

Global Solid Precursors Market Research Report 2024(Status and Outlook)

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Abstracts

Report Overview

This report studies the solid precursors are used in semiconductor applications and excel in Atomic Layer Deposition (ALD) and Chemical Vapor Deposition (CVD), especially for metals deposition. Solid precursors based on hafnium and zirconium have been used in semiconductor fabs for decades. New solid precursors based on aluminum (Al), molybdenum (Mo), and tungsten (W) are needed to meet the device and integration requirements for the latest generation of 3D devices. As layers become thinner, materials requirements often change. The drive toward fluorine-free materials mitigates yield loss that can occur when fluorine reacts with nanoscale layers in devices. In the case of W precursors, tungsten pentachloride (WCI5) is replacing gaseous tungsten hexafluoride (WF6). WCI5 is a solid at room temperature.

The global Solid Precursors market size was estimated at USD 55 million in 2023 and is projected to reach USD 252.15 million by 2030, exhibiting a CAGR of 24.30% during the forecast period.

North America Solid Precursors market size was USD 14.33 million in 2023, at a CAGR of 20.83% during the forecast period of 2024 through 2030.

This report provides a deep insight into the global Solid Precursors market covering all its essential aspects. This ranges from a macro overview of the market to micro details of the market size, competitive landscape, development trend, niche market, key market drivers and challenges, SWOT analysis, value chain analysis, etc.

The analysis helps the reader to shape the competition within the industries and



strategies for the competitive environment to enhance the potential profit. Furthermore, it provides a simple framework for evaluating and accessing the position of the business organization. The report structure also focuses on the competitive landscape of the Global Solid Precursors Market, this report introduces in detail the market share, market performance, product situation, operation situation, etc. of the main players, which helps the readers in the industry to identify the main competitors and deeply understand the competition pattern of the market.

In a word, this report is a must-read for industry players, investors, researchers, consultants, business strategists, and all those who have any kind of stake or are planning to foray into the Solid Precursors market in any manner.

Global Solid Precursors Market: Market Segmentation Analysis

The research report includes specific segments by region (country), manufacturers, Type, and Application. Market segmentation creates subsets of a market based on product type, end-user or application, Geographic, and other factors. By understanding the market segments, the decision-maker can leverage this targeting in the product, sales, and marketing strategies. Market segments can power your product development cycles by informing how you create product offerings for different segments.

Key Company
Entegris
Merck KGaA
TANAKA
Market Segmentation (by Type)
Based on Al, Mo, and W
Based on Hafnium and Zirconium
Others (Ruthenium, etc.)
Market Segmentation (by Application)



ALD/CVD

Others (LED, etc.)

Geographic Segmentation

North America (USA, Canada, Mexico)

Europe (Germany, UK, France, Russia, Italy, Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)

South America (Brazil, Argentina, Columbia, Rest of South America)

The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

Key Benefits of This Market Research:

Industry drivers, restraints, and opportunities covered in the study

Neutral perspective on the market performance

Recent industry trends and developments

Competitive landscape & strategies of key players

Potential & niche segments and regions exhibiting promising growth covered

Historical, current, and projected market size, in terms of value

In-depth analysis of the Solid Precursors Market

Overview of the regional outlook of the Solid Precursors Market:

Key Reasons to Buy this Report:



Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change

This enables you to anticipate market changes to remain ahead of your competitors

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The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly

Provision of market value (USD Billion) data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the



years to come

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Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the Solid Precursors Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.



Chapter 8 provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 9 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 10 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 11 provides a quantitative analysis of the market size and development potential of each market segment in the next five years.

Chapter 12 is the main points and conclusions of the report.



Contents

1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE

- 1.1 Market Definition and Statistical Scope of Solid Precursors
- 1.2 Key Market Segments
 - 1.2.1 Solid Precursors Segment by Type
 - 1.2.2 Solid Precursors Segment by Application
- 1.3 Methodology & Sources of Information
 - 1.3.1 Research Methodology
 - 1.3.2 Research Process
- 1.3.3 Market Breakdown and Data Triangulation
- 1.3.4 Base Year
- 1.3.5 Report Assumptions & Caveats

2 SOLID PRECURSORS MARKET OVERVIEW

- 2.1 Global Market Overview
- 2.1.1 Global Solid Precursors Market Size (M USD) Estimates and Forecasts (2019-2030)
 - 2.1.2 Global Solid Precursors Sales Estimates and Forecasts (2019-2030)
- 2.2 Market Segment Executive Summary
- 2.3 Global Market Size by Region

