

Global DTC Heavy Metal Chelating Agent 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 DTC Heavy Metal Chelating Agent market size was valued at US\$ 252 million in 2025 and is forecast to a readjusted size of US\$ 420 million by 2032 with a CAGR of 7.8% during review period.

DTC heavy metal chelating agents refer to a class of polymeric or small-molecule organic compounds characterized by dithiocarbamate groups as their primary functional moieties. These agents are capable of undergoing strong chelation reactions with various heavy metal ions present in wastewater or solid waste, forming water-insoluble, structurally stable, and cross-linked heavy metal complexes. This process effectively achieves the separation, removal, or stabilization of heavy metals.

DTC-type heavy metal chelating agents serve as heavy metal scavengers centered around the dithiocarbamate group as their core active component. The upstream supply chain primarily involves raw materials such as carbon disulfide, liquid caustic soda (sodium hydroxide), dimethylamine, ethylenediamine, diethylenetriamine, triethylenetetramine, and piperazine; among these, carbon disulfide, amines, and alkalis constitute the key precursors for forming the DTC structure. The midstream segment encompasses processes such as the synthesis of DTC salts, compounding, and the formulation of liquid or solid preparations. Downstream applications are predominantly found in scenarios involving the treatment of fly ash from waste incineration and industrial wastewater. By utilizing DTC groups to form low-solubility complex precipitates with metal ions—including Cu, Ni, Pb, Cd, Hg, and Zn—these agents are particularly well-suited for treating wastewater containing complexed heavy metals or heavy metals at low concentrations.

In 2025, the global weighted average price for DTC-type heavy metal chelating agents is projected to range from approximately \$700 to \$1,100 per ton. Among these products, the liquid form constitutes the mainstream offering, accounting for approximately 90% of total sales volume. The industry's gross profit margin is estimated to fall within the range of 20% to 35%.

This report is a detailed and comprehensive analysis for global DTC Heavy Metal Chelating Agent 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 DTC Heavy Metal Chelating Agent market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global DTC Heavy Metal Chelating Agent market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global DTC Heavy Metal Chelating Agent 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 DTC Heavy Metal Chelating Agent 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 DTC Heavy Metal Chelating Agent

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 DTC Heavy Metal Chelating Agent 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 Tosoh, Ouchi Shinko Chemical Industrial, SNF Group, Veolia, Aries Chemical, Accepta, Ecolab, Hunan Fortune Technology, Shaoxing Xingxin New Materials, etc.

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

Market Segmentation

DTC Heavy Metal Chelating Agent 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 segment by Type

Liquid

Solid

Market segment by Ingredients

Dimethyl DTC

Diethyl DTC

Others

Market segment by Application

Industrial Wastewater

Waste Incineration Fly Ash

Soil Remediation

Metallurgy

Others

Major players covered

Tosoh

Ouchi Shinko Chemical Industrial

SNF Group

Veolia

Aries Chemical

Accepta

Ecolab

Hunan Fortune Technology

Shaoxing Xingxin New Materials

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 DTC Heavy Metal Chelating Agent product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of DTC Heavy Metal Chelating Agent, with price, sales quantity, revenue, and global market share of DTC Heavy Metal Chelating Agent from 2021 to 2026.

Chapter 3, the DTC Heavy Metal Chelating Agent competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the DTC Heavy Metal Chelating Agent 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 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 DTC Heavy Metal Chelating Agent 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 DTC Heavy Metal Chelating Agent.

Chapter 14 and 15, to describe DTC Heavy Metal Chelating Agent sales channel,

distributors, customers, research findings and conclusion.

