+357 96 030922
info@marketpublishers.com

Global Magnesium Hydride for Hydrogen Storage Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

https://marketpublishers.com/r/G773FB83DB62EN.html
Date: June 2026
Pages: 98
Price: US$ 3,480.00 (Single User License)
ID: G773FB83DB62EN

Abstracts

According to our (Global Info Research) latest study, the global Magnesium Hydride for Hydrogen Storage market size was valued at US$ 39.41 million in 2025 and is forecast to a readjusted size of US$ 749 million by 2032 with a CAGR of 51.3% during review period.

In 2025, global Magnesium Hydride for Hydrogen Storage production reached approximately 39 tons, with an average global market price of around US$982 per kilogram. Magnesium hydride (MgH2) is a promising solid-state, high-capacity hydrogen storage material (7.6 wt% theoretical capacity). It is valued for being safe, non-explosive, and affordable. While it suffers from high decomposition temperatures (~287-300?), catalysts and nanostructuring (e.g., Nb2O5), graphene) are used to improve its kinetics.

The development of the global magnesium hydride for hydrogen storage market is fundamentally supported by the large-scale advancement of the global hydrogen energy industry, along with hydrogen energy development strategies and carbon neutrality targets issued by governments worldwide, which deliver long-term stable policy support and underlying demand foundation for the market. As a core material category in solid-state hydrogen storage, magnesium hydride has inherent hydrogen storage performance advantages from its material properties, which fit the technological upgrading needs of the storage and transportation link in the hydrogen energy industry chain, form differentiated application value in the full hydrogen energy application chain, and drive the continuous release of market demand. The supply stability of raw materials and technological iteration level of preparation processes directly determine products' cost control ability and performance optimization space, and are key

+357 96 030922
info@marketpublishers.com

elements for market participants to build core competitiveness. The regional layout trend of the global hydrogen energy industrial chain, coupled with gaps in R&D investment and industrial supporting capacity across regions, forms a regional differentiation pattern of market supply and demand. Meanwhile, the continuous upgrading of technical standards, safety and environmental compliance requirements in global hydrogen energy storage and transportation drives the iteration of industry preparation technologies and product performance. Products meeting higher standards and compliance rules become the core direction of market development, and further raise the industry's overall access threshold and competitive barriers.

This report is a detailed and comprehensive analysis for global Magnesium Hydride for Hydrogen Storage market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Magnesium Hydride for Hydrogen Storage market size and forecasts, in consumption value ($ Million), sales quantity (Tons), and average selling prices (US$/Kg), 2021-2032

Global Magnesium Hydride for Hydrogen Storage market size and forecasts by region and country, in consumption value ($ Million), sales quantity (Tons), and average selling prices (US$/Kg), 2021-2032

Global Magnesium Hydride for Hydrogen Storage market size and forecasts, by Type and by Application, in consumption value ($ Million), sales quantity (Tons), and average selling prices (US$/Kg), 2021-2032

Global Magnesium Hydride for Hydrogen Storage market shares of main players, shipments in revenue ($ Million), sales quantity (Tons), and ASP (US$/Kg), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

+357 96 030922
info@marketpublishers.com

To assess the growth potential for Magnesium Hydride for Hydrogen Storage

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Magnesium Hydride for Hydrogen Storage market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include MG Power, Dalian Funde Jinyu Clean Energy, Tokuyama Corporation, Biocoke Lab, Sinonesium Time Technology, GRIMAT, Hydrogen Storage (Shanghai), etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Magnesium Hydride for Hydrogen Storage market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Powder

Block

Tablet

Market segment by Purity

Purity ?90%

Purity ?99%

+357 96 030922
info@marketpublishers.com

Market segment by Hydrogen Storage Density

Hydrogen Storage Density >6 wt%

Hydrogen Storage Density >7 wt%

Market segment by Application

Hydrogen Energy

Medical

Others

Major players covered

MG Power

Dalian Funde Jinyu Clean Energy

Tokuyama Corporation

Biocoke Lab

Sinonesium Time Technology

GRIMAT

Hydrogen Storage (Shanghai)

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

+357 96 030922
info@marketpublishers.com

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Magnesium Hydride for Hydrogen Storage product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Magnesium Hydride for Hydrogen Storage, with price, sales quantity, revenue, and global market share of Magnesium Hydride for Hydrogen Storage from 2021 to 2026.

Chapter 3, the Magnesium Hydride for Hydrogen Storage competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Magnesium Hydride for Hydrogen Storage breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026.and Magnesium Hydride for Hydrogen Storage market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Magnesium

+357 96 030922
info@marketpublishers.com

Hydride for Hydrogen Storage.

Chapter 14 and 15, to describe Magnesium Hydride for Hydrogen Storage sales channel, distributors, customers, research findings and conclusion.

+357 96 030922
info@marketpublishers.com

Contents

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

List Of Tables

LIST OF TABLES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

List Of Figures

LIST OF FIGURES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Global Magnesium Hydride for Hydrogen Storage Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

Product link: https://marketpublishers.com/r/G773FB83DB62EN.html

Price: US$ 3,480.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/G773FB83DB62EN.html