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Global Mixed Metal Oxide Desulfurization Sorbent Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Mixed Metal Oxide Desulfurization Sorbent market size was valued at US$ 198 million in 2025 and is forecast to a readjusted size of US$ 272 million by 2032 with a CAGR of 4.7% during review period.

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

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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%.

Report Scope

This report is a detailed and comprehensive analysis for global Mixed Metal Oxide Desulfurization Sorbent 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 2025, are provided.

Key Features:

Global Mixed Metal Oxide Desulfurization Sorbent market size and forecasts, in consumption value ($ Million), sales quantity (Tons), and average selling prices (US$/Ton), 2021-2032

Global Mixed Metal Oxide Desulfurization Sorbent market size and forecasts by region and country, in consumption value ($ Million), sales quantity (Tons), and average selling prices (US$/Ton), 2021-2032

Global Mixed Metal Oxide Desulfurization Sorbent market size and forecasts, by Type and by Application, in consumption value ($ Million), sales quantity (Tons), and average selling prices (US$/Ton), 2021-2032

Global Mixed Metal Oxide Desulfurization Sorbent market shares of main players, shipments in revenue ($ Million), sales quantity (Tons), and ASP (US$/Ton), 2021-2026

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 Mixed Metal Oxide Desulfurization Sorbent

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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 Mixed Metal Oxide Desulfurization Sorbent market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include SLB, Honeywell Technologies, Axens, BASF, Clariant, UNICAT Catalyst Technologies, Wuhan Kelin Chemical Group, Sichuan Shutai Chemical Technology, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Mixed Metal Oxide Desulfurization Sorbent market is split by Type and by Application. For the period 2021-2032, 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 Segmentation

Market segment by Type

Copper-Zinc Series

Zinc-Manganese Series

Iron-Manganese Series

Others

Market segment by Phase Type

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Gas Phase

Liquid Phase

Market segment by Product Form

Granules

Cylindrical Extrudates

Tablets

Market segment by Application

Natural Gas Processing

Oil Refining

Coal Chemical Industry

Biogas

Major players covered

SLB

Honeywell Technologies

Axens

BASF

Clariant

UNICAT Catalyst Technologies

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Wuhan Kelin Chemical Group

Sichuan Shutai Chemical Technology

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)

Chapter Outline

Chapter 1, to describe Mixed Metal Oxide Desulfurization Sorbent product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Mixed Metal Oxide Desulfurization Sorbent, with price, sales quantity, revenue, and global market share of Mixed Metal Oxide Desulfurization Sorbent from 2021 to 2026.

Chapter 3, the Mixed Metal Oxide Desulfurization Sorbent competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Mixed Metal Oxide Desulfurization Sorbent breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market

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share and growth rate by Type, by Application, from 2021 to 2032.

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 2021 to 2026.and Mixed Metal Oxide Desulfurization Sorbent market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Mixed Metal Oxide Desulfurization Sorbent.

Chapter 14 and 15, to describe Mixed Metal Oxide Desulfurization Sorbent sales channel, distributors, customers, research findings and conclusion.

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Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope
1.2 Market Estimation Caveats and Base Year
1.3 Market Analysis by Type
  1.3.1 Overview: Global Mixed Metal Oxide Desulfurization Sorbent Consumption Value by Type: 2021 Versus 2025 Versus 2032
  1.3.2 Copper-Zinc Series
  1.3.3 Zinc-Manganese Series
  1.3.4 Iron-Manganese Series
  1.3.5 Others
1.4 Market Analysis by Phase Type
  1.4.1 Overview: Global Mixed Metal Oxide Desulfurization Sorbent Consumption Value by Phase Type: 2021 Versus 2025 Versus 2032
  1.4.2 Gas Phase
  1.4.3 Liquid Phase
1.5 Market Analysis by Product Form
  1.5.1 Overview: Global Mixed Metal Oxide Desulfurization Sorbent Consumption Value by Product Form: 2021 Versus 2025 Versus 2032
  1.5.2 Granules
  1.5.3 Cylindrical Extrudates
  1.5.4 Tablets
1.6 Market Analysis by Application
  1.6.1 Overview: Global Mixed Metal Oxide Desulfurization Sorbent Consumption Value by Application: 2021 Versus 2025 Versus 2032
  1.6.2 Natural Gas Processing
  1.6.3 Oil Refining
  1.6.4 Coal Chemical Industry
  1.6.5 Biogas
1.7 Global Mixed Metal Oxide Desulfurization Sorbent Market Size & Forecast
  1.7.1 Global Mixed Metal Oxide Desulfurization Sorbent Consumption Value (2021 & 2025 & 2032)
  1.7.2 Global Mixed Metal Oxide Desulfurization Sorbent Sales Quantity (2021-2032)
  1.7.3 Global Mixed Metal Oxide Desulfurization Sorbent Average Price (2021-2032)

