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

https://marketpublishers.com/r/GE4D91CF68F0EN.html
Date: July 2023
Pages: 103
Price: US$ 4,480.00 (Single User License)
ID: GE4D91CF68F0EN

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

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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)

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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

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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

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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?

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