPITATED SILICA MARKET FOR PAPER & TEXTILE, BY REGION,

2024–2030 (KILOTON)

TABLE 61 PRECIPITATED SILICA MARKET FOR PAPER & TEXTILE, BY REGION,

2021–2023 (USD MILLION)

TABLE 62 PRECIPITATED SILICA MARKET FOR PAPER & TEXTILE, BY REGION,

2024–2030 (USD MILLION)TABLE 63 PRECIPITATED SILICA MARKET FOR OTHER APPLICATIONS, BY
REGION,**2021–2023 (KILOTON)***Precipitated Silica Market by Application (Rubber, Food, Plastics, Battery Separator, Others), End-Use Industr...*

TABLE 64 PRECIPITATED SILICA MARKET FOR OTHER APPLICATIONS, BY REGION,

2024–2030 (KILOTON)

TABLE 65 PRECIPITATED SILICA MARKET FOR OTHER APPLICATIONS, BY REGION,

2021–2023 (USD MILLION)

TABLE 66 PRECIPITATED SILICA MARKET FOR OTHER APPLICATIONS, BY REGION,

2024–2030 (USD MILLION)

TABLE 67 PRECIPITATED SILICA MARKET, BY GRADE, 2021–2023 (KILOTON)

TABLE 68 PRECIPITATED SILICA MARKET, BY GRADE, 2024–2030 (KILOTON)

TABLE 69 PRECIPITATED SILICA MARKET, BY REGION, 2021–2023 (USD MILLION)

TABLE 70 PRECIPITATED SILICA MARKET, BY REGION, 2024–2030 (USD MILLION)

TABLE 71 PRECIPITATED SILICA MARKET, BY REGION, 2021–2023 (KILOTON)

TABLE 72 PRECIPITATED SILICA MARKET, BY REGION, 2024–2030 (KILOTON)

TABLE 73 ASIA PACIFIC: PRECIPITATED SILICA MARKET, BY COUNTRY,

2021–2023 (KILOTON)

TABLE 74 ASIA PACIFIC: PRECIPITATED SILICA MARKET, BY COUNTRY,

2024–2030 (KILOTON)

TABLE 75 ASIA PACIFIC: PRECIPITATED SILICA MARKET, BY COUNTRY,

2021–2023 (USD MILLION)

TABLE 76 ASIA PACIFIC: PRECIPITATED SILICA MARKET, BY COUNTRY,

2024–2030 (USD MILLION)

TABLE 77 ASIA PACIFIC: PRECIPITATED SILICA MARKET, BY END-USE

Precipitated Silica Market by Application (Rubber, Food, Plastics, Battery Separator, Others), End-Use Industr...

INDUSTRY,

2021–2023 (KILOTON)

TABLE 78 ASIA PACIFIC: PRECIPITATED SILICA MARKET, BY END-USE
INDUSTRY,

2024–2030 (KILOTON)

TABLE 79 ASIA PACIFIC: PRECIPITATED SILICA MARKET, BY APPLICATION,

2021–2023 (KILOTON)

TABLE 80 ASIA PACIFIC: PRECIPITATED SILICA MARKET, BY APPLICATION,

2024–2030 (KILOTON)

TABLE 81 ASIA PACIFIC: PRECIPITATED SILICA MARKET, BY APPLICATION,

2021–2023 (USD MILLION)

TABLE 82 ASIA PACIFIC: PRECIPITATED SILICA MARKET, BY APPLICATION,

2024–2030 (USD MILLION)

TABLE 83 CHINA: PRECIPITATED SILICA MARKET, BY APPLICATION, 2021–2023
(KILOTON)

TABLE 84 CHINA: PRECIPITATED SILICA MARKET, BY APPLICATION, 2024–2030
(KILOTON)

TABLE 85 CHINA: PRECIPITATED SILICA MARKET, BY APPLICATION,

2021–2023 (USD MILLION)

TABLE 86 CHINA: PRECIPITATED SILICA MARKET, BY APPLICATION,

2024–2030 (USD MILLION)

TABLE 87 CHINA: PRECIPITATED SILICA MARKET, BY END-USE INDUSTRY,

2021–2023 (KILOTON)

TABLE 88 CHINA: PRECIPITATED SILICA MARKET, BY END-USE INDUSTRY,

2024–2030 (KILOTON)

TABLE 89 INDIA: PRECIPITATED SILICA MARKET, BY APPLICATION,

2021–2023 (USD MILLION)

TABLE 90 INDIA: PRECIPITATED SILICA MARKET, BY APPLICATION,

2024–2030 (USD MILLION)TABLE 91 INDIA: PRECIPITATED SILICA MARKET, BY APPLICATION, 2021–2023
(KILOTON)TABLE 92 INDIA: PRECIPITATED SILICA MARKET, BY APPLICATION, 2024–2030
(KILOTON)

