

Global Magnesium-based Solid Hydrogen Storage Material Supply, Demand and Key Producers, 2023-2029

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Abstracts

The global Magnesium-based Solid Hydrogen Storage Material market size is expected to reach \$ 284.5 million by 2029, rising at a market growth of 57.1% CAGR during the forecast period (2023-2029).

MG Power, GRIMAT and Shanghai H2store Energy Technology are top 3 manufacturers of magnesium-based solid hydrogen storage material, accounting for 65%. Other giants in the industry include Biocoke Lab, Sigma Aldrich and Jiangsu JITRI Advanced Energy Materials, etc.

Americas is the largest market by region, making up over 50%, followed by APAC and Europe.

Based on the shape of material, the product can be divided into 2 types--powder and block solid hydrogen storage material, where the powder gains a share over 70%.

In terms of application, new energy and medical are two main segments. And new energy is the largest one, holding a share about 80%.

Magnesium based solid hydrogen storage materials, also known as magnesium based hydrogen storage materials, refer to a type of metal solid hydrogen storage materials that have the advantages of large hydrogen storage capacity, low production cost, and abundant raw materials. The main component of magnesium based solid hydrogen storage materials is magnesium hydride with a purity of over 99%, with impurities such as magnesium and trace amounts of other metal elements. The currently mature magnesium based solid hydrogen storage material is magnesium based hydrogen

storage alloy.

Due to the fact that most manufacturers produce magnesium based solid-state hydrogen storage materials for their own use in the production of solid-state hydrogen storage equipment. The product price cannot be obtained, so the report provided only includes income data. Excluding product prices and sales volume.

This report studies the global Magnesium-based Solid Hydrogen Storage Material production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Magnesium-based Solid Hydrogen Storage Material, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Magnesium-based Solid Hydrogen Storage Material that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Magnesium-based Solid Hydrogen Storage Material total production and demand, 2018-2029, (Sqm)

Global Magnesium-based Solid Hydrogen Storage Material total production value, 2018-2029, (USD Million)

Global Magnesium-based Solid Hydrogen Storage Material production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (Sqm)

Global Magnesium-based Solid Hydrogen Storage Material consumption by region & country, CAGR, 2018-2029 & (Sqm)

U.S. VS China: Magnesium-based Solid Hydrogen Storage Material domestic production, consumption, key domestic manufacturers and share

Global Magnesium-based Solid Hydrogen Storage Material production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (Sqm)

Global Magnesium-based Solid Hydrogen Storage Material production by Type, production, value, CAGR, 2018-2029, (USD Million) & (Sqm)

Global Magnesium-based Solid Hydrogen Storage Material production by Application production, value, CAGR, 2018-2029, (USD Million) & (Sqm)

This reports profiles key players in the global Magnesium-based Solid Hydrogen Storage Material market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include MG Power, GRIMAT, Shanghai H2store Energy Technology, Biocoke Lab, Sigma Aldrich and Jiangsu JITRI Advanced Energy Materials, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Magnesium-based Solid Hydrogen Storage Material market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Sqm) and average price (US\$/Sqm) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global Magnesium-based Solid Hydrogen Storage Material Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Magnesium-based Solid Hydrogen Storage Material Market, Segmentation by Type

Powder Solid Hydrogen Storage Material

Block Solid Hydrogen Storage Material

Global Magnesium-based Solid Hydrogen Storage Material Market, Segmentation by Application

New Energy

Medical

Others

Companies Profiled:

