

# Global Hydrodemetallization (HDM) Catalyst Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

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## Abstracts

According to our (Global Info Research) latest study, the global Hydrodemetallization (HDM) Catalyst market size was valued at USD million in 2022 and is forecast to a readjusted size of USD million by 2029 with a CAGR of % during review period. The influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes.

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 is a detailed and comprehensive analysis for global Hydrodemetallization (HDM) Catalyst 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 2023, are provided.

Key Features:

Global Hydrodemetallization (HDM) Catalyst market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2018-2029

Global Hydrodemetallization (HDM) Catalyst market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2018-2029

Global Hydrodemetallization (HDM) Catalyst market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2018-2029

Global Hydrodemetallization (HDM) Catalyst market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/Ton), 2018-2023

The Primary Objectives in This Report Are:

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

To assess the growth potential for Hydrodemetallization (HDM) Catalyst

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 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 and UOP, etc.

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

## Market Segmentation

Hydrodemetallization (HDM) Catalyst market is split by Type and by Application. For the period 2018-2029, 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

Ni

Mo-Ni

#### Market segment by Application

VGO

Residue

Other

#### Major players covered

Advanced Refining Technologies (ART)

Albemarle

Shell Catalysts & Technologies

Haldor Topsoe

UOP

Axens

Johnson Matthey

Sinopec

#### Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

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 Hydrodemetallization (HDM) Catalyst product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Hydrodemetallization (HDM) Catalyst, with price, sales, revenue and global market share of Hydrodemetallization (HDM) Catalyst from 2018 to 2023.

Chapter 3, the Hydrodemetallization (HDM) Catalyst competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Hydrodemetallization (HDM) Catalyst breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2018 to 2029.

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 2017 to 2022. and Hydrodemetallization (HDM) Catalyst market forecast, by regions, type and application, with sales and revenue, from 2024 to 2029.

Chapter 12, market dynamics, drivers, restraints, trends, Porters Five Forces analysis, and Influence of COVID-19 and Russia-Ukraine War.

Chapter 13, the key raw materials and key suppliers, and industry chain of Hydrodemetallization (HDM) Catalyst.

Chapter 14 and 15, to describe Hydrodemetallization (HDM) Catalyst sales channel, distributors, customers, research findings and conclusion.

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