TABLE 93 INDIA: PRECIPITATED SILICA MARKET, BY END-USE INDUSTRY,

2021–2023 (KILOTON)

TABLE 94 INDIA: PRECIPITATED SILICA MARKET, BY END-USE INDUSTRY,

2024–2030 (KILOTON)

TABLE 95 JAPAN: PRECIPITATED SILICA MARKET, BY APPLICATION,

2021–2023 (USD MILLION)

TABLE 96 JAPAN: PRECIPITATED SILICA MARKET, BY APPLICATION,

2024–2030 (USD MILLION)TABLE 97 JAPAN: PRECIPITATED SILICA MARKET, BY APPLICATION, 2021–2023
(KILOTON)TABLE 98 JAPAN: PRECIPITATED SILICA MARKET, BY APPLICATION, 2024–2030
(KILOTON)

TABLE 99 JAPAN: PRECIPITATED SILICA MARKET, BY END-USE INDUSTRY,

Precipitated Silica Market by Application (Rubber, Food, Plastics, Battery Separator, Others), End-Use Industr...

2021–2023 (KILOTON)

TABLE 100 JAPAN: PRECIPITATED SILICA MARKET, BY END-USE INDUSTRY,

2024–2030 (KILOTON)

TABLE 101 SOUTH KOREA: PRECIPITATED SILICA MARKET, BY APPLICATION,

2021–2023 (USD MILLION)

TABLE 102 SOUTH KOREA: PRECIPITATED SILICA MARKET, BY APPLICATION,

2024–2030 (USD MILLION)

TABLE 103 SOUTH KOREA: PRECIPITATED SILICA MARKET, BY APPLICATION,

2021–2023 (KILOTON)

TABLE 104 SOUTH KOREA: PRECIPITATED SILICA MARKET, BY APPLICATION,

2024–2030 (KILOTON)TABLE 105 SOUTH KOREA: PRECIPITATED SILICA MARKET, BY END-USE
INDUSTRY,**2021–2023 (KILOTON)**TABLE 106 SOUTH KOREA: PRECIPITATED SILICA MARKET, BY END-USE
INDUSTRY,**2024–2030 (KILOTON)**

TABLE 107 AUSTRALIA: PRECIPITATED SILICA MARKET, BY APPLICATION,

2021–2023 (USD MILLION)

TABLE 108 AUSTRALIA: PRECIPITATED SILICA MARKET, BY APPLICATION,

2024–2030 (USD MILLION)

TABLE 109 AUSTRALIA: PRECIPITATED SILICA MARKET, BY APPLICATION,

2021–2023 (KILOTON)

TABLE 110 AUSTRALIA: PRECIPITATED SILICA MARKET, BY APPLICATION,

2024–2030 (KILOTON)TABLE 111 AUSTRALIA: PRECIPITATED SILICA MARKET, BY END-USE
INDUSTRY,**2021–2023 (KILOTON)**TABLE 112 AUSTRALIA: PRECIPITATED SILICA MARKET, BY END-USE
INDUSTRY,**2024–2030 (KILOTON)**

TABLE 113 THAILAND: PRECIPITATED SILICA MARKET, BY APPLICATION,

2021–2023 (USD MILLION)

TABLE 114 THAILAND: PRECIPITATED SILICA MARKET, BY APPLICATION,

2024–2030 (USD MILLION)

TABLE 115 THAILAND: PRECIPITATED SILICA MARKET, BY APPLICATION,

2021–2023 (KILOTON)

TABLE 116 THAILAND: PRECIPITATED SILICA MARKET, BY APPLICATION,

2024–2030 (KILOTON)

TABLE 117 THAILAND: PRECIPITATED SILICA MARKET, BY END-USE INDUSTRY,

2021–2023 (KILOTON)*Precipitated Silica Market by Application (Rubber, Food, Plastics, Battery Separator, Others), End-Use Industr...*

TABLE 118 THAILAND: PRECIPITATED SILICA MARKET, BY END-USE INDUSTRY,
2024–2030 (KILOTON)

TABLE 119 REST OF ASIA PACIFIC: PRECIPITATED SILICA MARKET, BY
APPLICATION,

2021–2023 (USD MILLION)

TABLE 120 REST OF ASIA PACIFIC: PRECIPITATED SILICA MARKET, BY
APPLICATION,

2024–2030 (USD MILLION)

TABLE 121 REST OF ASIA PACIFIC: PRECIPITATED SILICA MARKET, BY
APPLICATION,

2021–2023 (KILOTON)

TABLE 122 REST OF ASIA PACIFIC: PRECIPITATED SILICA MARKET, BY
APPLICATION,

2024–2030 (KILOTON)