MG Power

GRIMAT

Shanghai H2store Energy Technology

Biocoke Lab

Sigma Aldrich

Jiangsu JITRI Advanced Energy Materials

Key Questions Answered

1. How big is the global Magnesium-based Solid Hydrogen Storage Material market?
2. What is the demand of the global Magnesium-based Solid Hydrogen Storage Material market?
3. What is the year over year growth of the global Magnesium-based Solid Hydrogen Storage Material market?
4. What is the production and production value of the global Magnesium-based Solid Hydrogen Storage Material market?
5. Who are the key producers in the global Magnesium-based Solid Hydrogen Storage Material market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 Magnesium-based Solid Hydrogen Storage Material Introduction
- 1.2 World Magnesium-based Solid Hydrogen Storage Material Supply & Forecast
 - 1.2.1 World Magnesium-based Solid Hydrogen Storage Material Production Value (2018 & 2022 & 2029)
 - 1.2.2 World Magnesium-based Solid Hydrogen Storage Material Production (2018-2029)
 - 1.2.3 World Magnesium-based Solid Hydrogen Storage Material Pricing Trends (2018-2029)
- 1.3 World Magnesium-based Solid Hydrogen Storage Material Production by Region (Based on Production Site)
 - 1.3.1 World Magnesium-based Solid Hydrogen Storage Material Production Value by Region (2018-2029)
 - 1.3.2 World Magnesium-based Solid Hydrogen Storage Material Production by Region (2018-2029)
 - 1.3.3 World Magnesium-based Solid Hydrogen Storage Material Average Price by Region (2018-2029)
 - 1.3.4 North America Magnesium-based Solid Hydrogen Storage Material Production (2018-2029)
 - 1.3.5 Japan Magnesium-based Solid Hydrogen Storage Material Production (2018-2029)
 - 1.3.6 China Magnesium-based Solid Hydrogen Storage Material Production (2018-2029)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 Magnesium-based Solid Hydrogen Storage Material Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Magnesium-based Solid Hydrogen Storage Material Major Market Trends
- 1.5 Influence of COVID-19 and Russia-Ukraine War
 - 1.5.1 Influence of COVID-19
 - 1.5.2 Influence of Russia-Ukraine War

2 DEMAND SUMMARY

- 2.1 World Magnesium-based Solid Hydrogen Storage Material Demand (2018-2029)
- 2.2 World Magnesium-based Solid Hydrogen Storage Material Consumption by Region
 - 2.2.1 World Magnesium-based Solid Hydrogen Storage Material Consumption by

Region (2018-2023)

2.2.2 World Magnesium-based Solid Hydrogen Storage Material Consumption

Forecast by Region (2024-2029)

2.3 United States Magnesium-based Solid Hydrogen Storage Material Consumption (2018-2029)

2.4 China Magnesium-based Solid Hydrogen Storage Material Consumption (2018-2029)

2.5 Europe Magnesium-based Solid Hydrogen Storage Material Consumption (2018-2029)

2.6 Japan Magnesium-based Solid Hydrogen Storage Material Consumption (2018-2029)

2.7 South Korea Magnesium-based Solid Hydrogen Storage Material Consumption (2018-2029)

2.8 ASEAN Magnesium-based Solid Hydrogen Storage Material Consumption (2018-2029)

2.9 India Magnesium-based Solid Hydrogen Storage Material Consumption (2018-2029)

3 WORLD MAGNESIUM-BASED SOLID HYDROGEN STORAGE MATERIAL MANUFACTURERS COMPETITIVE ANALYSIS

3.1 World Magnesium-based Solid Hydrogen Storage Material Production Value by Manufacturer (2018-2023)

3.2 World Magnesium-based Solid Hydrogen Storage Material Production by Manufacturer (2018-2023)

3.3 World Magnesium-based Solid Hydrogen Storage Material Average Price by Manufacturer (2018-2023)

3.4 Magnesium-based Solid Hydrogen Storage Material Company Evaluation Quadrant

3.5 Industry Rank and Concentration Rate (CR)

3.5.1 Global Magnesium-based Solid Hydrogen Storage Material Industry Rank of Major Manufacturers

3.5.2 Global Concentration Ratios (CR4) for Magnesium-based Solid Hydrogen Storage Material in 2022

3.5.3 Global Concentration Ratios (CR8) for Magnesium-based Solid Hydrogen Storage Material in 2022

3.6 Magnesium-based Solid Hydrogen Storage Material Market: Overall Company Footprint Analysis

3.6.1 Magnesium-based Solid Hydrogen Storage Material Market: Region Footprint

3.6.2 Magnesium-based Solid Hydrogen Storage Material Market: Company Product Type Footprint

3.6.3 Magnesium-based Solid Hydrogen Storage Material Market: Company Product Application Footprint

3.7 Competitive Environment

3.7.1 Historical Structure of the Industry

3.7.2 Barriers of Market Entry

3.7.3 Factors of Competition

3.8 New Entrant and Capacity Expansion Plans

3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

4.1 United States VS China: Magnesium-based Solid Hydrogen Storage Material Production Value Comparison

4.1.1 United States VS China: Magnesium-based Solid Hydrogen Storage Material Production Value Comparison (2018 & 2022 & 2029)