2 MANUFACTURERS PROFILES

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2.1 SLB
2.1.1 SLB Details
2.1.2 SLB Major Business
2.1.3 SLB Mixed Metal Oxide Desulfurization Sorbent Product and Services
2.1.4 SLB Mixed Metal Oxide Desulfurization Sorbent Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
2.1.5 SLB Recent Developments/Updates
2.2 Honeywell Technologies
2.2.1 Honeywell Technologies Details
2.2.2 Honeywell Technologies Major Business
2.2.3 Honeywell Technologies Mixed Metal Oxide Desulfurization Sorbent Product and Services
2.2.4 Honeywell Technologies Mixed Metal Oxide Desulfurization Sorbent Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
2.2.5 Honeywell Technologies Recent Developments/Updates
2.3 Axens
2.3.1 Axens Details
2.3.2 Axens Major Business
2.3.3 Axens Mixed Metal Oxide Desulfurization Sorbent Product and Services
2.3.4 Axens Mixed Metal Oxide Desulfurization Sorbent Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
2.3.5 Axens Recent Developments/Updates
2.4 BASF
2.4.1 BASF Details
2.4.2 BASF Major Business
2.4.3 BASF Mixed Metal Oxide Desulfurization Sorbent Product and Services
2.4.4 BASF Mixed Metal Oxide Desulfurization Sorbent Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
2.4.5 BASF Recent Developments/Updates
2.5 Clariant
2.5.1 Clariant Details
2.5.2 Clariant Major Business
2.5.3 Clariant Mixed Metal Oxide Desulfurization Sorbent Product and Services
2.5.4 Clariant Mixed Metal Oxide Desulfurization Sorbent Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
2.5.5 Clariant Recent Developments/Updates
2.6 UNICAT Catalyst Technologies
2.6.1 UNICAT Catalyst Technologies Details
2.6.2 UNICAT Catalyst Technologies Major Business

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2.6.3 UNICAT Catalyst Technologies Mixed Metal Oxide Desulfurization Sorbent Product and Services
2.6.4 UNICAT Catalyst Technologies Mixed Metal Oxide Desulfurization Sorbent Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
2.6.5 UNICAT Catalyst Technologies Recent Developments/Updates
2.7 Wuhan Kelin Chemical Group
2.7.1 Wuhan Kelin Chemical Group Details
2.7.2 Wuhan Kelin Chemical Group Major Business
2.7.3 Wuhan Kelin Chemical Group Mixed Metal Oxide Desulfurization Sorbent Product and Services
2.7.4 Wuhan Kelin Chemical Group Mixed Metal Oxide Desulfurization Sorbent Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
2.7.5 Wuhan Kelin Chemical Group Recent Developments/Updates
2.8 Sichuan Shutai Chemical Technology
2.8.1 Sichuan Shutai Chemical Technology Details
2.8.2 Sichuan Shutai Chemical Technology Major Business
2.8.3 Sichuan Shutai Chemical Technology Mixed Metal Oxide Desulfurization Sorbent Product and Services
2.8.4 Sichuan Shutai Chemical Technology Mixed Metal Oxide Desulfurization Sorbent Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
2.8.5 Sichuan Shutai Chemical Technology Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: MIXED METAL OXIDE DESULFURIZATION SORBENT BY MANUFACTURER

3.1 Global Mixed Metal Oxide Desulfurization Sorbent Sales Quantity by Manufacturer (2021-2026)
3.2 Global Mixed Metal Oxide Desulfurization Sorbent Revenue by Manufacturer (2021-2026)
3.3 Global Mixed Metal Oxide Desulfurization Sorbent Average Price by Manufacturer (2021-2026)
3.4 Market Share Analysis (2025)
3.4.1 Producer Shipments of Mixed Metal Oxide Desulfurization Sorbent by Manufacturer Revenue ($MM) and Market Share (%): 2025
3.4.2 Top 3 Mixed Metal Oxide Desulfurization Sorbent Manufacturer Market Share in 2025
3.4.3 Top 6 Mixed Metal Oxide Desulfurization Sorbent Manufacturer Market Share in 2025
3.5 Mixed Metal Oxide Desulfurization Sorbent Market: Overall Company Footprint

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Analysis
3.5.1 Mixed Metal Oxide Desulfurization Sorbent Market: Region Footprint
3.5.2 Mixed Metal Oxide Desulfurization Sorbent Market: Company Product Type Footprint
3.5.3 Mixed Metal Oxide Desulfurization Sorbent Market: Company Product Application Footprint
3.6 New Market Entrants and Barriers to Market Entry
3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

4.1 Global Mixed Metal Oxide Desulfurization Sorbent Market Size by Region
4.1.1 Global Mixed Metal Oxide Desulfurization Sorbent Sales Quantity by Region (2021-2032)
4.1.2 Global Mixed Metal Oxide Desulfurization Sorbent Consumption Value by Region (2021-2032)
4.1.3 Global Mixed Metal Oxide Desulfurization Sorbent Average Price by Region (2021-2032)
4.2 North America Mixed Metal Oxide Desulfurization Sorbent Consumption Value (2021-2032)
4.3 Europe Mixed Metal Oxide Desulfurization Sorbent Consumption Value (2021-2032)
4.4 Asia-Pacific Mixed Metal Oxide Desulfurization Sorbent Consumption Value (2021-2032)
4.5 South America Mixed Metal Oxide Desulfurization Sorbent Consumption Value (2021-2032)
4.6 Middle East & Africa Mixed Metal Oxide Desulfurization Sorbent Consumption Value (2021-2032)