TABLE 123 REST OF ASIA PACIFIC PRECIPITATED SILICA MARKET, BY END-USE
INDUSTRY, 2021–2023 (KILOTON)

TABLE 124 REST OF ASIA PACIFIC: PRECIPITATED SILICA MARKET, BY END-USE
INDUSTRY, 2024–2030 (KILOTON)

TABLE 125 EUROPE: PRECIPITATED SILICA MARKET, BY COUNTRY, 2021–2023
(KILOTON)

TABLE 126 EUROPE: PRECIPITATED SILICA MARKET, BY COUNTRY, 2024–2030
(KILOTON)

TABLE 127 EUROPE: PRECIPITATED SILICA MARKET, BY COUNTRY,

2021–2023 (USD MILLION)

TABLE 128 EUROPE: PRECIPITATED SILICA MARKET, BY COUNTRY,

2024–2030 (USD MILLION)

TABLE 129 EUROPE: PRECIPITATED SILICA MARKET, BY END-USE INDUSTRY,

2021–2023 (KILOTON)

TABLE 130 EUROPE: PRECIPITATED SILICA MARKET, BY END-USE INDUSTRY,

2024–2030 (KILOTON)TABLE 131 EUROPE: PRECIPITATED SILICA MARKET, BY APPLICATION,
2021–2023 (KILOTON)TABLE 132 EUROPE: PRECIPITATED SILICA MARKET, BY APPLICATION,
2024–2030 (KILOTON)

TABLE 133 EUROPE: PRECIPITATED SILICA MARKET, BY APPLICATION,

2021–2023 (USD MILLION)

TABLE 134 EUROPE: PRECIPITATED SILICA MARKET, BY APPLICATION,

2024–2030 (USD MILLION)

TABLE 135 GERMANY: PRECIPITATED SILICA MARKET, BY APPLICATION,

2021–2023 (USD MILLION)

TABLE 136 GERMANY: PRECIPITATED SILICA MARKET, BY APPLICATION,

2024–2030 (USD MILLION)

TABLE 137 GERMANY: PRECIPITATED SILICA MARKET, BY APPLICATION,

2021–2023 (KILOTON)

TABLE 138 GERMANY: PRECIPITATED SILICA MARKET, BY APPLICATION,

2024–2030 (KILOTON)

TABLE 139 GERMANY: PRECIPITATED SILICA MARKET, BY END-USE INDUSTRY,

Precipitated Silica Market by Application (Rubber, Food, Plastics, Battery Separator, Others), End-Use Industr...

2021–2023 (KILOTON)

TABLE 140 GERMANY: PRECIPITATED SILICA MARKET, BY END-USE INDUSTRY,

2024–2030 (KILOTON)TABLE 141 UK: PRECIPITATED SILICA MARKET, BY APPLICATION, 2021–2023
(USD MILLION)TABLE 142 UK: PRECIPITATED SILICA MARKET, BY APPLICATION, 2024–2030
(USD MILLION)TABLE 143 UK: PRECIPITATED SILICA MARKET, BY APPLICATION, 2021–2023
(KILOTON)TABLE 144 UK: PRECIPITATED SILICA MARKET, BY APPLICATION, 2024–2030
(KILOTON)

TABLE 145 UK: PRECIPITATED SILICA MARKET, BY END-USE INDUSTRY,

2021–2023 (KILOTON)

TABLE 146 UK: PRECIPITATED SILICA MARKET, BY END-USE INDUSTRY,

2024–2030 (KILOTON)

TABLE 147 FRANCE: PRECIPITATED SILICA MARKET, BY APPLICATION,

2021–2023 (USD MILLION)

TABLE 148 FRANCE: PRECIPITATED SILICA MARKET, BY APPLICATION,

2024–2030 (USD MILLION)TABLE 149 FRANCE: PRECIPITATED SILICA MARKET, BY APPLICATION,
2021–2023 (KILOTON)TABLE 150 FRANCE: PRECIPITATED SILICA MARKET, BY APPLICATION,
2024–2030 (KILOTON)

TABLE 151 FRANCE: PRECIPITATED SILICA MARKET, BY END-USE INDUSTRY,

2021–2023 (KILOTON)

TABLE 152 FRANCE: PRECIPITATED SILICA MARKET, BY END-USE INDUSTRY,
2024–2030 (KILOTON)

TABLE 153 ITALY: PRECIPITATED SILICA MARKET, BY APPLICATION,
2021–2023 (USD MILLION)

TABLE 154 ITALY: PRECIPITATED SILICA MARKET, BY APPLICATION,
2024–2030 (USD MILLION)

TABLE 155 ITALY: PRECIPITATED SILICA MARKET, BY APPLICATION, 2021–2023
(KILOTON)

