

Global Homogeneous Catalyst Market Size study & Forecast, By Type (Metal Based, Chemical Compound, Others), By Application (Petroleum Refining, Chemical Synthesis, Environmental, Polymer), and Regional Analysis, 2023-2030

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Abstracts

Global Homogeneous Catalyst Market is valued approximately at USD XX billion in 2022 and is anticipated to grow with a healthy growth rate of more than XX% over the forecast period 2023-2030. Homogeneous catalysis involves reactions where both the catalyst and the reactants exist in the same phase, commonly in a solution. Conversely, heterogeneous catalysis pertains to reactions where the catalysts and substrates occupy distinct phases, often solid-gas interfaces. While homogeneous catalysis typically denotes catalytic processes facilitated by organometallic compounds in solution, heterogeneous catalysis encompasses reactions occurring across different phases. Homogeneous catalysis remains a well-established technique continually evolving in its applications. Notably, the production of acetic acid exemplifies a prominent and impactful application of homogeneous catalysis. The market growth is driven by key factors such as rising demand for environmental catalysts, and increasing utilization of this chemical in a Variety of Industries chemical synthesis, petroleum refining, polymers and petrochemicals, and environmental.

For instance, as per the American Chemistry Council, the chemical trade in the United States experienced a robust expansion of approximately 22.0%, reaching a total of USD 342.0 billion in 2022. Furthermore, the increasing demand for gasoline in the US is expected to bolster the importance of hydrocracking and Fluid Catalytic Cracking (FCC) processes. These activities are crucial for converting heavy crude oil into lighter cuts, consequently exerting a positive influence on the overall catalyst market. However, separating the reaction products stifles market growth throughout the forecast period of

2023-2030.

The key regions considered for the Global Homogeneous Catalyst Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. In 2022, Asia Pacific emerged as the dominant force in the market, boasting a revenue share of XX%. This dominance can be attributed to the burgeoning industrial activities within the region. countries such as China and India continue to expand their chemical, pharmaceutical, and petrochemical sectors, there arises an increasing demand for catalysts capable of expediting chemical reactions and enhancing process efficiency. Notably, homogeneous catalysts are recognized for their superior performance in industrial and raw material reactions compared to heterogeneous catalysts. Conversely, North America is poised to witness fastest growing over the forecast period. The region is expected to experience significant demand for catalysts, driven by the robust expansion of the chemical and polymer industries.

Major market player included in this report are:

Zeolyst International

BASF SE

Evonik Industries AG

LyondellBasell Industries Holdings B.V.

W. R. Grace & Co.-Conn.

Johnson Matthey

Axens Group

Clariant

Umicore N.V

Synthesis with Catalysts Pvt. Ltd

Recent Developments in the Market:

In January 2023, Evonik merged its alkoxides business with its catalysts business line, effectively integrating resources. This consolidation has led to the enhancement of the catalysts business line, now offering a broader selection of homogeneous catalysts in addition to its existing diverse range of heterogeneous catalysts.

In June 2022, BASF unveiled plans for a substantial battery recycling facility in Schwarzheide, Germany, signaling a significant step in the expansion of battery recycling endeavors. Situated in Central Europe, Schwarzheide offers an ideal location due to the concentration of electric vehicle (EV) manufacturers and cell producers in the region. Set to commence operations in early 2024, this investment will generate approximately 30 new production roles.

Global Homogeneous Catalyst Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered – Type, Application, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Type:

Metal based

Chemical Compound

Other Types

By Application:

Petroleum Refining

Chemical Synthesis

Polymer

Environmental

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

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