5 MARKET SEGMENT BY TYPE

5.1 Global Mixed Metal Oxide Desulfurization Sorbent Sales Quantity by Type (2021-2032)
5.2 Global Mixed Metal Oxide Desulfurization Sorbent Consumption Value by Type (2021-2032)
5.3 Global Mixed Metal Oxide Desulfurization Sorbent Average Price by Type (2021-2032)

6 MARKET SEGMENT BY APPLICATION

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6.1 Global Mixed Metal Oxide Desulfurization Sorbent Sales Quantity by Application (2021-2032)
6.2 Global Mixed Metal Oxide Desulfurization Sorbent Consumption Value by Application (2021-2032)
6.3 Global Mixed Metal Oxide Desulfurization Sorbent Average Price by Application (2021-2032)

7 NORTH AMERICA

7.1 North America Mixed Metal Oxide Desulfurization Sorbent Sales Quantity by Type (2021-2032)
7.2 North America Mixed Metal Oxide Desulfurization Sorbent Sales Quantity by Application (2021-2032)
7.3 North America Mixed Metal Oxide Desulfurization Sorbent Market Size by Country
  7.3.1 North America Mixed Metal Oxide Desulfurization Sorbent Sales Quantity by Country (2021-2032)
  7.3.2 North America Mixed Metal Oxide Desulfurization Sorbent Consumption Value by Country (2021-2032)
  7.3.3 United States Market Size and Forecast (2021-2032)
  7.3.4 Canada Market Size and Forecast (2021-2032)
  7.3.5 Mexico Market Size and Forecast (2021-2032)

8 EUROPE

8.1 Europe Mixed Metal Oxide Desulfurization Sorbent Sales Quantity by Type (2021-2032)
8.2 Europe Mixed Metal Oxide Desulfurization Sorbent Sales Quantity by Application (2021-2032)
8.3 Europe Mixed Metal Oxide Desulfurization Sorbent Market Size by Country
  8.3.1 Europe Mixed Metal Oxide Desulfurization Sorbent Sales Quantity by Country (2021-2032)
  8.3.2 Europe Mixed Metal Oxide Desulfurization Sorbent Consumption Value by Country (2021-2032)
  8.3.3 Germany Market Size and Forecast (2021-2032)
  8.3.4 France Market Size and Forecast (2021-2032)
  8.3.5 United Kingdom Market Size and Forecast (2021-2032)
  8.3.6 Russia Market Size and Forecast (2021-2032)
  8.3.7 Italy Market Size and Forecast (2021-2032)

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9 ASIA-PACIFIC

9.1 Asia-Pacific Mixed Metal Oxide Desulfurization Sorbent Sales Quantity by Type (2021-2032)
9.2 Asia-Pacific Mixed Metal Oxide Desulfurization Sorbent Sales Quantity by Application (2021-2032)
9.3 Asia-Pacific Mixed Metal Oxide Desulfurization Sorbent Market Size by Region
9.3.1 Asia-Pacific Mixed Metal Oxide Desulfurization Sorbent Sales Quantity by Region (2021-2032)
9.3.2 Asia-Pacific Mixed Metal Oxide Desulfurization Sorbent Consumption Value by Region (2021-2032)
9.3.3 China Market Size and Forecast (2021-2032)
9.3.4 Japan Market Size and Forecast (2021-2032)
9.3.5 South Korea Market Size and Forecast (2021-2032)
9.3.6 India Market Size and Forecast (2021-2032)
9.3.7 Southeast Asia Market Size and Forecast (2021-2032)
9.3.8 Australia Market Size and Forecast (2021-2032)

10 SOUTH AMERICA

10.1 South America Mixed Metal Oxide Desulfurization Sorbent Sales Quantity by Type (2021-2032)
10.2 South America Mixed Metal Oxide Desulfurization Sorbent Sales Quantity by Application (2021-2032)
10.3 South America Mixed Metal Oxide Desulfurization Sorbent Market Size by Country
10.3.1 South America Mixed Metal Oxide Desulfurization Sorbent Sales Quantity by Country (2021-2032)
10.3.2 South America Mixed Metal Oxide Desulfurization Sorbent Consumption Value by Country (2021-2032)
10.3.3 Brazil Market Size and Forecast (2021-2032)
10.3.4 Argentina Market Size and Forecast (2021-2032)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Mixed Metal Oxide Desulfurization Sorbent Sales Quantity by Type (2021-2032)
11.2 Middle East & Africa Mixed Metal Oxide Desulfurization Sorbent Sales Quantity by Application (2021-2032)
11.3 Middle East & Africa Mixed Metal Oxide Desulfurization Sorbent Market Size by

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Country
11.3.1 Middle East & Africa Mixed Metal Oxide Desulfurization Sorbent Sales Quantity by Country (2021-2032)
11.3.2 Middle East & Africa Mixed Metal Oxide Desulfurization Sorbent Consumption Value by Country (2021-2032)
11.3.3 Turkey Market Size and Forecast (2021-2032)
11.3.4 Egypt Market Size and Forecast (2021-2032)
11.3.5 Saudi Arabia Market Size and Forecast (2021-2032)
11.3.6 South Africa Market Size and Forecast (2021-2032)