4.1.2 United States VS China: Magnesium-based Solid Hydrogen Storage Material Production Value Market Share Comparison (2018 & 2022 & 2029)

4.2 United States VS China: Magnesium-based Solid Hydrogen Storage Material Production Comparison

4.2.1 United States VS China: Magnesium-based Solid Hydrogen Storage Material Production Comparison (2018 & 2022 & 2029)

4.2.2 United States VS China: Magnesium-based Solid Hydrogen Storage Material Production Market Share Comparison (2018 & 2022 & 2029)

4.3 United States VS China: Magnesium-based Solid Hydrogen Storage Material Consumption Comparison

4.3.1 United States VS China: Magnesium-based Solid Hydrogen Storage Material Consumption Comparison (2018 & 2022 & 2029)

4.3.2 United States VS China: Magnesium-based Solid Hydrogen Storage Material Consumption Market Share Comparison (2018 & 2022 & 2029)

4.4 United States Based Magnesium-based Solid Hydrogen Storage Material Manufacturers and Market Share, 2018-2023

4.4.1 United States Based Magnesium-based Solid Hydrogen Storage Material Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Magnesium-based Solid Hydrogen Storage Material Production Value (2018-2023)

4.4.3 United States Based Manufacturers Magnesium-based Solid Hydrogen Storage Material Production (2018-2023)

4.5 China Based Magnesium-based Solid Hydrogen Storage Material Manufacturers and Market Share

4.5.1 China Based Magnesium-based Solid Hydrogen Storage Material Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Magnesium-based Solid Hydrogen Storage Material Production Value (2018-2023)

4.5.3 China Based Manufacturers Magnesium-based Solid Hydrogen Storage Material Production (2018-2023)

4.6 Rest of World Based Magnesium-based Solid Hydrogen Storage Material Manufacturers and Market Share, 2018-2023

4.6.1 Rest of World Based Magnesium-based Solid Hydrogen Storage Material Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Magnesium-based Solid Hydrogen Storage Material Production Value (2018-2023)

4.6.3 Rest of World Based Manufacturers Magnesium-based Solid Hydrogen Storage Material Production (2018-2023)

5 MARKET ANALYSIS BY TYPE

5.1 World Magnesium-based Solid Hydrogen Storage Material Market Size Overview by Type: 2018 VS 2022 VS 2029

5.2 Segment Introduction by Type

5.2.1 Powder Solid Hydrogen Storage Material

5.2.2 Block Solid Hydrogen Storage Material

5.3 Market Segment by Type

5.3.1 World Magnesium-based Solid Hydrogen Storage Material Production by Type (2018-2029)

5.3.2 World Magnesium-based Solid Hydrogen Storage Material Production Value by Type (2018-2029)

5.3.3 World Magnesium-based Solid Hydrogen Storage Material Average Price by Type (2018-2029)

6 MARKET ANALYSIS BY APPLICATION

6.1 World Magnesium-based Solid Hydrogen Storage Material Market Size Overview by Application: 2018 VS 2022 VS 2029

6.2 Segment Introduction by Application

6.2.1 New Energy

6.2.2 Medical

6.2.3 Others

6.3 Market Segment by Application

6.3.1 World Magnesium-based Solid Hydrogen Storage Material Production by Application (2018-2029)

6.3.2 World Magnesium-based Solid Hydrogen Storage Material Production Value by Application (2018-2029)

6.3.3 World Magnesium-based Solid Hydrogen Storage Material Average Price by Application (2018-2029)

7 COMPANY PROFILES

7.1 MG Power

7.1.1 MG Power Details

7.1.2 MG Power Major Business

7.1.3 MG Power Magnesium-based Solid Hydrogen Storage Material Product and Services

7.1.4 MG Power Magnesium-based Solid Hydrogen Storage Material Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.1.5 MG Power Recent Developments/Updates