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 DTC Heavy Metal Chelating Agent Consumption Value by Type: 2021 Versus 2025 Versus 2032

1.3.2 Liquid

1.3.3 Solid

1.4 Market Analysis by Ingredients

1.4.1 Overview: Global DTC Heavy Metal Chelating Agent Consumption Value by Ingredients: 2021 Versus 2025 Versus 2032

1.4.2 Dimethyl DTC

1.4.3 Diethyl DTC

1.4.4 Others

1.5 Market Analysis by Application

1.5.1 Overview: Global DTC Heavy Metal Chelating Agent Consumption Value by Application: 2021 Versus 2025 Versus 2032

1.5.2 Industrial Wastewater

1.5.3 Waste Incineration Fly Ash

1.5.4 Soil Remediation

1.5.5 Metallurgy

1.5.6 Others

1.6 Global DTC Heavy Metal Chelating Agent Market Size & Forecast

1.6.1 Global DTC Heavy Metal Chelating Agent Consumption Value (2021 & 2025 & 2032)

1.6.2 Global DTC Heavy Metal Chelating Agent Sales Quantity (2021-2032)

1.6.3 Global DTC Heavy Metal Chelating Agent Average Price (2021-2032)

2 MANUFACTURERS PROFILES

2.1 Tosoh

2.1.1 Tosoh Details

2.1.2 Tosoh Major Business

2.1.3 Tosoh DTC Heavy Metal Chelating Agent Product and Services

2.1.4 Tosoh DTC Heavy Metal Chelating Agent Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

- 2.1.5 Tosoh Recent Developments/Updates
- 2.2 Ouchi Shinko Chemical Industrial
 - 2.2.1 Ouchi Shinko Chemical Industrial Details
 - 2.2.2 Ouchi Shinko Chemical Industrial Major Business
 - 2.2.3 Ouchi Shinko Chemical Industrial DTC Heavy Metal Chelating Agent Product and Services
 - 2.2.4 Ouchi Shinko Chemical Industrial DTC Heavy Metal Chelating Agent Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.2.5 Ouchi Shinko Chemical Industrial Recent Developments/Updates
- 2.3 SNF Group
 - 2.3.1 SNF Group Details
 - 2.3.2 SNF Group Major Business
 - 2.3.3 SNF Group DTC Heavy Metal Chelating Agent Product and Services
 - 2.3.4 SNF Group DTC Heavy Metal Chelating Agent Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.3.5 SNF Group Recent Developments/Updates
- 2.4 Veolia
 - 2.4.1 Veolia Details
 - 2.4.2 Veolia Major Business
 - 2.4.3 Veolia DTC Heavy Metal Chelating Agent Product and Services
 - 2.4.4 Veolia DTC Heavy Metal Chelating Agent Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.4.5 Veolia Recent Developments/Updates
- 2.5 Aries Chemical
 - 2.5.1 Aries Chemical Details
 - 2.5.2 Aries Chemical Major Business
 - 2.5.3 Aries Chemical DTC Heavy Metal Chelating Agent Product and Services
 - 2.5.4 Aries Chemical DTC Heavy Metal Chelating Agent Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.5.5 Aries Chemical Recent Developments/Updates
- 2.6 Accepta
 - 2.6.1 Accepta Details
 - 2.6.2 Accepta Major Business
 - 2.6.3 Accepta DTC Heavy Metal Chelating Agent Product and Services
 - 2.6.4 Accepta DTC Heavy Metal Chelating Agent Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.6.5 Accepta Recent Developments/Updates
- 2.7 Ecolab
 - 2.7.1 Ecolab Details

- 2.7.2 Ecolab Major Business
- 2.7.3 Ecolab DTC Heavy Metal Chelating Agent Product and Services
- 2.7.4 Ecolab DTC Heavy Metal Chelating Agent Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
- 2.7.5 Ecolab Recent Developments/Updates
- 2.8 Hunan Fortune Technology
 - 2.8.1 Hunan Fortune Technology Details
 - 2.8.2 Hunan Fortune Technology Major Business
 - 2.8.3 Hunan Fortune Technology DTC Heavy Metal Chelating Agent Product and Services
 - 2.8.4 Hunan Fortune Technology DTC Heavy Metal Chelating Agent Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.8.5 Hunan Fortune Technology Recent Developments/Updates
- 2.9 Shaoxing Xingxin New Materials
 - 2.9.1 Shaoxing Xingxin New Materials Details
 - 2.9.2 Shaoxing Xingxin New Materials Major Business
 - 2.9.3 Shaoxing Xingxin New Materials DTC Heavy Metal Chelating Agent Product and Services
 - 2.9.4 Shaoxing Xingxin New Materials DTC Heavy Metal Chelating Agent Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.9.5 Shaoxing Xingxin New Materials Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: DTC HEAVY METAL CHELATING AGENT BY MANUFACTURER