TABLE 156 ITALY: PRECIPITATED SILICA MARKET, BY APPLICATION, 2024–2030
(KILOTON)

TABLE 157 ITALY: PRECIPITATED SILICA MARKET, BY END-USE INDUSTRY,
2021–2023 (KILOTON)

TABLE 158 ITALY: PRECIPITATED SILICA MARKET, BY END-USE INDUSTRY,
2024–2030 (KILOTON)

TABLE 159 SPAIN: PRECIPITATED SILICA MARKET, BY APPLICATION,
2021–2023 (USD MILLION)

TABLE 160 SPAIN: PRECIPITATED SILICA MARKET, BY APPLICATION,
2024–2030 (USD MILLION)

TABLE 161 SPAIN: PRECIPITATED SILICA MARKET, BY APPLICATION, 2021–2023
(KILOTON)

TABLE 162 SPAIN: PRECIPITATED SILICA MARKET, BY APPLICATION, 2024–2030
(KILOTON)

TABLE 163 SPAIN: PRECIPITATED SILICA MARKET, BY END-USE INDUSTRY,
2021–2023 (KILOTON)

TABLE 164 SPAIN: PRECIPITATED SILICA MARKET, BY END-USE INDUSTRY,

2024–2030 (KILOTON)

TABLE 165 REST OF EUROPE: PRECIPITATED SILICA MARKET, BY APPLICATION,

2021–2023 (USD MILLION)

TABLE 166 REST OF EUROPE: PRECIPITATED SILICA MARKET, BY APPLICATION,

2024–2030 (USD MILLION)

TABLE 167 REST OF EUROPE: PRECIPITATED SILICA MARKET, BY APPLICATION,

2021–2023 (KILOTON)

TABLE 168 REST OF EUROPE: PRECIPITATED SILICA MARKET, BY APPLICATION,

2024–2030 (KILOTON)

TABLE 169 REST OF EUROPE: PRECIPITATED SILICA MARKET, BY END-USE INDUSTRY,

2021–2023 (KILOTON)

TABLE 170 REST OF EUROPE: PRECIPITATED SILICA MARKET, BY END-USE INDUSTRY,

2024–2030 (KILOTON)

TABLE 171 NORTH AMERICA: PRECIPITATED SILICA MARKET, BY COUNTRY,

2021–2023 (KILOTON)

TABLE 172 NORTH AMERICA: PRECIPITATED SILICA MARKET, BY COUNTRY,
2024–2030 (KILOTON)

TABLE 173 NORTH AMERICA: PRECIPITATED SILICA MARKET, BY COUNTRY,
2021–2023 (USD MILLION)

TABLE 174 NORTH AMERICA: PRECIPITATED SILICA MARKET, BY COUNTRY,
2024–2030 (USD MILLION)

TABLE 175 NORTH AMERICA: PRECIPITATED SILICA MARKET, BY END-USE
INDUSTRY,
2021–2023 (KILOTON)

TABLE 176 NORTH AMERICA: PRECIPITATED SILICA MARKET, BY END-USE
INDUSTRY,
2024–2030 (KILOTON)

TABLE 177 NORTH AMERICA: PRECIPITATED SILICA MARKET, BY APPLICATION,
2021–2023 (KILOTON)

TABLE 178 NORTH AMERICA: PRECIPITATED SILICA MARKET, BY APPLICATION,
2024–2030 (KILOTON)

TABLE 179 NORTH AMERICA: PRECIPITATED SILICA MARKET, BY APPLICATION,
2021–2023 (USD MILLION)

TABLE 180 NORTH AMERICA: PRECIPITATED SILICA MARKET, BY APPLICATION,
2024–2030 (USD MILLION)

TABLE 181 US: PRECIPITATED SILICA MARKET, BY APPLICATION, 2021–2023

Precipitated Silica Market by Application (Rubber, Food, Plastics, Battery Separator, Others), End-Use Industr...

(USD MILLION)

TABLE 182 US: PRECIPITATED SILICA MARKET, BY APPLICATION, 2024–2030

(USD MILLION)

TABLE 183 US: PRECIPITATED SILICA MARKET, BY APPLICATION, 2021–2023

(KILOTON)

TABLE 184 US: PRECIPITATED SILICA MARKET, BY APPLICATION, 2024–2030

(KILOTON)

TABLE 185 US: PRECIPITATED SILICA MARKET, BY END-USE INDUSTRY,

2021–2023 (KILOTON)

TABLE 186 US: PRECIPITATED SILICA MARKET, BY END-USE INDUSTRY,

2024–2030 (KILOTON)

TABLE 187 CANADA: PRECIPITATED SILICA MARKET, BY APPLICATION,

2021–2023 (USD MILLION)