7.1.6 MG Power Competitive Strengths & Weaknesses

7.2 GRIMAT

7.2.1 GRIMAT Details

7.2.2 GRIMAT Major Business

7.2.3 GRIMAT Magnesium-based Solid Hydrogen Storage Material Product and Services

7.2.4 GRIMAT Magnesium-based Solid Hydrogen Storage Material Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.2.5 GRIMAT Recent Developments/Updates

7.2.6 GRIMAT Competitive Strengths & Weaknesses

7.3 Shanghai H2store Energy Technology

7.3.1 Shanghai H2store Energy Technology Details

7.3.2 Shanghai H2store Energy Technology Major Business

7.3.3 Shanghai H2store Energy Technology Magnesium-based Solid Hydrogen Storage Material Product and Services

7.3.4 Shanghai H2store Energy Technology Magnesium-based Solid Hydrogen Storage Material Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.3.5 Shanghai H2store Energy Technology Recent Developments/Updates

7.3.6 Shanghai H2store Energy Technology Competitive Strengths & Weaknesses

7.4 Biocoke Lab

7.4.1 Biocoke Lab Details

7.4.2 Biocoke Lab Major Business

7.4.3 Biocoke Lab Magnesium-based Solid Hydrogen Storage Material Product and Services

7.4.4 Biocoke Lab Magnesium-based Solid Hydrogen Storage Material Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.4.5 Biocoke Lab Recent Developments/Updates

7.4.6 Biocoke Lab Competitive Strengths & Weaknesses

7.5 Sigma Aldrich

7.5.1 Sigma Aldrich Details

7.5.2 Sigma Aldrich Major Business

7.5.3 Sigma Aldrich Magnesium-based Solid Hydrogen Storage Material Product and Services

7.5.4 Sigma Aldrich Magnesium-based Solid Hydrogen Storage Material Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.5.5 Sigma Aldrich Recent Developments/Updates

7.5.6 Sigma Aldrich Competitive Strengths & Weaknesses

7.6 Jiangsu JITRI Advanced Energy Materials

7.6.1 Jiangsu JITRI Advanced Energy Materials Details

7.6.2 Jiangsu JITRI Advanced Energy Materials Major Business

7.6.3 Jiangsu JITRI Advanced Energy Materials Magnesium-based Solid Hydrogen Storage Material Product and Services

7.6.4 Jiangsu JITRI Advanced Energy Materials Magnesium-based Solid Hydrogen Storage Material Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.6.5 Jiangsu JITRI Advanced Energy Materials Recent Developments/Updates

7.6.6 Jiangsu JITRI Advanced Energy Materials Competitive Strengths & Weaknesses

8 INDUSTRY CHAIN ANALYSIS

8.1 Magnesium-based Solid Hydrogen Storage Material Industry Chain

8.2 Magnesium-based Solid Hydrogen Storage Material Upstream Analysis

8.2.1 Magnesium-based Solid Hydrogen Storage Material Core Raw Materials

8.2.2 Main Manufacturers of Magnesium-based Solid Hydrogen Storage Material Core Raw Materials

8.3 Midstream Analysis

8.4 Downstream Analysis

8.5 Magnesium-based Solid Hydrogen Storage Material Production Mode

8.6 Magnesium-based Solid Hydrogen Storage Material Procurement Model

8.7 Magnesium-based Solid Hydrogen Storage Material Industry Sales Model and Sales Channels

8.7.1 Magnesium-based Solid Hydrogen Storage Material Sales Model

8.7.2 Magnesium-based Solid Hydrogen Storage Material Typical Customers

9 RESEARCH FINDINGS AND CONCLUSION

10 APPENDIX

10.1 Methodology

10.2 Research Process and Data Source

10.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World Magnesium-based Solid Hydrogen Storage Material Production Value by Region (2018, 2022 and 2029) & (USD Million)