12 MARKET DYNAMICS

12.1 Mixed Metal Oxide Desulfurization Sorbent Market Drivers
12.2 Mixed Metal Oxide Desulfurization Sorbent Market Restraints
12.3 Mixed Metal Oxide Desulfurization Sorbent Trends Analysis
12.4 Porters Five Forces Analysis
12.4.1 Threat of New Entrants
12.4.2 Bargaining Power of Suppliers
12.4.3 Bargaining Power of Buyers
12.4.4 Threat of Substitutes
12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

13.1 Raw Material of Mixed Metal Oxide Desulfurization Sorbent and Key Manufacturers
13.2 Manufacturing Costs Percentage of Mixed Metal Oxide Desulfurization Sorbent
13.3 Mixed Metal Oxide Desulfurization Sorbent Production Process
13.4 Industry Value Chain Analysis

14 SHIPMENTS BY DISTRIBUTION CHANNEL

14.1 Sales Channel
14.1.1 Direct to End-User
14.1.2 Distributors
14.2 Mixed Metal Oxide Desulfurization Sorbent Typical Distributors
14.3 Mixed Metal Oxide Desulfurization Sorbent Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

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16 APPENDIX

16.1 Methodology
16.2 Research Process and Data Source
16.3 Disclaimer

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List Of Tables

LIST OF TABLES

Table 1. Global Mixed Metal Oxide Desulfurization Sorbent Consumption Value by Type, (USD Million), 2021 & 2025 & 2032
Table 2. Global Mixed Metal Oxide Desulfurization Sorbent Consumption Value by Phase Type, (USD Million), 2021 & 2025 & 2032
Table 3. Global Mixed Metal Oxide Desulfurization Sorbent Consumption Value by Product Form, (USD Million), 2021 & 2025 & 2032
Table 4. Global Mixed Metal Oxide Desulfurization Sorbent Consumption Value by Application, (USD Million), 2021 & 2025 & 2032
Table 5. SLB Basic Information, Manufacturing Base and Competitors
Table 6. SLB Major Business
Table 7. SLB Mixed Metal Oxide Desulfurization Sorbent Product and Services
Table 8. SLB Mixed Metal Oxide Desulfurization Sorbent Sales Quantity (Tons), Average Price (US$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 9. SLB Recent Developments/Updates
Table 10. Honeywell Technologies Basic Information, Manufacturing Base and Competitors
Table 11. Honeywell Technologies Major Business
Table 12. Honeywell Technologies Mixed Metal Oxide Desulfurization Sorbent Product and Services
Table 13. Honeywell Technologies Mixed Metal Oxide Desulfurization Sorbent Sales Quantity (Tons), Average Price (US$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 14. Honeywell Technologies Recent Developments/Updates
Table 15. Axens Basic Information, Manufacturing Base and Competitors
Table 16. Axens Major Business
Table 17. Axens Mixed Metal Oxide Desulfurization Sorbent Product and Services
Table 18. Axens Mixed Metal Oxide Desulfurization Sorbent Sales Quantity (Tons), Average Price (US$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 19. Axens Recent Developments/Updates
Table 20. BASF Basic Information, Manufacturing Base and Competitors
Table 21. BASF Major Business
Table 22. BASF Mixed Metal Oxide Desulfurization Sorbent Product and Services
Table 23. BASF Mixed Metal Oxide Desulfurization Sorbent Sales Quantity (Tons),

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Average Price (US$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 24. BASF Recent Developments/Updates
Table 25. Clariant Basic Information, Manufacturing Base and Competitors
Table 26. Clariant Major Business
Table 27. Clariant Mixed Metal Oxide Desulfurization Sorbent Product and Services
Table 28. Clariant Mixed Metal Oxide Desulfurization Sorbent Sales Quantity (Tons), Average Price (US$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 29. Clariant Recent Developments/Updates
Table 30. UNICAT Catalyst Technologies Basic Information, Manufacturing Base and Competitors
Table 31. UNICAT Catalyst Technologies Major Business
Table 32. UNICAT Catalyst Technologies Mixed Metal Oxide Desulfurization Sorbent Product and Services
Table 33. UNICAT Catalyst Technologies Mixed Metal Oxide Desulfurization Sorbent Sales Quantity (Tons), Average Price (US$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 34. UNICAT Catalyst Technologies Recent Developments/Updates
Table 35. Wuhan Kelin Chemical Group Basic Information, Manufacturing Base and Competitors
Table 36. Wuhan Kelin Chemical Group Major Business
Table 37. Wuhan Kelin Chemical Group Mixed Metal Oxide Desulfurization Sorbent Product and Services
Table 38. Wuhan Kelin Chemical Group Mixed Metal Oxide Desulfurization Sorbent Sales Quantity (Tons), Average Price (US$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 39. Wuhan Kelin Chemical Group Recent Developments/Updates
Table 40. Sichuan Shutai Chemical Technology Basic Information, Manufacturing Base and Competitors
Table 41. Sichuan Shutai Chemical Technology Major Business
Table 42. Sichuan Shutai Chemical Technology Mixed Metal Oxide Desulfurization Sorbent Product and Services
Table 43. Sichuan Shutai Chemical Technology Mixed Metal Oxide Desulfurization Sorbent Sales Quantity (Tons), Average Price (US$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 44. Sichuan Shutai Chemical Technology Recent Developments/Updates
Table 45. Global Mixed Metal Oxide Desulfurization Sorbent Sales Quantity by Manufacturer (2021-2026) & (Tons)