TABLE 188 CANADA: PRECIPITATED SILICA MARKET, BY APPLICATION,

2024–2030 (USD MILLION)

TABLE 189 CANADA: PRECIPITATED SILICA MARKET, BY APPLICATION,
2021–2023 (KILOTON)

TABLE 190 CANADA: PRECIPITATED SILICA MARKET, BY APPLICATION,
2024–2030 (KILOTON)

TABLE 191 CANADA: PRECIPITATED SILICA MARKET, BY END-USE INDUSTRY,

2021–2023 (KILOTON)

TABLE 192 CANADA: PRECIPITATED SILICA MARKET, BY END-USE INDUSTRY,

2024–2030 (KILOTON)

TABLE 193 MEXICO: PRECIPITATED SILICA MARKET, BY APPLICATION,

2021–2023 (USD MILLION)

TABLE 194 MEXICO: PRECIPITATED SILICA MARKET, BY APPLICATION,

2024–2030 (USD MILLION)

TABLE 195 MEXICO: PRECIPITATED SILICA MARKET, BY APPLICATION,
2021–2023 (KILOTON)

TABLE 196 MEXICO: PRECIPITATED SILICA MARKET, BY APPLICATION,
2024–2030 (KILOTON)

TABLE 197 MEXICO: PRECIPITATED SILICA MARKET, BY END-USE INDUSTRY,

2021–2023 (KILOTON)

TABLE 198 MEXICO: PRECIPITATED SILICA MARKET, BY END-USE INDUSTRY,

2024–2030 (KILOTON)

TABLE 199 MIDDLE EAST & AFRICA: PRECIPITATED SILICA MARKET, BY
COUNTRY,

2021–2023 (KILOTON)

TABLE 200 MIDDLE EAST & AFRICA: PRECIPITATED SILICA MARKET, BY
COUNTRY,

2024–2030 (KILOTON)

TABLE 201 MIDDLE EAST & AFRICA: PRECIPITATED SILICA MARKET, BY
COUNTRY,

2021–2023 (USD MILLION)

TABLE 202 MIDDLE EAST & AFRICA: PRECIPITATED SILICA MARKET, BY
COUNTRY,

2024–2030 (USD MILLION)

TABLE 203 MIDDLE EAST & AFRICA: PRECIPITATED SILICA MARKET, BY END-
USE INDUSTRY, 2021–2023 (KILOTON)

TABLE 204 MIDDLE EAST & AFRICA: PRECIPITATED SILICA MARKET, BY END-

USE INDUSTRY, 2024–2030 (KILOTON)

TABLE 205 MIDDLE EAST & AFRICA: PRECIPITATED SILICA MARKET, BY APPLICATION,

2021–2023 (KILOTON)

TABLE 206 MIDDLE EAST & AFRICA: PRECIPITATED SILICA MARKET, BY APPLICATION,

2024–2030 (KILOTON)

TABLE 207 MIDDLE EAST & AFRICA: PRECIPITATED SILICA MARKET, BY APPLICATION,

2021–2023 (USD MILLION)

TABLE 208 MIDDLE EAST & AFRICA: PRECIPITATED SILICA MARKET, BY APPLICATION,

2024–2030 (USD MILLION)

TABLE 209 SAUDI ARABIA: PRECIPITATED SILICA MARKET, BY APPLICATION,

2021–2023 (USD MILLION)

TABLE 210 SAUDI ARABIA: PRECIPITATED SILICA MARKET, BY APPLICATION,

2024–2030 (USD MILLION)

TABLE 211 SAUDI ARABIA: PRECIPITATED SILICA MARKET, BY APPLICATION,

2021–2023 (KILOTON)

TABLE 212 SAUDI ARABIA: PRECIPITATED SILICA MARKET, BY APPLICATION,

2024–2030 (KILOTON)

TABLE 213 SAUDI ARABIA: PRECIPITATED SILICA MARKET, BY END-USE INDUSTRY,

Precipitated Silica Market by Application (Rubber, Food, Plastics, Battery Separator, Others), End-Use Industr...