3 SOLID PRECURSORS MARKET COMPETITIVE LANDSCAPE

- 3.1 Global Solid Precursors Sales by Manufacturers (2019-2024)
- 3.2 Global Solid Precursors Revenue Market Share by Manufacturers (2019-2024)
- 3.3 Solid Precursors Market Share by Company Type (Tier 1, Tier 2, and Tier 3)
- 3.4 Global Solid Precursors Average Price by Manufacturers (2019-2024)
- 3.5 Manufacturers Solid Precursors Sales Sites, Area Served, Product Type
- 3.6 Solid Precursors Market Competitive Situation and Trends
 - 3.6.1 Solid Precursors Market Concentration Rate
 - 3.6.2 Global 5 and 10 Largest Solid Precursors Players Market Share by Revenue
 - 3.6.3 Mergers & Acquisitions, Expansion

4 SOLID PRECURSORS INDUSTRY CHAIN ANALYSIS

4.1 Solid Precursors Industry Chain Analysis



- 4.2 Market Overview of Key Raw Materials
- 4.3 Midstream Market Analysis
- 4.4 Downstream Customer Analysis

5 THE DEVELOPMENT AND DYNAMICS OF SOLID PRECURSORS MARKET

- 5.1 Key Development Trends
- 5.2 Driving Factors
- 5.3 Market Challenges
- 5.4 Market Restraints
- 5.5 Industry News
 - 5.5.1 New Product Developments
 - 5.5.2 Mergers & Acquisitions
 - 5.5.3 Expansions
- 5.5.4 Collaboration/Supply Contracts
- 5.6 Industry Policies

6 SOLID PRECURSORS MARKET SEGMENTATION BY TYPE

- 6.1 Evaluation Matrix of Segment Market Development Potential (Type)
- 6.2 Global Solid Precursors Sales Market Share by Type (2019-2024)
- 6.3 Global Solid Precursors Market Size Market Share by Type (2019-2024)
- 6.4 Global Solid Precursors Price by Type (2019-2024)

7 SOLID PRECURSORS MARKET SEGMENTATION BY APPLICATION

- 7.1 Evaluation Matrix of Segment Market Development Potential (Application)
- 7.2 Global Solid Precursors Market Sales by Application (2019-2024)
- 7.3 Global Solid Precursors Market Size (M USD) by Application (2019-2024)
- 7.4 Global Solid Precursors Sales Growth Rate by Application (2019-2024)

8 SOLID PRECURSORS MARKET SEGMENTATION BY REGION

- 8.1 Global Solid Precursors Sales by Region
 - 8.1.1 Global Solid Precursors Sales by Region
 - 8.1.2 Global Solid Precursors Sales Market Share by Region
- 8.2 North America
 - 8.2.1 North America Solid Precursors Sales by Country
 - 8.2.2 U.S.



- 8.2.3 Canada
- 8.2.4 Mexico
- 8.3 Europe
 - 8.3.1 Europe Solid Precursors Sales by Country
 - 8.3.2 Germany
 - 8.3.3 France
 - 8.3.4 U.K.
 - 8.3.5 Italy
 - 8.3.6 Russia
- 8.4 Asia Pacific
 - 8.4.1 Asia Pacific Solid Precursors Sales by Region
 - 8.4.2 China
 - 8.4.3 Japan
 - 8.4.4 South Korea
 - 8.4.5 India
 - 8.4.6 Southeast Asia
- 8.5 South America
 - 8.5.1 South America Solid Precursors Sales by Country
 - 8.5.2 Brazil
 - 8.5.3 Argentina
 - 8.5.4 Columbia
- 8.6 Middle East and Africa
 - 8.6.1 Middle East and Africa Solid Precursors Sales by Region
 - 8.6.2 Saudi Arabia
 - 8.6.3 UAE
 - 8.6.4 Egypt
 - 8.6.5 Nigeria
 - 8.6.6 South Africa

9 KEY COMPANIES PROFILE

- 9.1 Entegris
 - 9.1.1 Entegris Solid Precursors Basic Information
 - 9.1.2 Entegris Solid Precursors Product Overview
 - 9.1.3 Entegris Solid Precursors Product Market Performance
 - 9.1.4 Entegris Business Overview
 - 9.1.5 Entegris Solid Precursors SWOT Analysis
 - 9.1.6 Entegris Recent Developments
- 9.2 Merck KGaA