+357 96 030922
info@marketpublishers.com

Table 46. Global Mixed Metal Oxide Desulfurization Sorbent Revenue by Manufacturer (2021-2026) & (USD Million)
Table 47. Global Mixed Metal Oxide Desulfurization Sorbent Average Price by Manufacturer (2021-2026) & (US$/Ton)
Table 48. Market Position of Manufacturers in Mixed Metal Oxide Desulfurization Sorbent, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2025
Table 49. Head Office and Mixed Metal Oxide Desulfurization Sorbent Production Site of Key Manufacturer
Table 50. Mixed Metal Oxide Desulfurization Sorbent Market: Company Product Type Footprint
Table 51. Mixed Metal Oxide Desulfurization Sorbent Market: Company Product Application Footprint
Table 52. Mixed Metal Oxide Desulfurization Sorbent New Market Entrants and Barriers to Market Entry
Table 53. Mixed Metal Oxide Desulfurization Sorbent Mergers, Acquisition, Agreements, and Collaborations
Table 54. Global Mixed Metal Oxide Desulfurization Sorbent Consumption Value by Region (2021-2025-2032) & (USD Million) & CAGR
Table 55. Global Mixed Metal Oxide Desulfurization Sorbent Sales Quantity by Region (2021-2026) & (Tons)
Table 56. Global Mixed Metal Oxide Desulfurization Sorbent Sales Quantity by Region (2027-2032) & (Tons)
Table 57. Global Mixed Metal Oxide Desulfurization Sorbent Consumption Value by Region (2021-2026) & (USD Million)
Table 58. Global Mixed Metal Oxide Desulfurization Sorbent Consumption Value by Region (2027-2032) & (USD Million)
Table 59. Global Mixed Metal Oxide Desulfurization Sorbent Average Price by Region (2021-2026) & (US$/Ton)
Table 60. Global Mixed Metal Oxide Desulfurization Sorbent Average Price by Region (2027-2032) & (US$/Ton)
Table 61. Global Mixed Metal Oxide Desulfurization Sorbent Sales Quantity by Type (2021-2026) & (Tons)
Table 62. Global Mixed Metal Oxide Desulfurization Sorbent Sales Quantity by Type (2027-2032) & (Tons)
Table 63. Global Mixed Metal Oxide Desulfurization Sorbent Consumption Value by Type (2021-2026) & (USD Million)
Table 64. Global Mixed Metal Oxide Desulfurization Sorbent Consumption Value by Type (2027-2032) & (USD Million)
Table 65. Global Mixed Metal Oxide Desulfurization Sorbent Average Price by Type

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info@marketpublishers.com

(2021-2026) & (US$/Ton)
Table 66. Global Mixed Metal Oxide Desulfurization Sorbent Average Price by Type (2027-2032) & (US$/Ton)
Table 67. Global Mixed Metal Oxide Desulfurization Sorbent Sales Quantity by Application (2021-2026) & (Tons)
Table 68. Global Mixed Metal Oxide Desulfurization Sorbent Sales Quantity by Application (2027-2032) & (Tons)
Table 69. Global Mixed Metal Oxide Desulfurization Sorbent Consumption Value by Application (2021-2026) & (USD Million)
Table 70. Global Mixed Metal Oxide Desulfurization Sorbent Consumption Value by Application (2027-2032) & (USD Million)
Table 71. Global Mixed Metal Oxide Desulfurization Sorbent Average Price by Application (2021-2026) & (US$/Ton)
Table 72. Global Mixed Metal Oxide Desulfurization Sorbent Average Price by Application (2027-2032) & (US$/Ton)
Table 73. North America Mixed Metal Oxide Desulfurization Sorbent Sales Quantity by Type (2021-2026) & (Tons)
Table 74. North America Mixed Metal Oxide Desulfurization Sorbent Sales Quantity by Type (2027-2032) & (Tons)
Table 75. North America Mixed Metal Oxide Desulfurization Sorbent Sales Quantity by Application (2021-2026) & (Tons)
Table 76. North America Mixed Metal Oxide Desulfurization Sorbent Sales Quantity by Application (2027-2032) & (Tons)
Table 77. North America Mixed Metal Oxide Desulfurization Sorbent Sales Quantity by Country (2021-2026) & (Tons)
Table 78. North America Mixed Metal Oxide Desulfurization Sorbent Sales Quantity by Country (2027-2032) & (Tons)
Table 79. North America Mixed Metal Oxide Desulfurization Sorbent Consumption Value by Country (2021-2026) & (USD Million)
Table 80. North America Mixed Metal Oxide Desulfurization Sorbent Consumption Value by Country (2027-2032) & (USD Million)
Table 81. Europe Mixed Metal Oxide Desulfurization Sorbent Sales Quantity by Type (2021-2026) & (Tons)
Table 82. Europe Mixed Metal Oxide Desulfurization Sorbent Sales Quantity by Type (2027-2032) & (Tons)
Table 83. Europe Mixed Metal Oxide Desulfurization Sorbent Sales Quantity by Application (2021-2026) & (Tons)
Table 84. Europe Mixed Metal Oxide Desulfurization Sorbent Sales Quantity by Application (2027-2032) & (Tons)