2021–2023 (KILOTON)

TABLE 214 SAUDI ARABIA: PRECIPITATED SILICA MARKET, BY END-USE INDUSTRY,

2024–2030 (KILOTON)

TABLE 215 UAE: PRECIPITATED SILICA MARKET, BY APPLICATION, 2021–2023 (USD MILLION)

TABLE 216 UAE: PRECIPITATED SILICA MARKET, BY APPLICATION, 2024–2030 (USD MILLION)

TABLE 217 UAE: PRECIPITATED SILICA MARKET, BY APPLICATION, 2021–2023 (KILOTON)

TABLE 218 UAE: PRECIPITATED SILICA MARKET, BY APPLICATION, 2024–2030 (KILOTON)

TABLE 219 UAE: PRECIPITATED SILICA MARKET, BY END-USE INDUSTRY,

2021–2023 (KILOTON)

TABLE 220 UAE: PRECIPITATED SILICA MARKET, BY END-USE INDUSTRY,

2024–2030 (KILOTON)

TABLE 221 REST OF GCC: PRECIPITATED SILICA MARKET, BY APPLICATION,

2021–2023 (USD MILLION)

TABLE 222 REST OF GCC: PRECIPITATED SILICA MARKET, BY APPLICATION,

2024–2030 (USD MILLION)

TABLE 223 REST OF GCC: PRECIPITATED SILICA MARKET, BY APPLICATION,

2021–2023 (KILOTON)

TABLE 224 REST OF GCC: PRECIPITATED SILICA MARKET, BY APPLICATION,

2024–2030 (KILOTON)

Precipitated Silica Market by Application (Rubber, Food, Plastics, Battery Separator, Others), End-Use Industr...

TABLE 225 REST OF GCC: PRECIPITATED SILICA MARKET, BY END-USE
INDUSTRY,

2021–2023 (KILOTON)

TABLE 226 REST OF GCC: PRECIPITATED SILICA MARKET, BY END-USE
INDUSTRY,

2024–2030 (KILOTON)

TABLE 227 SOUTH AFRICA: PRECIPITATED SILICA MARKET, BY APPLICATION,

2021–2023 (USD MILLION)

TABLE 228 SOUTH AFRICA: PRECIPITATED SILICA MARKET, BY APPLICATION,

2024–2030 (USD MILLION)

TABLE 229 SOUTH AFRICA: PRECIPITATED SILICA MARKET, BY APPLICATION,

2021–2023 (KILOTON)

TABLE 230 SOUTH AFRICA: PRECIPITATED SILICA MARKET, BY APPLICATION,

2024–2030 (KILOTON)

TABLE 231 SOUTH AFRICA: PRECIPITATED SILICA MARKET, BY END-USE
INDUSTRY,

2021–2023 (KILOTON)

TABLE 232 SOUTH AFRICA: PRECIPITATED SILICA MARKET, END-USE
INDUSTRY,

2024–2030 (KILOTON)

TABLE 233 REST OF MIDDLE EAST & AFRICA: PRECIPITATED SILICA MARKET,
BY APPLICATION, 2021–2023 (USD MILLION)

Precipitated Silica Market by Application (Rubber, Food, Plastics, Battery Separator, Others), End-Use Industr...

TABLE 234 REST OF MIDDLE EAST & AFRICA: PRECIPITATED SILICA MARKET, BY APPLICATION, 2024–2030 (USD MILLION)

TABLE 235 REST OF MIDDLE EAST & AFRICA: PRECIPITATED SILICA MARKET, BY APPLICATION, 2021–2023 (KILOTON)

TABLE 236 REST OF MIDDLE EAST & AFRICA: PRECIPITATED SILICA MARKET, BY APPLICATION, 2024–2030 (KILOTON)

TABLE 237 REST OF MIDDLE EAST & AFRICA: PRECIPITATED SILICA MARKET, BY END-USE INDUSTRY, 2021–2023 (KILOTON)

TABLE 238 REST OF MIDDLE EAST & AFRICA: PRECIPITATED SILICA MARKET, BY END-USE INDUSTRY, 2024–2030 (KILOTON)

TABLE 239 SOUTH AMERICA: PRECIPITATED SILICA MARKET, BY COUNTRY,

2021–2023 (KILOTON)

TABLE 240 SOUTH AMERICA: PRECIPITATED SILICA MARKET, BY COUNTRY,

2024–2030 (KILOTON)

TABLE 241 SOUTH AMERICA: PRECIPITATED SILICA MARKET, BY COUNTRY,

2021–2023 (USD MILLION)

TABLE 242 SOUTH AMERICA: PRECIPITATED SILICA MARKET, BY COUNTRY,

2024–2030 (USD MILLION)

TABLE 243 SOUTH AMERICA: PRECIPITATED SILICA MARKET, BY END-USE INDUSTRY,

2021–2023 (KILOTON)

TABLE 244 SOUTH AMERICA: PRECIPITATED SILICA MARKET, BY END-USE INDUSTRY,

2024–2030 (KILOTON)

TABLE 245 SOUTH AMERICA: PRECIPITATED SILICA MARKET, BY APPLICATION,

2021–2023 (KILOTON)

TABLE 246 SOUTH AMERICA: PRECIPITATED SILICA MARKET, BY APPLICATION,
2024–2030 (KILOTON)

