

## **Industrial Catalyst Market Size, Share, Trends and Forecast by Type, Raw Material, Application, and Region, 2025-2033**

Market Report | 2025-02-10 | 137 pages | IMARC Group

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### **Report description:**

The global industrial catalyst market size reached USD 24.52 Billion in 2024. Looking forward, IMARC Group expects the market to reach USD 33.07 Billion by 2033, exhibiting a growth rate (CAGR) of 3.34% during 2025-2033. Asia Pacific currently dominates the market with a significant market share of 36.3% in 2024. The expanding petrochemical industries, ongoing technological advancements, and the shift towards renewable energy are primarily driving the market.

A catalyst refers to a substance that improves the rate of a chemical reaction without undergoing any physical or chemical change. It enhances chemical processes and minimizes waste, production time, energy consumption, and operational cost. It assists in enhancing the air quality by controlling emissions, mitigating volatile organic compounds (VOCs), formulating improved oil fractions, including natural gas, biodiesel, and propane, and synthesizing active compounds and intermediates. As a result, industrial catalysts are widely used in petroleum refining, petrochemical production, environment protection reactions, organic synthesis, polymer processing, and bulk chemical synthesis.

### **Industrial Catalyst Industry Trends:**

The growing expansion of the petroleum industry is resulting in the rising establishment of petrol refining capacities and the need for various chemical products and eco-friendly fuels. This, in turn, is positively influencing the market. In addition, the escalating demand for petroleum-based products from power generation plants is expanding the applications of industrial catalysts in petroleum refining and petrochemical plants for a convenient, quicker, safer, and more efficient production process. Apart from this, the rising use of catalytic converters in automobile manufacturing emission control systems is offering lucrative growth opportunities to industry investors. This can also be attributed to increasing environmental concerns and the implementation of stringent government regulations for controlling emission levels. Furthermore, the development of nano-catalysts that assist in enhancing catalytic procedures in the pharmaceutical and food and beverage (F&B) industries are creating a positive market outlook. Moreover, strategic collaborations amongst leading industry players to expand their global market reach, along with increasing investments in research and development (R&D) activities to enhance catalysts efficiency while minimizing operational

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costs, are impelling the market growth.

#### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global industrial catalyst market report, along with forecasts at the global and regional level from 2025-2033. Our report has categorized the market based on type, raw material and application.

#### Breakup by Type:

- Heterogeneous Catalysts
- Homogeneous Catalysts
- Biocatalysts

Heterogeneous catalysts exhibit a clear dominance in the market due to their robustness and lower operational cost.

#### Breakup by Raw Material:

- Mixed
- Oxide
- Metallic
- Sulfide
- Organometallic

Mixed catalysts account for the majority of the global industrial catalyst market share as they are extensively used in the production of selective oxidation catalysts, hydrogen, and electrocatalysis for solid oxide fuel cells.

#### Breakup by Application:

- Petroleum Refinery
- Chemical Synthesis
- Petrochemicals
- Others

Petroleum refineries presently hold the largest market share due to the increasing demand for petroleum products across the globe.

- Asia Pacific
- North America
- Europe
- Middle East and Africa
- Latin America

The Asia Pacific currently enjoys the leading position in the market due to the significant rise in petroleum refining and the increasing use of catalysts in various industries.

#### Competitive Landscape:

The competitive landscape of the market has been analyzed in the report, along with the detailed profiles of the major players

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operating in the industry. Some of these players are Albemarle Corporation, Arkema S.A., BASF SE, Clariant AG, Evonik Industries AG, Exxon Mobil Chemical Co, Akzo Nobel N.V., Chevron Phillips Chemical Company, LLC, and The DOW Chemical Company.

#### Key Questions Answered in This Report

- 1.What is an industrial catalyst?
- 2.How big is the industrial catalyst market?
- 3.What is the expected growth rate of the global/regional industrial catalyst market during 2025-2033?
- 4.What are the key factors driving the global/regional industrial catalyst market?
- 5.What is the leading segment of the global/regional industrial catalyst market based on type?
- 6.What is the leading segment of the global industrial catalyst market based on material?
- 7.What is the leading segment of the global industrial catalyst market based on application?
- 8.What are the key regions in the global industrial catalyst market?
- 9.Who are the key players/companies in the global industrial catalyst market?