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Table 85. Europe Mixed Metal Oxide Desulfurization Sorbent Sales Quantity by Country (2021-2026) & (Tons)
Table 86. Europe Mixed Metal Oxide Desulfurization Sorbent Sales Quantity by Country (2027-2032) & (Tons)
Table 87. Europe Mixed Metal Oxide Desulfurization Sorbent Consumption Value by Country (2021-2026) & (USD Million)
Table 88. Europe Mixed Metal Oxide Desulfurization Sorbent Consumption Value by Country (2027-2032) & (USD Million)
Table 89. Asia-Pacific Mixed Metal Oxide Desulfurization Sorbent Sales Quantity by Type (2021-2026) & (Tons)
Table 90. Asia-Pacific Mixed Metal Oxide Desulfurization Sorbent Sales Quantity by Type (2027-2032) & (Tons)
Table 91. Asia-Pacific Mixed Metal Oxide Desulfurization Sorbent Sales Quantity by Application (2021-2026) & (Tons)
Table 92. Asia-Pacific Mixed Metal Oxide Desulfurization Sorbent Sales Quantity by Application (2027-2032) & (Tons)
Table 93. Asia-Pacific Mixed Metal Oxide Desulfurization Sorbent Sales Quantity by Region (2021-2026) & (Tons)
Table 94. Asia-Pacific Mixed Metal Oxide Desulfurization Sorbent Sales Quantity by Region (2027-2032) & (Tons)
Table 95. Asia-Pacific Mixed Metal Oxide Desulfurization Sorbent Consumption Value by Region (2021-2026) & (USD Million)
Table 96. Asia-Pacific Mixed Metal Oxide Desulfurization Sorbent Consumption Value by Region (2027-2032) & (USD Million)
Table 97. South America Mixed Metal Oxide Desulfurization Sorbent Sales Quantity by Type (2021-2026) & (Tons)
Table 98. South America Mixed Metal Oxide Desulfurization Sorbent Sales Quantity by Type (2027-2032) & (Tons)
Table 99. South America Mixed Metal Oxide Desulfurization Sorbent Sales Quantity by Application (2021-2026) & (Tons)
Table 100. South America Mixed Metal Oxide Desulfurization Sorbent Sales Quantity by Application (2027-2032) & (Tons)
Table 101. South America Mixed Metal Oxide Desulfurization Sorbent Sales Quantity by Country (2021-2026) & (Tons)
Table 102. South America Mixed Metal Oxide Desulfurization Sorbent Sales Quantity by Country (2027-2032) & (Tons)
Table 103. South America Mixed Metal Oxide Desulfurization Sorbent Consumption Value by Country (2021-2026) & (USD Million)
Table 104. South America Mixed Metal Oxide Desulfurization Sorbent Consumption

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Value by Country (2027-2032) & (USD Million)
Table 105. Middle East & Africa Mixed Metal Oxide Desulfurization Sorbent Sales Quantity by Type (2021-2026) & (Tons)
Table 106. Middle East & Africa Mixed Metal Oxide Desulfurization Sorbent Sales Quantity by Type (2027-2032) & (Tons)
Table 107. Middle East & Africa Mixed Metal Oxide Desulfurization Sorbent Sales Quantity by Application (2021-2026) & (Tons)
Table 108. Middle East & Africa Mixed Metal Oxide Desulfurization Sorbent Sales Quantity by Application (2027-2032) & (Tons)
Table 109. Middle East & Africa Mixed Metal Oxide Desulfurization Sorbent Sales Quantity by Country (2021-2026) & (Tons)
Table 110. Middle East & Africa Mixed Metal Oxide Desulfurization Sorbent Sales Quantity by Country (2027-2032) & (Tons)
Table 111. Middle East & Africa Mixed Metal Oxide Desulfurization Sorbent Consumption Value by Country (2021-2026) & (USD Million)
Table 112. Middle East & Africa Mixed Metal Oxide Desulfurization Sorbent Consumption Value by Country (2027-2032) & (USD Million)
Table 113. Mixed Metal Oxide Desulfurization Sorbent Raw Material
Table 114. Key Manufacturers of Mixed Metal Oxide Desulfurization Sorbent Raw Materials
Table 115. Mixed Metal Oxide Desulfurization Sorbent Typical Distributors
Table 116. Mixed Metal Oxide Desulfurization Sorbent Typical Customers