TABLE 247 SOUTH AMERICA: PRECIPITATED SILICA MARKET, BY APPLICATION,
2021–2023 (USD MILLION)

TABLE 248 SOUTH AMERICA: PRECIPITATED SILICA MARKET, BY APPLICATION,
2024–2030 (USD MILLION)

TABLE 249 BRAZIL: PRECIPITATED SILICA MARKET, BY APPLICATION,
2021–2023 (USD MILLION)

TABLE 250 BRAZIL: PRECIPITATED SILICA MARKET, BY APPLICATION,
2024–2030 (USD MILLION)

TABLE 251 BRAZIL: PRECIPITATED SILICA MARKET, BY APPLICATION, 2021–2023
(KILOTON)

TABLE 252 BRAZIL: PRECIPITATED SILICA MARKET, BY APPLICATION, 2024–2030
(KILOTON)

TABLE 253 BRAZIL: PRECIPITATED SILICA MARKET, BY END-USE INDUSTRY,
2021–2023 (KILOTON)

TABLE 254 BRAZIL: PRECIPITATED SILICA MARKET, BY END-USE INDUSTRY,
2024–2030 (KILOTON)

TABLE 255 ARGENTINA: PRECIPITATED SILICA MARKET, BY APPLICATION,
2021–2023 (USD MILLION)

TABLE 256 ARGENTINA: PRECIPITATED SILICA MARKET, BY APPLICATION,

2024–2030 (USD MILLION)

TABLE 257 ARGENTINA: PRECIPITATED SILICA MARKET, BY APPLICATION,

2021–2023 (KILOTON)

TABLE 258 ARGENTINA: PRECIPITATED SILICA MARKET, BY APPLICATION,

2024–2030 (KILOTON)TABLE 259 ARGENTINA: PRECIPITATED SILICA MARKET, BY END-USE
INDUSTRY,**2021–2023 (KILOTON)**TABLE 260 ARGENTINA: PRECIPITATED SILICA MARKET, BY END-USE
INDUSTRY,**2024–2030 (KILOTON)**

TABLE 261 CHILE: PRECIPITATED SILICA MARKET, BY APPLICATION,

2021–2023 (USD MILLION)

TABLE 262 CHILE: PRECIPITATED SILICA MARKET, BY APPLICATION,

2024–2030 (USD MILLION)TABLE 263 CHILE: PRECIPITATED SILICA MARKET, BY APPLICATION, 2021–2023
(KILOTON)TABLE 264 CHILE: PRECIPITATED SILICA MARKET, BY APPLICATION, 2024–2030
(KILOTON)

TABLE 265 CHILE: PRECIPITATED SILICA MARKET, BY END-USE INDUSTRY,

2021–2023 (KILOTON)

TABLE 266 CHILE: PRECIPITATED SILICA MARKET, BY END-USE INDUSTRY,

2024–2030 (KILOTON)*Precipitated Silica Market by Application (Rubber, Food, Plastics, Battery Separator, Others), End-Use Industr...*

TABLE 267 REST OF SOUTH AMERICA: PRECIPITATED SILICA MARKET, BY APPLICATION, 2021–2023 (USD MILLION)

TABLE 268 REST OF SOUTH AMERICA: PRECIPITATED SILICA MARKET, BY APPLICATION, 2024–2030 (USD MILLION)

TABLE 269 REST OF SOUTH AMERICA: PRECIPITATED SILICA MARKET, BY APPLICATION, 2021–2023 (KILOTON)

TABLE 270 REST OF SOUTH AMERICA: PRECIPITATED SILICA MARKET, BY APPLICATION, 2024–2030 (KILOTON)

TABLE 271 REST OF SOUTH AMERICA: PRECIPITATED SILICA MARKET, BY END-USE INDUSTRY, 2021–2023 (KILOTON)

TABLE 272 REST OF SOUTH AMERICA: PRECIPITATED SILICA MARKET, BY END-USE INDUSTRY, 2024–2030 (KILOTON)