- 9.2.1 Merck KGaA Solid Precursors Basic Information
- 9.2.2 Merck KGaA Solid Precursors Product Overview
- 9.2.3 Merck KGaA Solid Precursors Product Market Performance
- 9.2.4 Merck KGaA Business Overview
- 9.2.5 Merck KGaA Solid Precursors SWOT Analysis
- 9.2.6 Merck KGaA Recent Developments
- 9.3 TANAKA
 - 9.3.1 TANAKA Solid Precursors Basic Information
 - 9.3.2 TANAKA Solid Precursors Product Overview
 - 9.3.3 TANAKA Solid Precursors Product Market Performance
 - 9.3.4 TANAKA Solid Precursors SWOT Analysis
 - 9.3.5 TANAKA Business Overview
 - 9.3.6 TANAKA Recent Developments

10 SOLID PRECURSORS MARKET FORECAST BY REGION

- 10.1 Global Solid Precursors Market Size Forecast
- 10.2 Global Solid Precursors Market Forecast by Region
 - 10.2.1 North America Market Size Forecast by Country
 - 10.2.2 Europe Solid Precursors Market Size Forecast by Country
 - 10.2.3 Asia Pacific Solid Precursors Market Size Forecast by Region
 - 10.2.4 South America Solid Precursors Market Size Forecast by Country
 - 10.2.5 Middle East and Africa Forecasted Consumption of Solid Precursors by Country

11 FORECAST MARKET BY TYPE AND BY APPLICATION (2025-2030)

- 11.1 Global Solid Precursors Market Forecast by Type (2025-2030)
- 11.1.1 Global Forecasted Sales of Solid Precursors by Type (2025-2030)
- 11.1.2 Global Solid Precursors Market Size Forecast by Type (2025-2030)
- 11.1.3 Global Forecasted Price of Solid Precursors by Type (2025-2030)
- 11.2 Global Solid Precursors Market Forecast by Application (2025-2030)
 - 11.2.1 Global Solid Precursors Sales (K Units) Forecast by Application
- 11.2.2 Global Solid Precursors Market Size (M USD) Forecast by Application (2025-2030)

12 CONCLUSION AND KEY FINDINGS



List Of Tables

LIST OF TABLES

- Table 1. Introduction of the Type
- Table 2. Introduction of the Application
- Table 3. Market Size (M USD) Segment Executive Summary
- Table 4. Solid Precursors Market Size Comparison by Region (M USD)
- Table 5. Global Solid Precursors Sales (K Units) by Manufacturers (2019-2024)
- Table 6. Global Solid Precursors Sales Market Share by Manufacturers (2019-2024)
- Table 7. Global Solid Precursors Revenue (M USD) by Manufacturers (2019-2024)
- Table 8. Global Solid Precursors Revenue Share by Manufacturers (2019-2024)
- Table 9. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in Solid Precursors as of 2022)
- Table 10. Global Market Solid Precursors Average Price (USD/Unit) of Key Manufacturers (2019-2024)
- Table 11. Manufacturers Solid Precursors Sales Sites and Area Served
- Table 12. Manufacturers Solid Precursors Product Type
- Table 13. Global Solid Precursors Manufacturers Market Concentration Ratio (CR5 and HHI)
- Table 14. Mergers & Acquisitions, Expansion Plans
- Table 15. Industry Chain Map of Solid Precursors
- Table 16. Market Overview of Key Raw Materials
- Table 17. Midstream Market Analysis
- Table 18. Downstream Customer Analysis
- Table 19. Key Development Trends
- Table 20. Driving Factors
- Table 21. Solid Precursors Market Challenges
- Table 22. Global Solid Precursors Sales by Type (K Units)
- Table 23. Global Solid Precursors Market Size by Type (M USD)
- Table 24. Global Solid Precursors Sales (K Units) by Type (2019-2024)
- Table 25. Global Solid Precursors Sales Market Share by Type (2019-2024)
- Table 26. Global Solid Precursors Market Size (M USD) by Type (2019-2024)
- Table 27. Global Solid Precursors Market Size Share by Type (2019-2024)
- Table 28. Global Solid Precursors Price (USD/Unit) by Type (2019-2024)
- Table 29. Global Solid Precursors Sales (K Units) by Application
- Table 30. Global Solid Precursors Market Size by Application
- Table 31. Global Solid Precursors Sales by Application (2019-2024) & (K Units)
- Table 32. Global Solid Precursors Sales Market Share by Application (2019-2024)



