

Global Mixed Metal Oxide Desulfurization Sorbent Market Growth 2026-2032

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Abstracts

The global Mixed Metal Oxide Desulfurization Sorbent market size is predicted to grow from US\$ 188 million in 2025 to US\$ 263 million in 2032; it is expected to grow at a CAGR of 5.0% from 2026 to 2032.

Mixed Metal Oxide Desulfurization Sorbents are solid purification materials designed for fixed-bed applications; they are produced by shaping a mixture of two or more metal oxides—which serve as the primary active components—via processes such as blending, impregnation, or co-precipitation. These products function by chemically reacting components (such as copper, zinc, iron, and manganese oxides) with sulfides like hydrogen sulfide to form stable metal sulfides or sulfates, and are primarily used for the fine desulfurization of gases and liquid hydrocarbons.

Upstream raw materials consist mainly of active metal oxides—such as those of copper, zinc, iron, and manganese—though corresponding nitrates, carbonates, or hydroxides may also be used as precursors. Midstream enterprises formulate products based on parameters such as desulfurization temperature, feedstock phase, sulfide composition, and outlet specifications; manufacturing involves mixing, precipitation, filtration, extrusion, granulation, drying, and calcination to produce pellets, extrudates, or tablets. Downstream applications span natural gas processing, oil refining, petrochemicals, coal chemicals, and biogas purification, where the materials serve as fixed-bed guard agents or final-stage fine desulfurization media.

Global sales volume is approximately 35,000 metric tons as of 2025. Prices vary significantly depending on factors such as the active oxide system, effective sulfur capacity, and desulfurization precision; mainstream industrial products typically range from US\$3,000 to US\$7,000 per ton, with major manufacturers achieving gross margins

of approximately 25%–35%.

United States market for Mixed Metal Oxide Desulfurization Sorbent is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Mixed Metal Oxide Desulfurization Sorbent is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Mixed Metal Oxide Desulfurization Sorbent is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Mixed Metal Oxide Desulfurization Sorbent players cover SLB, Honeywell Technologies, Axens, BASF, Clariant, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

Report Scope

LP Information, Inc. (LPI) ' newest research report, the “Mixed Metal Oxide Desulfurization Sorbent Industry Forecast” looks at past sales and reviews total world Mixed Metal Oxide Desulfurization Sorbent sales in 2025, providing a comprehensive analysis by region and market sector of projected Mixed Metal Oxide Desulfurization Sorbent sales for 2026 through 2032. With Mixed Metal Oxide Desulfurization Sorbent sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Mixed Metal Oxide Desulfurization Sorbent industry.

This Insight Report provides a comprehensive analysis of the global Mixed Metal Oxide Desulfurization Sorbent landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Mixed Metal Oxide Desulfurization Sorbent portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Mixed Metal Oxide Desulfurization Sorbent market.

This Insight Report evaluates the key market trends, drivers, and affecting factors

shaping the global outlook for Mixed Metal Oxide Desulfurization Sorbent and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Mixed Metal Oxide Desulfurization Sorbent.

This report presents a comprehensive overview, market shares, and growth opportunities of Mixed Metal Oxide Desulfurization Sorbent market by product type, application, key manufacturers and key regions and countries.

Market Segmentation

Segmentation by Type:

Copper-Zinc Series

Zinc-Manganese Series

Iron-Manganese Series

Others

Segmentation by Phase Type:

Gas Phase

Liquid Phase

Segmentation by Product Form:

Granules

Cylindrical Extrudates

Tablets

Segmentation by Application:

Natural Gas Processing

Oil Refining

Coal Chemical Industry

Biogas

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

SLB

Honeywell Technologies

Axens

BASF

Clariant

UNICAT Catalyst Technologies

Wuhan Kelin Chemical Group

Sichuan Shutai Chemical Technology

Key Questions Addressed in this Report

What is the 10-year outlook for the global Mixed Metal Oxide Desulfurization Sorbent market?

What factors are driving Mixed Metal Oxide Desulfurization Sorbent market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Mixed Metal Oxide Desulfurization Sorbent market opportunities vary by end market size?

How does Mixed Metal Oxide Desulfurization Sorbent break out by Type, by Application?

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