TABLE 273 PRECIPITATED SILICA MARKET: OVERVIEW OF STRATEGIES DEPLOYED BY KEY PLAYERS

TABLE 274 PRECIPITATED SILICA MARKET: DEGREE OF COMPETITION, 2023

TABLE 275 PRECIPITATED SILICA MARKET: COMPANY REGION FOOTPRINT

TABLE 276 PRECIPITATED SILICA MARKET: GRADE FOOTPRINT

TABLE 277 PRECIPITATED SILICA MARKET: APPLICATION FOOTPRINT

TABLE 278 PRECIPITATED SILICA MARKET: END-USE INDUSTRY FOOTPRINT

TABLE 279 PRECIPITATED SILICA MARKET: DETAILED LIST OF KEY STARTUPS/SMES

TABLE 280 PRECIPITATED SILICA MARKET: COMPETITIVE BENCHMARKING OF STARTUPS/SMES

TABLE 281 PRECIPITATED SILICA MARKET: DEALS, JANUARY 2021–JANUARY 2025

TABLE 282 PRECIPITATED SILICA MARKET: EXPANSIONS, JANUARY 2021–JANUARY 2025

TABLE 283 EVONIK INDUSTRIES AG: COMPANY OVERVIEW

TABLE 284 EVONIK INDUSTRIES AG: PRODUCTS OFFERED

TABLE 285 EVONIK INDUSTRIES AG: DEALS, JANUARY 2021–JANUARY 2025

TABLE 286 EVONIK INDUSTRIES AG: EXPANSIONS, JANUARY 2021–JANUARY 2025

TABLE 287 SOLVAY: COMPANY OVERVIEW

TABLE 288 SOLVAY: PRODUCTS OFFERED

TABLE 289 SOLVAY: EXPANSIONS, JANUARY 2021–FEBRUARY 2025

TABLE 290 TATA CHEMICALS LTD: COMPANY OVERVIEW

TABLE 291 TATA CHEMICALS LTD: PRODUCTS OFFERED

TABLE 292 TATA CHEMICALS LTD: DEALS, JANUARY 2021–JANUARY 2025

TABLE 293 TATA CHEMICALS LTD: EXPANSIONS, JANUARY 2021–JANUARY 2025
TABLE 294 QEMETICA: COMPANY OVERVIEW
TABLE 295 QEMETICA: PRODUCTS OFFERED
TABLE 296 QEMETICA: DEALS, JANUARY 2021–JANUARY 2025
TABLE 297 W. R. GRACE & CO: COMPANY OVERVIEW
TABLE 298 W. R. GRACE & CO: PRODUCTS OFFERED
TABLE 299 IQE GROUP: COMPANY OVERVIEW
TABLE 300 IQE GROUP: PRODUCTS OFFERED
TABLE 301 PQ CORPORATION: COMPANY OVERVIEW
TABLE 302 PQ CORPORATION: PRODUCTS OFFERED
TABLE 303 PQ CORPORATION: DEALS, JANUARY 2021–JANUARY 2025
TABLE 304 PQ CORPORATION: EXPANSIONS, JANUARY 2021–JANUARY 2025
TABLE 305 TOSOH SILICA CORPORATION: COMPANY OVERVIEW
TABLE 306 TOSOH SILICA CORPORATION.: PRODUCTS OFFERED
TABLE 307 MADHU SILICA PVT. LTD: COMPANY OVERVIEW
TABLE 308 MADHU SILICA PVT. LTD: PRODUCTS OFFERED
TABLE 309 ANTEN CHEMICAL CO., LTD: COMPANY OVERVIEW
TABLE 310 ANTEN CHEMICAL CO., LTD: PRODUCTS OFFERED
TABLE 311 ORIENTAL SILICAS CORPORATION: COMPANY OVERVIEW
TABLE 312 ORIENTAL SILICAS CORPORATION: PRODUCTS OFFERED
TABLE 313 GLASSVEN CA: COMPANY OVERVIEW
TABLE 314 GLASSVEN: PRODUCTS OFFERED
TABLE 315 SUPERSIL CHEMICALS (I) PVT. LTD: COMPANY OVERVIEW
TABLE 316 SUPERSIL CHEMICALS (I) PVT. LTD: PRODUCTS OFFERED
TABLE 317 MLA GROUP: COMPANY OVERVIEW
TABLE 318 MLA GROUP: PRODUCTS OFFERED
TABLE 319 FUJI SILYSIA CHEMICAL LTD: COMPANY OVERVIEW
TABLE 320 FUJI SILYSIA CHEMICAL LTD: PRODUCTS OFFERED
TABLE 321 MULTISORB: COMPANY OVERVIEW
TABLE 322 SUNSHINE INDUSTRIES: COMPANY OVERVIEW
TABLE 323 JINSHA PRECIPITATED SILICA MANUFACTURING CO., LTD.: COMPANY OVERVIEW
TABLE 324 HISILCO: COMPANY OVERVIEW
TABLE 325 REGOJ CHEMICAL INDUSTRIES: COMPANY OVERVIEW
TABLE 326 TRIVENI CHEMICALS: COMPANY OVERVIEW
TABLE 327 DURGA CHEMICAL INDUSTRIES: COMPANY OVERVIEW
TABLE 328 KADVANI CHEMICALS PVT. LTD.: COMPANY OVERVIEW
TABLE 329 AEROGEL MARKET, BY TYPE, 2017–2022 (USD THOUSAND)
TABLE 330 AEROGEL MARKET, BY MATERIAL, 2023–2029 (USD MILLION)

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