Table 2. World Magnesium-based Solid Hydrogen Storage Material Production Value by Region (2018-2023) & (USD Million)

Table 3. World Magnesium-based Solid Hydrogen Storage Material Production Value by Region (2024-2029) & (USD Million)

Table 4. World Magnesium-based Solid Hydrogen Storage Material Production Value Market Share by Region (2018-2023)

Table 5. World Magnesium-based Solid Hydrogen Storage Material Production Value Market Share by Region (2024-2029)

Table 6. World Magnesium-based Solid Hydrogen Storage Material Production by Region (2018-2023) & (Sqm)

Table 7. World Magnesium-based Solid Hydrogen Storage Material Production by Region (2024-2029) & (Sqm)

Table 8. World Magnesium-based Solid Hydrogen Storage Material Production Market Share by Region (2018-2023)

Table 9. World Magnesium-based Solid Hydrogen Storage Material Production Market Share by Region (2024-2029)

Table 10. World Magnesium-based Solid Hydrogen Storage Material Average Price by Region (2018-2023) & (US\$/Sqm)

Table 11. World Magnesium-based Solid Hydrogen Storage Material Average Price by Region (2024-2029) & (US\$/Sqm)

Table 12. Magnesium-based Solid Hydrogen Storage Material Major Market Trends

Table 13. World Magnesium-based Solid Hydrogen Storage Material Consumption Growth Rate Forecast by Region (2018 & 2022 & 2029) & (Sqm)

Table 14. World Magnesium-based Solid Hydrogen Storage Material Consumption by Region (2018-2023) & (Sqm)

Table 15. World Magnesium-based Solid Hydrogen Storage Material Consumption Forecast by Region (2024-2029) & (Sqm)

Table 16. World Magnesium-based Solid Hydrogen Storage Material Production Value by Manufacturer (2018-2023) & (USD Million)

Table 17. Production Value Market Share of Key Magnesium-based Solid Hydrogen Storage Material Producers in 2022

Table 18. World Magnesium-based Solid Hydrogen Storage Material Production by Manufacturer (2018-2023) & (Sqm)

Table 19. Production Market Share of Key Magnesium-based Solid Hydrogen Storage Material Producers in 2022

Table 20. World Magnesium-based Solid Hydrogen Storage Material Average Price by Manufacturer (2018-2023) & (US\$/Sqm)

Table 21. Global Magnesium-based Solid Hydrogen Storage Material Company Evaluation Quadrant

Table 22. World Magnesium-based Solid Hydrogen Storage Material Industry Rank of Major Manufacturers, Based on Production Value in 2022

Table 23. Head Office and Magnesium-based Solid Hydrogen Storage Material Production Site of Key Manufacturer

Table 24. Magnesium-based Solid Hydrogen Storage Material Market: Company Product Type Footprint

Table 25. Magnesium-based Solid Hydrogen Storage Material Market: Company Product Application Footprint

Table 26. Magnesium-based Solid Hydrogen Storage Material Competitive Factors

Table 27. Magnesium-based Solid Hydrogen Storage Material New Entrant and Capacity Expansion Plans

Table 28. Magnesium-based Solid Hydrogen Storage Material Mergers & Acquisitions Activity

Table 29. United States VS China Magnesium-based Solid Hydrogen Storage Material Production Value Comparison, (2018 & 2022 & 2029) & (USD Million)

Table 30. United States VS China Magnesium-based Solid Hydrogen Storage Material Production Comparison, (2018 & 2022 & 2029) & (Sqm)

Table 31. United States VS China Magnesium-based Solid Hydrogen Storage Material Consumption Comparison, (2018 & 2022 & 2029) & (Sqm)

Table 32. United States Based Magnesium-based Solid Hydrogen Storage Material Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Magnesium-based Solid Hydrogen Storage Material Production Value, (2018-2023) & (USD Million)