- Table 33. Global Solid Precursors Sales by Application (2019-2024) & (M USD)
- Table 34. Global Solid Precursors Market Share by Application (2019-2024)
- Table 35. Global Solid Precursors Sales Growth Rate by Application (2019-2024)
- Table 36. Global Solid Precursors Sales by Region (2019-2024) & (K Units)
- Table 37. Global Solid Precursors Sales Market Share by Region (2019-2024)
- Table 38. North America Solid Precursors Sales by Country (2019-2024) & (K Units)
- Table 39. Europe Solid Precursors Sales by Country (2019-2024) & (K Units)
- Table 40. Asia Pacific Solid Precursors Sales by Region (2019-2024) & (K Units)
- Table 41. South America Solid Precursors Sales by Country (2019-2024) & (K Units)
- Table 42. Middle East and Africa Solid Precursors Sales by Region (2019-2024) & (K Units)
- Table 43. Entegris Solid Precursors Basic Information
- Table 44. Entegris Solid Precursors Product Overview
- Table 45. Entegris Solid Precursors Sales (K Units), Revenue (M USD), Price
- (USD/Unit) and Gross Margin (2019-2024)
- Table 46. Entegris Business Overview
- Table 47. Entegris Solid Precursors SWOT Analysis
- Table 48. Entegris Recent Developments
- Table 49. Merck KGaA Solid Precursors Basic Information
- Table 50. Merck KGaA Solid Precursors Product Overview
- Table 51. Merck KGaA Solid Precursors Sales (K Units), Revenue (M USD), Price
- (USD/Unit) and Gross Margin (2019-2024)
- Table 52. Merck KGaA Business Overview
- Table 53. Merck KGaA Solid Precursors SWOT Analysis
- Table 54. Merck KGaA Recent Developments
- Table 55. TANAKA Solid Precursors Basic Information
- Table 56. TANAKA Solid Precursors Product Overview
- Table 57. TANAKA Solid Precursors Sales (K Units), Revenue (M USD), Price
- (USD/Unit) and Gross Margin (2019-2024)
- Table 58. TANAKA Solid Precursors SWOT Analysis
- Table 59. TANAKA Business Overview
- Table 60. TANAKA Recent Developments
- Table 61. Global Solid Precursors Sales Forecast by Region (2025-2030) & (K Units)
- Table 62. Global Solid Precursors Market Size Forecast by Region (2025-2030) & (M USD)
- Table 63. North America Solid Precursors Sales Forecast by Country (2025-2030) & (K Units)
- Table 64. North America Solid Precursors Market Size Forecast by Country (2025-2030) & (M USD)



- Table 65. Europe Solid Precursors Sales Forecast by Country (2025-2030) & (K Units)
- Table 66. Europe Solid Precursors Market Size Forecast by Country (2025-2030) & (M USD)
- Table 67. Asia Pacific Solid Precursors Sales Forecast by Region (2025-2030) & (K Units)
- Table 68. Asia Pacific Solid Precursors Market Size Forecast by Region (2025-2030) & (M USD)
- Table 69. South America Solid Precursors Sales Forecast by Country (2025-2030) & (K Units)
- Table 70. South America Solid Precursors Market Size Forecast by Country (2025-2030) & (M USD)
- Table 71. Middle East and Africa Solid Precursors Consumption Forecast by Country (2025-2030) & (Units)
- Table 72. Middle East and Africa Solid Precursors Market Size Forecast by Country (2025-2030) & (M USD)
- Table 73. Global Solid Precursors Sales Forecast by Type (2025-2030) & (K Units)
- Table 74. Global Solid Precursors Market Size Forecast by Type (2025-2030) & (M USD)
- Table 75. Global Solid Precursors Price Forecast by Type (2025-2030) & (USD/Unit)
- Table 76. Global Solid Precursors Sales (K Units) Forecast by Application (2025-2030)
- Table 77. Global Solid Precursors Market Size Forecast by Application (2025-2030) & (M USD)