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List Of Figures

LIST OF FIGURES

Figure 1. Mixed Metal Oxide Desulfurization Sorbent Picture
Figure 2. Global Mixed Metal Oxide Desulfurization Sorbent Revenue by Type, (USD Million), 2021 & 2025 & 2032
Figure 3. Global Mixed Metal Oxide Desulfurization Sorbent Revenue Market Share by Type in 2025
Figure 4. Copper-Zinc Series Examples
Figure 5. Zinc-Manganese Series Examples
Figure 6. Iron-Manganese Series Examples
Figure 7. Others Examples
Figure 8. Global Mixed Metal Oxide Desulfurization Sorbent Revenue by Phase Type, (USD Million), 2021 & 2025 & 2032
Figure 9. Global Mixed Metal Oxide Desulfurization Sorbent Revenue Market Share by Phase Type in 2025
Figure 10. Gas Phase Examples
Figure 11. Liquid Phase Examples
Figure 12. Global Mixed Metal Oxide Desulfurization Sorbent Revenue by Product Form, (USD Million), 2021 & 2025 & 2032
Figure 13. Global Mixed Metal Oxide Desulfurization Sorbent Revenue Market Share by Product Form in 2025
Figure 14. Granules Examples
Figure 15. Cylindrical Extrudates Examples
Figure 16. Tablets Examples
Figure 17. Global Mixed Metal Oxide Desulfurization Sorbent Consumption Value by Application, (USD Million), 2021 & 2025 & 2032
Figure 18. Global Mixed Metal Oxide Desulfurization Sorbent Revenue Market Share by Application in 2025
Figure 19. Natural Gas Processing Examples
Figure 20. Oil Refining Examples
Figure 21. Coal Chemical Industry Examples
Figure 22. Biogas Examples
Figure 23. Global Mixed Metal Oxide Desulfurization Sorbent Consumption Value, (USD Million): 2021 & 2025 & 2032
Figure 24. Global Mixed Metal Oxide Desulfurization Sorbent Consumption Value and Forecast (2021-2032) & (USD Million)
Figure 25. Global Mixed Metal Oxide Desulfurization Sorbent Sales Quantity

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(2021-2032) & (Tons)
Figure 26. Global Mixed Metal Oxide Desulfurization Sorbent Price (2021-2032) & (US$/Ton)
Figure 27. Global Mixed Metal Oxide Desulfurization Sorbent Sales Quantity Market Share by Manufacturer in 2025
Figure 28. Global Mixed Metal Oxide Desulfurization Sorbent Revenue Market Share by Manufacturer in 2025
Figure 29. Producer Shipments of Mixed Metal Oxide Desulfurization Sorbent by Manufacturer Sales ($MM) and Market Share (%): 2025
Figure 30. Top 3 Mixed Metal Oxide Desulfurization Sorbent Manufacturer (Revenue) Market Share in 2025
Figure 31. Top 6 Mixed Metal Oxide Desulfurization Sorbent Manufacturer (Revenue) Market Share in 2025
Figure 32. Global Mixed Metal Oxide Desulfurization Sorbent Sales Quantity Market Share by Region (2021-2032)
Figure 33. Global Mixed Metal Oxide Desulfurization Sorbent Consumption Value Market Share by Region (2021-2032)
Figure 34. North America Mixed Metal Oxide Desulfurization Sorbent Consumption Value (2021-2032) & (USD Million)
Figure 35. Europe Mixed Metal Oxide Desulfurization Sorbent Consumption Value (2021-2032) & (USD Million)
Figure 36. Asia-Pacific Mixed Metal Oxide Desulfurization Sorbent Consumption Value (2021-2032) & (USD Million)
Figure 37. South America Mixed Metal Oxide Desulfurization Sorbent Consumption Value (2021-2032) & (USD Million)
Figure 38. Middle East & Africa Mixed Metal Oxide Desulfurization Sorbent Consumption Value (2021-2032) & (USD Million)
Figure 39. Global Mixed Metal Oxide Desulfurization Sorbent Sales Quantity Market Share by Type (2021-2032)
Figure 40. Global Mixed Metal Oxide Desulfurization Sorbent Consumption Value Market Share by Type (2021-2032)
Figure 41. Global Mixed Metal Oxide Desulfurization Sorbent Average Price by Type (2021-2032) & (US$/Ton)
Figure 42. Global Mixed Metal Oxide Desulfurization Sorbent Sales Quantity Market Share by Application (2021-2032)
Figure 43. Global Mixed Metal Oxide Desulfurization Sorbent Revenue Market Share by Application (2021-2032)
Figure 44. Global Mixed Metal Oxide Desulfurization Sorbent Average Price by Application (2021-2032) & (US$/Ton)