- 3.1 Global DTC Heavy Metal Chelating Agent Sales Quantity by Manufacturer (2021-2026)
- 3.2 Global DTC Heavy Metal Chelating Agent Revenue by Manufacturer (2021-2026)
- 3.3 Global DTC Heavy Metal Chelating Agent Average Price by Manufacturer (2021-2026)
- 3.4 Market Share Analysis (2025)
 - 3.4.1 Producer Shipments of DTC Heavy Metal Chelating Agent by Manufacturer Revenue (\$MM) and Market Share (%): 2025
 - 3.4.2 Top 3 DTC Heavy Metal Chelating Agent Manufacturer Market Share in 2025
 - 3.4.3 Top 6 DTC Heavy Metal Chelating Agent Manufacturer Market Share in 2025
- 3.5 DTC Heavy Metal Chelating Agent Market: Overall Company Footprint Analysis
 - 3.5.1 DTC Heavy Metal Chelating Agent Market: Region Footprint
 - 3.5.2 DTC Heavy Metal Chelating Agent Market: Company Product Type Footprint
 - 3.5.3 DTC Heavy Metal Chelating Agent 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 DTC Heavy Metal Chelating Agent Market Size by Region

4.1.1 Global DTC Heavy Metal Chelating Agent Sales Quantity by Region (2021-2032)

4.1.2 Global DTC Heavy Metal Chelating Agent Consumption Value by Region (2021-2032)

4.1.3 Global DTC Heavy Metal Chelating Agent Average Price by Region (2021-2032)

4.2 North America DTC Heavy Metal Chelating Agent Consumption Value (2021-2032)

4.3 Europe DTC Heavy Metal Chelating Agent Consumption Value (2021-2032)

4.4 Asia-Pacific DTC Heavy Metal Chelating Agent Consumption Value (2021-2032)

4.5 South America DTC Heavy Metal Chelating Agent Consumption Value (2021-2032)

4.6 Middle East & Africa DTC Heavy Metal Chelating Agent Consumption Value (2021-2032)

5 MARKET SEGMENT BY TYPE

5.1 Global DTC Heavy Metal Chelating Agent Sales Quantity by Type (2021-2032)

5.2 Global DTC Heavy Metal Chelating Agent Consumption Value by Type (2021-2032)

5.3 Global DTC Heavy Metal Chelating Agent Average Price by Type (2021-2032)

6 MARKET SEGMENT BY APPLICATION

6.1 Global DTC Heavy Metal Chelating Agent Sales Quantity by Application (2021-2032)

6.2 Global DTC Heavy Metal Chelating Agent Consumption Value by Application (2021-2032)

6.3 Global DTC Heavy Metal Chelating Agent Average Price by Application (2021-2032)

7 NORTH AMERICA

7.1 North America DTC Heavy Metal Chelating Agent Sales Quantity by Type (2021-2032)

7.2 North America DTC Heavy Metal Chelating Agent Sales Quantity by Application (2021-2032)

7.3 North America DTC Heavy Metal Chelating Agent Market Size by Country

7.3.1 North America DTC Heavy Metal Chelating Agent Sales Quantity by Country (2021-2032)

7.3.2 North America DTC Heavy Metal Chelating Agent 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 DTC Heavy Metal Chelating Agent Sales Quantity by Type (2021-2032)

