

# Global Hydrodemetallization (HDM) Catalyst Supply, Demand and Key Producers, 2023-2029

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## Abstracts

The global Hydrodemetallization (HDM) Catalyst market size is expected to reach \$ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

The HDM Catalyst market is expected to grow significantly in the coming years due to the increasing demand for cleaner fuels with low sulfur content. The strict environmental regulations regarding emissions have resulted in the development of new refining technologies that require efficient HDM Catalysts. The market is also driven by the growth of the oil and gas industry, especially in emerging economies such as China and India, where the demand for refined products is rapidly increasing.

The market for HDM Catalyst can be segmented based on the type of metal contaminants removed, the type of catalyst used, and the application in which it is used. The most commonly used HDM Catalysts are based on cobalt and molybdenum, which have been proven to be highly effective in removing metals from crude oil. Other types of catalysts used include nickel and iron-based catalysts. The choice of catalyst depends on the specific application and the type of crude oil being processed.

The HDM Catalyst market can also be segmented based on the application, such as the desulfurization of diesel and gasoline, the production of jet fuel, and the production of lubricating oils. The desulfurization of diesel and gasoline is the largest application segment due to the increasing demand for low-sulfur fuels. The production of jet fuel and lubricating oils is also expected to grow in the coming years, driven by the growth of the aviation and automotive industries.

Geographically, the HDM Catalyst market is dominated by North America and Europe

due to the presence of large oil refineries and strict environmental regulations. However, the market is expected to grow rapidly in the Asia-Pacific region due to the increasing demand for refined products and the growth of the oil and gas industry in the region. The Middle East and Africa also present opportunities for growth due to the large reserves of crude oil in the region.

Some of the major players in the HDM Catalyst market include Albemarle Corporation, W.R. Grace & Co., Honeywell International Inc., Haldor Topsoe A/S, Criterion Catalysts & Technologies L.P., Johnson Matthey PLC, and Axens S.A. These companies are investing heavily in research and development to develop more efficient and cost-effective catalysts to meet the increasing demand for cleaner fuels.

Hydrodemetallization (HDM) Catalyst is a type of catalyst used in the oil refining industry to remove metals, such as nickel, vanadium, and iron, from crude oil. These metals can cause corrosion and damage to the refining equipment and reduce the quality of the final products. HDM Catalysts work by promoting the reaction between hydrogen and the metal contaminants, converting them into less harmful compounds that can be easily separated from the oil.

This report studies the global Hydrodemetallization (HDM) Catalyst production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Hydrodemetallization (HDM) Catalyst, 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 Hydrodemetallization (HDM) Catalyst that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Hydrodemetallization (HDM) Catalyst total production and demand, 2018-2029, (Tons)

Global Hydrodemetallization (HDM) Catalyst total production value, 2018-2029, (USD Million)

Global Hydrodemetallization (HDM) Catalyst production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (Tons)

Global Hydrodemetallization (HDM) Catalyst consumption by region & country, CAGR, 2018-2029 & (Tons)

U.S. VS China: Hydrodemetallization (HDM) Catalyst domestic production, consumption, key domestic manufacturers and share

Global Hydrodemetallization (HDM) Catalyst production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (Tons)

Global Hydrodemetallization (HDM) Catalyst production by Type, production, value, CAGR, 2018-2029, (USD Million) & (Tons)

Global Hydrodemetallization (HDM) Catalyst production by Application production, value, CAGR, 2018-2029, (USD Million) & (Tons)

This reports profiles key players in the global Hydrodemetallization (HDM) Catalyst 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 Advanced Refining Technologies (ART), Albemarle, Shell Catalysts & Technologies, Haldor Topsoe, UOP, Axens, Johnson Matthey and Sinopec, 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 Hydrodemetallization (HDM) Catalyst market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) and average price (US\$/Ton) 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 Hydrodemetallization (HDM) Catalyst Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global Hydrodemetallization (HDM) Catalyst Market, Segmentation by Type

Ni

Mo-Ni

#### Global Hydrodemetallization (HDM) Catalyst Market, Segmentation by Application

VGO

Residue

Other

#### Companies Profiled:

Advanced Refining Technologies (ART)

Albemarle

Shell Catalysts & Technologies

Haldor Topsoe

UOP

Axens

Johnson Matthey

Sinopec

### Key Questions Answered

1. How big is the global Hydrodemetallization (HDM) Catalyst market?
2. What is the demand of the global Hydrodemetallization (HDM) Catalyst market?
3. What is the year over year growth of the global Hydrodemetallization (HDM) Catalyst market?
4. What is the production and production value of the global Hydrodemetallization (HDM) Catalyst market?
5. Who are the key producers in the global Hydrodemetallization (HDM) Catalyst market?
6. What are the growth factors driving the market demand?

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