#### **Table of Contents:**

- ?1 Preface
- 2 Scope and Methodology
  - 2.1 Objectives of the Study
  - 2.2 Stakeholders
  - 2.3 Data Sources
    - 2.3.1 Primary Sources
    - 2.3.2 Secondary Sources
  - 2.4 Market Estimation
    - 2.4.1 Bottom-Up Approach
    - 2.4.2 Top-Down Approach
  - 2.5 Forecasting Methodology
- 3 Executive Summary
- 4 Introduction
  - 4.1 Overview
  - 4.2 Properties
  - 4.3 Key Industry Trends
- 5 Global Industrial Catalyst Market
  - 5.1 Market Overview
  - 5.2 Market Performance
  - 5.3 Impact of COVID-19
  - 5.4 Market Breakup by Type
  - 5.5 Market Breakup by Raw Material

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- 5.6 Market Breakup by Region
- 5.7 Market Breakup by Application
- 5.8 Market Forecast
- 5.9 SWOT Analysis
  - 5.9.1 Overview
  - 5.9.2 Strengths
  - 5.9.3 Weaknesses
  - 5.9.4 Opportunities
  - 5.9.5 Threats
- 5.10 Value Chain Analysis
  - 5.10.1 Overview
  - 5.10.2 Research and Development
  - 5.10.3 Raw Material Procurement
  - 5.10.4 Manufacturing
  - 5.10.5 Marketing
  - 5.10.6 Distribution
  - 5.10.7 End-Use
- 5.11 Porters Five Forces Analysis
  - 5.11.1 Overview
  - 5.11.2 Bargaining Power of Buyers
  - 5.11.3 Bargaining Power of Suppliers
  - 5.11.4 Degree of Competition
  - 5.11.5 Threat of New Entrants
  - 5.11.6 Threat of Substitutes
- 6 Market Breakup by Type
  - 6.1 Heterogenous Catalysts
    - 6.1.1 Market Trends
    - 6.1.2 Market Forecast
  - 6.2 Homogeneous Catalysts
    - 6.2.1 Market Trends
    - 6.2.2 Market Forecast
  - 6.3 Biocatalysts
    - 6.3.1 Market Trends
    - 6.3.2 Market Forecast
- 7 Market Breakup by Raw Material
  - 7.1 Mixed Catalysts
    - 7.1.1 Market Trends
    - 7.1.2 Market Forecast
  - 7.2 Oxide Catalysts
    - 7.2.1 Market Trends
    - 7.2.2 Market Forecast
  - 7.3 Metallic Catalysts
    - 7.3.1 Market Trends
    - 7.3.2 Market Forecast
  - 7.4 Sulphide Catalysts
    - 7.4.1 Market Trends
    - 7.4.2 Market Forecast

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- 7.5 Organometallic Catalysts
  - 7.5.1 Market Trends
  - 7.5.2 Market Forecast
- 8 Market Breakup by Application
  - 8.1 Petroleum Refinery
    - 8.1.1 Market Trends
    - 8.1.2 Market Forecast
  - 8.2 Chemical Synthesis
    - 8.2.1 Market Trends
    - 8.2.2 Market Forecast
  - 8.3 Petrochemicals
    - 8.3.1 Market Trends
    - 8.3.2 Market Forecast
  - 8.4 Others
    - 8.4.1 Market Trends
    - 8.4.2 Market Forecast
- 9 Market Breakup by Region
  - 9.1 North America
    - 9.1.1 Market Trends
    - 9.1.2 Market Forecast
  - 9.2 Europe
    - 9.2.1 Market Trends
    - 9.2.2 Market Forecast
  - 9.3 Asia Pacific
    - 9.3.1 Market Trends
    - 9.3.2 Market Forecast
  - 9.4 Latin America
    - 9.4.1 Market Trends
    - 9.4.2 Market Forecast
  - 9.5 Middle East and Africa
    - 9.5.1 Market Trends
    - 9.5.2 Market Forecast
- 10 Imports and Exports
  - 10.1 Imports by Major Countries
  - 10.2 Exports by Major Countries
- 11 Industrial Catalyst Manufacturing Process
  - 11.1 Product Overview
  - 11.2 Raw Material Requirements
  - 11.3 Manufacturing Process
  - 11.4 Key Success and Risk Factors
- 12 Competitive Landscape
  - 12.1 Market Structure
  - 12.2 Key Players
  - 12.3 Profiles of Key Players
    - 12.3.1 Albemarle Corporation
    - 12.3.2 Arkema S.A.
    - 12.3.3 BASF Corporation

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- 12.3.4 Clariant Ag
- 12.3.5 Evonik Industries Ag
- 12.3.6 Exxon Mobil Chemical Corporation
- 12.3.7 AkzoNobel N.V.
- 12.3.8 Chevron Phillips Chemical Company
- 12.3.9 The DOW Chemical Company

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