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Figure 45. North America Mixed Metal Oxide Desulfurization Sorbent Sales Quantity Market Share by Type (2021-2032)
Figure 46. North America Mixed Metal Oxide Desulfurization Sorbent Sales Quantity Market Share by Application (2021-2032)
Figure 47. North America Mixed Metal Oxide Desulfurization Sorbent Sales Quantity Market Share by Country (2021-2032)
Figure 48. North America Mixed Metal Oxide Desulfurization Sorbent Consumption Value Market Share by Country (2021-2032)
Figure 49. United States Mixed Metal Oxide Desulfurization Sorbent Consumption Value (2021-2032) & (USD Million)
Figure 50. Canada Mixed Metal Oxide Desulfurization Sorbent Consumption Value (2021-2032) & (USD Million)
Figure 51. Mexico Mixed Metal Oxide Desulfurization Sorbent Consumption Value (2021-2032) & (USD Million)
Figure 52. Europe Mixed Metal Oxide Desulfurization Sorbent Sales Quantity Market Share by Type (2021-2032)
Figure 53. Europe Mixed Metal Oxide Desulfurization Sorbent Sales Quantity Market Share by Application (2021-2032)
Figure 54. Europe Mixed Metal Oxide Desulfurization Sorbent Sales Quantity Market Share by Country (2021-2032)
Figure 55. Europe Mixed Metal Oxide Desulfurization Sorbent Consumption Value Market Share by Country (2021-2032)
Figure 56. Germany Mixed Metal Oxide Desulfurization Sorbent Consumption Value (2021-2032) & (USD Million)
Figure 57. France Mixed Metal Oxide Desulfurization Sorbent Consumption Value (2021-2032) & (USD Million)
Figure 58. United Kingdom Mixed Metal Oxide Desulfurization Sorbent Consumption Value (2021-2032) & (USD Million)
Figure 59. Russia Mixed Metal Oxide Desulfurization Sorbent Consumption Value (2021-2032) & (USD Million)
Figure 60. Italy Mixed Metal Oxide Desulfurization Sorbent Consumption Value (2021-2032) & (USD Million)
Figure 61. Asia-Pacific Mixed Metal Oxide Desulfurization Sorbent Sales Quantity Market Share by Type (2021-2032)
Figure 62. Asia-Pacific Mixed Metal Oxide Desulfurization Sorbent Sales Quantity Market Share by Application (2021-2032)
Figure 63. Asia-Pacific Mixed Metal Oxide Desulfurization Sorbent Sales Quantity Market Share by Region (2021-2032)
Figure 64. Asia-Pacific Mixed Metal Oxide Desulfurization Sorbent Consumption Value

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Market Share by Region (2021-2032)
Figure 65. China Mixed Metal Oxide Desulfurization Sorbent Consumption Value (2021-2032) & (USD Million)
Figure 66. Japan Mixed Metal Oxide Desulfurization Sorbent Consumption Value (2021-2032) & (USD Million)
Figure 67. South Korea Mixed Metal Oxide Desulfurization Sorbent Consumption Value (2021-2032) & (USD Million)
Figure 68. India Mixed Metal Oxide Desulfurization Sorbent Consumption Value (2021-2032) & (USD Million)
Figure 69. Southeast Asia Mixed Metal Oxide Desulfurization Sorbent Consumption Value (2021-2032) & (USD Million)
Figure 70. Australia Mixed Metal Oxide Desulfurization Sorbent Consumption Value (2021-2032) & (USD Million)
Figure 71. South America Mixed Metal Oxide Desulfurization Sorbent Sales Quantity Market Share by Type (2021-2032)
Figure 72. South America Mixed Metal Oxide Desulfurization Sorbent Sales Quantity Market Share by Application (2021-2032)
Figure 73. South America Mixed Metal Oxide Desulfurization Sorbent Sales Quantity Market Share by Country (2021-2032)
Figure 74. South America Mixed Metal Oxide Desulfurization Sorbent Consumption Value Market Share by Country (2021-2032)
Figure 75. Brazil Mixed Metal Oxide Desulfurization Sorbent Consumption Value (2021-2032) & (USD Million)
Figure 76. Argentina Mixed Metal Oxide Desulfurization Sorbent Consumption Value (2021-2032) & (USD Million)
Figure 77. Middle East & Africa Mixed Metal Oxide Desulfurization Sorbent Sales Quantity Market Share by Type (2021-2032)
Figure 78. Middle East & Africa Mixed Metal Oxide Desulfurization Sorbent Sales Quantity Market Share by Application (2021-2032)
Figure 79. Middle East & Africa Mixed Metal Oxide Desulfurization Sorbent Sales Quantity Market Share by Country (2021-2032)
Figure 80. Middle East & Africa Mixed Metal Oxide Desulfurization Sorbent Consumption Value Market Share by Country (2021-2032)
Figure 81. Turkey Mixed Metal Oxide Desulfurization Sorbent Consumption Value (2021-2032) & (USD Million)
Figure 82. Egypt Mixed Metal Oxide Desulfurization Sorbent Consumption Value (2021-2032) & (USD Million)
Figure 83. Saudi Arabia Mixed Metal Oxide Desulfurization Sorbent Consumption Value (2021-2032) & (USD Million)

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Figure 84. South Africa Mixed Metal Oxide Desulfurization Sorbent Consumption Value (2021-2032) & (USD Million)
Figure 85. Mixed Metal Oxide Desulfurization Sorbent Market Drivers
Figure 86. Mixed Metal Oxide Desulfurization Sorbent Market Restraints
Figure 87. Mixed Metal Oxide Desulfurization Sorbent Market Trends
Figure 88. Porters Five Forces Analysis
Figure 89. Manufacturing Cost Structure Analysis of Mixed Metal Oxide Desulfurization Sorbent in 2025
Figure 90. Manufacturing Process Analysis of Mixed Metal Oxide Desulfurization Sorbent
Figure 91. Mixed Metal Oxide Desulfurization Sorbent Industrial Chain
Figure 92. Sales Channel: Direct to End-User vs Distributors
Figure 93. Direct Channel Pros & Cons
Figure 94. Indirect Channel Pros & Cons
Figure 95. Methodology
Figure 96. Research Process and Data Source

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