List Of Figures

LIST OF FIGURES

- Figure 1. Product Picture of Solid Precursors
- Figure 2. Data Triangulation
- Figure 3. Key Caveats
- Figure 4. Global Solid Precursors Market Size (M USD), 2019-2030
- Figure 5. Global Solid Precursors Market Size (M USD) (2019-2030)
- Figure 6. Global Solid Precursors Sales (K Units) & (2019-2030)
- Figure 7. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 8. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 9. Evaluation Matrix of Regional Market Development Potential
- Figure 10. Solid Precursors Market Size by Country (M USD)
- Figure 11. Solid Precursors Sales Share by Manufacturers in 2023
- Figure 12. Global Solid Precursors Revenue Share by Manufacturers in 2023
- Figure 13. Solid Precursors Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2023
- Figure 14. Global Market Solid Precursors Average Price (USD/Unit) of Key Manufacturers in 2023
- Figure 15. The Global 5 and 10 Largest Players: Market Share by Solid Precursors Revenue in 2023
- Figure 16. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 17. Global Solid Precursors Market Share by Type
- Figure 18. Sales Market Share of Solid Precursors by Type (2019-2024)
- Figure 19. Sales Market Share of Solid Precursors by Type in 2023
- Figure 20. Market Size Share of Solid Precursors by Type (2019-2024)
- Figure 21. Market Size Market Share of Solid Precursors by Type in 2023
- Figure 22. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 23. Global Solid Precursors Market Share by Application
- Figure 24. Global Solid Precursors Sales Market Share by Application (2019-2024)
- Figure 25. Global Solid Precursors Sales Market Share by Application in 2023
- Figure 26. Global Solid Precursors Market Share by Application (2019-2024)
- Figure 27. Global Solid Precursors Market Share by Application in 2023
- Figure 28. Global Solid Precursors Sales Growth Rate by Application (2019-2024)
- Figure 29. Global Solid Precursors Sales Market Share by Region (2019-2024)
- Figure 30. North America Solid Precursors Sales and Growth Rate (2019-2024) & (K Units)
- Figure 31. North America Solid Precursors Sales Market Share by Country in 2023



- Figure 32. U.S. Solid Precursors Sales and Growth Rate (2019-2024) & (K Units)
- Figure 33. Canada Solid Precursors Sales (K Units) and Growth Rate (2019-2024)
- Figure 34. Mexico Solid Precursors Sales (Units) and Growth Rate (2019-2024)
- Figure 35. Europe Solid Precursors Sales and Growth Rate (2019-2024) & (K Units)
- Figure 36. Europe Solid Precursors Sales Market Share by Country in 2023
- Figure 37. Germany Solid Precursors Sales and Growth Rate (2019-2024) & (K Units)
- Figure 38. France Solid Precursors Sales and Growth Rate (2019-2024) & (K Units)
- Figure 39. U.K. Solid Precursors Sales and Growth Rate (2019-2024) & (K Units)
- Figure 40. Italy Solid Precursors Sales and Growth Rate (2019-2024) & (K Units)
- Figure 41. Russia Solid Precursors Sales and Growth Rate (2019-2024) & (K Units)
- Figure 42. Asia Pacific Solid Precursors Sales and Growth Rate (K Units)
- Figure 43. Asia Pacific Solid Precursors Sales Market Share by Region in 2023
- Figure 44. China Solid Precursors Sales and Growth Rate (2019-2024) & (K Units)
- Figure 45. Japan Solid Precursors Sales and Growth Rate (2019-2024) & (K Units)
- Figure 46. South Korea Solid Precursors Sales and Growth Rate (2019-2024) & (K Units)
- Figure 47. India Solid Precursors Sales and Growth Rate (2019-2024) & (K Units)
- Figure 48. Southeast Asia Solid Precursors Sales and Growth Rate (2019-2024) & (K Units)
- Figure 49. South America Solid Precursors Sales and Growth Rate (K Units)
- Figure 50. South America Solid Precursors Sales Market Share by Country in 2023
- Figure 51. Brazil Solid Precursors Sales and Growth Rate (2019-2024) & (K Units)
- Figure 52. Argentina Solid Precursors Sales and Growth Rate (2019-2024) & (K Units)
- Figure 53. Columbia Solid Precursors Sales and Growth Rate (2019-2024) & (K Units)
- Figure 54. Middle East and Africa Solid Precursors Sales and Growth Rate (K Units)
- Figure 55. Middle East and Africa Solid Precursors Sales Market Share by Region in 2023
- Figure 56. Saudi Arabia Solid Precursors Sales and Growth Rate (2019-2024) & (K Units)
- Figure 57. UAE Solid Precursors Sales and Growth Rate (2019-2024) & (K Units)
- Figure 58. Egypt Solid Precursors Sales and Growth Rate (2019-2024) & (K Units)
- Figure 59. Nigeria Solid Precursors Sales and Growth Rate (2019-2024) & (K Units)
- Figure 60. South Africa Solid Precursors Sales and Growth Rate (2019-2024) & (K Units)
- Figure 61. Global Solid Precursors Sales Forecast by Volume (2019-2030) & (K Units)
- Figure 62. Global Solid Precursors Market Size Forecast by Value (2019-2030) & (M USD)
- Figure 63. Global Solid Precursors Sales Market Share Forecast by Type (2025-2030)
- Figure 64. Global Solid Precursors Market Share Forecast by Type (2025-2030)



Figure 65. Global Solid Precursors Sales Forecast by Application (2025-2030) Figure 66. Global Solid Precursors Market Share Forecast by Application (2025-2030)



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