Table 34. United States Based Manufacturers Magnesium-based Solid Hydrogen Storage Material Production Value Market Share (2018-2023)

Table 35. United States Based Manufacturers Magnesium-based Solid Hydrogen Storage Material Production (2018-2023) & (Sqm)

Table 36. United States Based Manufacturers Magnesium-based Solid Hydrogen Storage Material Production Market Share (2018-2023)

Table 37. China Based Magnesium-based Solid Hydrogen Storage Material Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Magnesium-based Solid Hydrogen Storage Material Production Value, (2018-2023) & (USD Million)

Table 39. China Based Manufacturers Magnesium-based Solid Hydrogen Storage Material Production Value Market Share (2018-2023)

Table 40. China Based Manufacturers Magnesium-based Solid Hydrogen Storage Material Production (2018-2023) & (Sqm)

Table 41. China Based Manufacturers Magnesium-based Solid Hydrogen Storage Material Production Market Share (2018-2023)

Table 42. Rest of World Based Magnesium-based Solid Hydrogen Storage Material Manufacturers, Headquarters and Production Site (States, Country)

Table 43. Rest of World Based Manufacturers Magnesium-based Solid Hydrogen Storage Material Production Value, (2018-2023) & (USD Million)

Table 44. Rest of World Based Manufacturers Magnesium-based Solid Hydrogen Storage Material Production Value Market Share (2018-2023)

Table 45. Rest of World Based Manufacturers Magnesium-based Solid Hydrogen Storage Material Production (2018-2023) & (Sqm)

Table 46. Rest of World Based Manufacturers Magnesium-based Solid Hydrogen Storage Material Production Market Share (2018-2023)

Table 47. World Magnesium-based Solid Hydrogen Storage Material Production Value by Type, (USD Million), 2018 & 2022 & 2029

Table 48. World Magnesium-based Solid Hydrogen Storage Material Production by Type (2018-2023) & (Sqm)

Table 49. World Magnesium-based Solid Hydrogen Storage Material Production by Type (2024-2029) & (Sqm)

Table 50. World Magnesium-based Solid Hydrogen Storage Material Production Value by Type (2018-2023) & (USD Million)

Table 51. World Magnesium-based Solid Hydrogen Storage Material Production Value by Type (2024-2029) & (USD Million)

Table 52. World Magnesium-based Solid Hydrogen Storage Material Average Price by Type (2018-2023) & (US\$/Sqm)

Table 53. World Magnesium-based Solid Hydrogen Storage Material Average Price by Type (2024-2029) & (US\$/Sqm)

Table 54. World Magnesium-based Solid Hydrogen Storage Material Production Value by Application, (USD Million), 2018 & 2022 & 2029

Table 55. World Magnesium-based Solid Hydrogen Storage Material Production by Application (2018-2023) & (Sqm)

Table 56. World Magnesium-based Solid Hydrogen Storage Material Production by Application (2024-2029) & (Sqm)

Table 57. World Magnesium-based Solid Hydrogen Storage Material Production Value by Application (2018-2023) & (USD Million)

Table 58. World Magnesium-based Solid Hydrogen Storage Material Production Value

by Application (2024-2029) & (USD Million)

Table 59. World Magnesium-based Solid Hydrogen Storage Material Average Price by Application (2018-2023) & (US\$/Sqm)

Table 60. World Magnesium-based Solid Hydrogen Storage Material Average Price by Application (2024-2029) & (US\$/Sqm)

Table 61. MG Power Basic Information, Manufacturing Base and Competitors

Table 62. MG Power Major Business

Table 63. MG Power Magnesium-based Solid Hydrogen Storage Material Product and Services

Table 64. MG Power Magnesium-based Solid Hydrogen Storage Material Production (Sqm), Price (US\$/Sqm), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 65. MG Power Recent Developments/Updates

Table 66. MG Power Competitive Strengths & Weaknesses

Table 67. GRIMAT Basic Information, Manufacturing Base and Competitors

Table 68. GRIMAT Major Business

Table 69. GRIMAT Magnesium-based Solid Hydrogen Storage Material Product and Services

