

# Global Magnesium-based Solid Hydrogen Storage Material Market Growth 2024-2030

<https://marketpublishers.com/r/G4A819916C4FEN.html>

Date: May 2024

Pages: 91

Price: US\$ 3,660.00 (Single User License)

ID: G4A819916C4FEN

## Abstracts

The report requires updating with new data and is sent in 48 hours after order is placed.

The global Magnesium-based Solid Hydrogen Storage Material market size is projected to grow from US\$ 11 million in 2023 to US\$ 333.9 million in 2030; it is expected to grow at a CAGR of 61.9% from 2024 to 2030.

LP Information, Inc. (LPI) ' newest research report, the “Magnesium-based Solid Hydrogen Storage Material Industry Forecast” looks at past sales and reviews total world Magnesium-based Solid Hydrogen Storage Material sales in 2023, providing a comprehensive analysis by region and market sector of projected Magnesium-based Solid Hydrogen Storage Material sales for 2024 through 2030. With Magnesium-based Solid Hydrogen Storage Material sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Magnesium-based Solid Hydrogen Storage Material industry.

This Insight Report provides a comprehensive analysis of the global Magnesium-based Solid Hydrogen Storage Material landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Magnesium-based Solid Hydrogen Storage Material portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Magnesium-based Solid Hydrogen Storage Material market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Magnesium-based Solid Hydrogen Storage Material and

breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Magnesium-based Solid Hydrogen Storage Material.

Magnesium based solid hydrogen storage materials are a type of metal solid hydrogen storage materials with the highest hydrogen storage density; At the same time, magnesium based solid hydrogen storage materials have the advantages of high efficiency, diversity, and simplicity in hydrogen production. The hydrogen production methods include thermal liberation hydrogen and hydrolysis hydrogen release; In addition, magnesium hydrogen storage can also purify hydrogen, and magnesium based solid hydrogen storage materials can convert general purity hydrogen into 99.999% high-purity green hydrogen. Against the backdrop of rapid development in the solid-state hydrogen storage material market in the future, the demand for magnesium based solid-state hydrogen storage materials is expected to significantly increase, with huge market development potential.

This report presents a comprehensive overview, market shares, and growth opportunities of Magnesium-based Solid Hydrogen Storage Material market by product type, application, key manufacturers and key regions and countries.

#### Segmentation by type

Powder

Block

#### Segmentation by application

New Energy

Medical

Other

This report also splits the market by region:

## Americas

United States

Canada

Mexico

Brazil

## APAC

China

Japan

Korea

Southeast Asia

India

Australia

## Europe

Germany

France

UK

Italy

Russia

## Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

MG Power

GRIMAT

Shanghai H2store Energy Technology

Biocoke Lab

Sigma Aldrich

Jiangsu JITRI Advanced Energy Materials

### Key Questions Addressed in this Report

What is the 10-year outlook for the global Magnesium-based Solid Hydrogen Storage Material market?

What factors are driving Magnesium-based Solid Hydrogen Storage Material market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Magnesium-based Solid Hydrogen Storage Material market opportunities vary by end market size?

How does Magnesium-based Solid Hydrogen Storage Material break out type, application?

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