Table 70. GRIMAT Magnesium-based Solid Hydrogen Storage Material Production (Sqm), Price (US\$/Sqm), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 71. GRIMAT Recent Developments/Updates

Table 72. GRIMAT Competitive Strengths & Weaknesses

Table 73. Shanghai H2store Energy Technology Basic Information, Manufacturing Base and Competitors

Table 74. Shanghai H2store Energy Technology Major Business

Table 75. Shanghai H2store Energy Technology Magnesium-based Solid Hydrogen Storage Material Product and Services

Table 76. Shanghai H2store Energy Technology Magnesium-based Solid Hydrogen Storage Material Production (Sqm), Price (US\$/Sqm), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 77. Shanghai H2store Energy Technology Recent Developments/Updates

Table 78. Shanghai H2store Energy Technology Competitive Strengths & Weaknesses

Table 79. Biocoke Lab Basic Information, Manufacturing Base and Competitors

Table 80. Biocoke Lab Major Business

Table 81. Biocoke Lab Magnesium-based Solid Hydrogen Storage Material Product and Services

Table 82. Biocoke Lab Magnesium-based Solid Hydrogen Storage Material Production (Sqm), Price (US\$/Sqm), Production Value (USD Million), Gross Margin and Market

Share (2018-2023)

Table 83. Biocoke Lab Recent Developments/Updates

Table 84. Biocoke Lab Competitive Strengths & Weaknesses

Table 85. Sigma Aldrich Basic Information, Manufacturing Base and Competitors

Table 86. Sigma Aldrich Major Business

Table 87. Sigma Aldrich Magnesium-based Solid Hydrogen Storage Material Product and Services

Table 88. Sigma Aldrich Magnesium-based Solid Hydrogen Storage Material Production (Sqm), Price (US\$/Sqm), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 89. Sigma Aldrich Recent Developments/Updates

Table 90. Jiangsu JITRI Advanced Energy Materials Basic Information, Manufacturing Base and Competitors

Table 91. Jiangsu JITRI Advanced Energy Materials Major Business

Table 92. Jiangsu JITRI Advanced Energy Materials Magnesium-based Solid Hydrogen Storage Material Product and Services

Table 93. Jiangsu JITRI Advanced Energy Materials Magnesium-based Solid Hydrogen Storage Material Production (Sqm), Price (US\$/Sqm), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 94. Global Key Players of Magnesium-based Solid Hydrogen Storage Material Upstream (Raw Materials)

Table 95. Magnesium-based Solid Hydrogen Storage Material Typical Customers

Table 96. Magnesium-based Solid Hydrogen Storage Material Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. Magnesium-based Solid Hydrogen Storage Material Picture

Figure 2. World Magnesium-based Solid Hydrogen Storage Material Production Value: 2018 & 2022 & 2029, (USD Million)

Figure 3. World Magnesium-based Solid Hydrogen Storage Material Production Value and Forecast (2018-2029) & (USD Million)

Figure 4. World Magnesium-based Solid Hydrogen Storage Material Production (2018-2029) & (Sqm)

Figure 5. World Magnesium-based Solid Hydrogen Storage Material Average Price (2018-2029) & (US\$/Sqm)

Figure 6. World Magnesium-based Solid Hydrogen Storage Material Production Value Market Share by Region (2018-2029)

Figure 7. World Magnesium-based Solid Hydrogen Storage Material Production Market Share by Region (2018-2029)

Figure 8. North America Magnesium-based Solid Hydrogen Storage Material Production (2018-2029) & (Sqm)

Figure 9. Japan Magnesium-based Solid Hydrogen Storage Material Production (2018-2029) & (Sqm)

Figure 10. China Magnesium-based Solid Hydrogen Storage Material Production (2018-2029) & (Sqm)

Figure 11. Magnesium-based Solid Hydrogen Storage Material Market Drivers

Figure 12. Factors Affecting Demand

Figure 13. World Magnesium-based Solid Hydrogen Storage Material Consumption (2018-2029) & (Sqm)

Figure 14. World Magnesium-based Solid Hydrogen Storage Material Consumption Market Share by Region (2018-2029)

Figure 15. United States Magnesium-based Solid Hydrogen Storage Material Consumption (2018-2029) & (Sqm)

Figure 16. China Magnesium-based Solid Hydrogen Storage Material Consumption (2018-2029) & (Sqm)

Figure 17. Europe Magnesium-based Solid Hydrogen Storage Material Consumption (2018-2029) & (Sqm)

Figure 18. Japan Magnesium-based Solid Hydrogen Storage Material Consumption (2018-2029) & (Sqm)

Figure 19. South Korea Magnesium-based Solid Hydrogen Storage Material Consumption (2018-2029) & (Sqm)

Figure 20. ASEAN Magnesium-based Solid Hydrogen Storage Material Consumption (2018-2029) & (Sqm)

Figure 21. India Magnesium-based Solid Hydrogen Storage Material Consumption (2018-2029) & (Sqm)

Figure 22. Producer Shipments of Magnesium-based Solid Hydrogen Storage Material by Manufacturer Revenue (\$MM) and Market Share (%): 2022

Figure 23. Global Four-firm Concentration Ratios (CR4) for Magnesium-based Solid Hydrogen Storage Material Markets in 2022

Figure 24. Global Four-firm Concentration Ratios (CR8) for Magnesium-based Solid Hydrogen Storage Material Markets in 2022

Figure 25. United States VS China: Magnesium-based Solid Hydrogen Storage Material Production Value Market Share Comparison (2018 & 2022 & 2029)

Figure 26. United States VS China: Magnesium-based Solid Hydrogen Storage Material Production Market Share Comparison (2018 & 2022 & 2029)

Figure 27. United States VS China: Magnesium-based Solid Hydrogen Storage Material Consumption Market Share Comparison (2018 & 2022 & 2029)

Figure 28. United States Based Manufacturers Magnesium-based Solid Hydrogen Storage Material Production Market Share 2022

Figure 29. China Based Manufacturers Magnesium-based Solid Hydrogen Storage Material Production Market Share 2022

Figure 30. Rest of World Based Manufacturers Magnesium-based Solid Hydrogen Storage Material Production Market Share 2022

Figure 31. World Magnesium-based Solid Hydrogen Storage Material Production Value by Type, (USD Million), 2018 & 2022 & 2029

Figure 32. World Magnesium-based Solid Hydrogen Storage Material Production Value Market Share by Type in 2022

Figure 33. Powder Solid Hydrogen Storage Material

Figure 34. Block Solid Hydrogen Storage Material

Figure 35. World Magnesium-based Solid Hydrogen Storage Material Production Market Share by Type (2018-2029)

Figure 36. World Magnesium-based Solid Hydrogen Storage Material Production Value Market Share by Type (2018-2029)

Figure 37. World Magnesium-based Solid Hydrogen Storage Material Average Price by Type (2018-2029) & (US\$/Sqm)

Figure 38. World Magnesium-based Solid Hydrogen Storage Material Production Value by Application, (USD Million), 2018 & 2022 & 2029

Figure 39. World Magnesium-based Solid Hydrogen Storage Material Production Value Market Share by Application in 2022

Figure 40. New Energy

Figure 41. Medical

Figure 42. Others

Figure 43. World Magnesium-based Solid Hydrogen Storage Material Production Market Share by Application (2018-2029)

Figure 44. World Magnesium-based Solid Hydrogen Storage Material Production Value Market Share by Application (2018-2029)

Figure 45. World Magnesium-based Solid Hydrogen Storage Material Average Price by Application (2018-2029) & (US\$/Sqm)

Figure 46. Magnesium-based Solid Hydrogen Storage Material Industry Chain

Figure 47. Magnesium-based Solid Hydrogen Storage Material Procurement Model

Figure 48. Magnesium-based Solid Hydrogen Storage Material Sales Model

Figure 49. Magnesium-based Solid Hydrogen Storage Material Sales Channels, Direct Sales, and Distribution

Figure 50. Methodology

Figure 51. Research Process and Data Source

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