8.2 Europe DTC Heavy Metal Chelating Agent Sales Quantity by Application (2021-2032)

8.3 Europe DTC Heavy Metal Chelating Agent Market Size by Country

8.3.1 Europe DTC Heavy Metal Chelating Agent Sales Quantity by Country (2021-2032)

8.3.2 Europe DTC Heavy Metal Chelating Agent 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)

9 ASIA-PACIFIC

9.1 Asia-Pacific DTC Heavy Metal Chelating Agent Sales Quantity by Type (2021-2032)

9.2 Asia-Pacific DTC Heavy Metal Chelating Agent Sales Quantity by Application (2021-2032)

9.3 Asia-Pacific DTC Heavy Metal Chelating Agent Market Size by Region

9.3.1 Asia-Pacific DTC Heavy Metal Chelating Agent Sales Quantity by Region (2021-2032)

9.3.2 Asia-Pacific DTC Heavy Metal Chelating Agent 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 DTC Heavy Metal Chelating Agent Sales Quantity by Type (2021-2032)

10.2 South America DTC Heavy Metal Chelating Agent Sales Quantity by Application (2021-2032)

10.3 South America DTC Heavy Metal Chelating Agent Market Size by Country

10.3.1 South America DTC Heavy Metal Chelating Agent Sales Quantity by Country (2021-2032)

10.3.2 South America DTC Heavy Metal Chelating Agent 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 DTC Heavy Metal Chelating Agent Sales Quantity by Type (2021-2032)

11.2 Middle East & Africa DTC Heavy Metal Chelating Agent Sales Quantity by Application (2021-2032)

11.3 Middle East & Africa DTC Heavy Metal Chelating Agent Market Size by Country

11.3.1 Middle East & Africa DTC Heavy Metal Chelating Agent Sales Quantity by Country (2021-2032)

11.3.2 Middle East & Africa DTC Heavy Metal Chelating Agent 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 DTC Heavy Metal Chelating Agent Market Drivers

12.2 DTC Heavy Metal Chelating Agent Market Restraints

12.3 DTC Heavy Metal Chelating Agent 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 DTC Heavy Metal Chelating Agent and Key Manufacturers
- 13.2 Manufacturing Costs Percentage of DTC Heavy Metal Chelating Agent
- 13.3 DTC Heavy Metal Chelating Agent 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 DTC Heavy Metal Chelating Agent Typical Distributors
- 14.3 DTC Heavy Metal Chelating Agent Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

- 16.1 Methodology
- 16.2 Research Process and Data Source
- 16.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Global DTC Heavy Metal Chelating Agent Consumption Value by Type, (USD Million), 2021 & 2025 & 2032

Table 2. Global DTC Heavy Metal Chelating Agent Consumption Value by Ingredients, (USD Million), 2021 & 2025 & 2032

Table 3. Global DTC Heavy Metal Chelating Agent Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Table 4. Tosoh Basic Information, Manufacturing Base and Competitors

Table 5. Tosoh Major Business

Table 6. Tosoh DTC Heavy Metal Chelating Agent Product and Services

Table 7. Tosoh DTC Heavy Metal Chelating Agent Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 8. Tosoh Recent Developments/Updates

Table 9. Ouchi Shinko Chemical Industrial Basic Information, Manufacturing Base and Competitors

Table 10. Ouchi Shinko Chemical Industrial Major Business

Table 11. Ouchi Shinko Chemical Industrial DTC Heavy Metal Chelating Agent Product and Services

Table 12. Ouchi Shinko Chemical Industrial DTC Heavy Metal Chelating Agent Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 13. Ouchi Shinko Chemical Industrial Recent Developments/Updates

Table 14. SNF Group Basic Information, Manufacturing Base and Competitors

Table 15. SNF Group Major Business

Table 16. SNF Group DTC Heavy Metal Chelating Agent Product and Services

Table 17. SNF Group DTC Heavy Metal Chelating Agent Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 18. SNF Group Recent Developments/Updates

Table 19. Veolia Basic Information, Manufacturing Base and Competitors

Table 20. Veolia Major Business

Table 21. Veolia DTC Heavy Metal Chelating Agent Product and Services

Table 22. Veolia DTC Heavy Metal Chelating Agent Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 23. Veolia Recent Developments/Updates

Table 24. Aries Chemical Basic Information, Manufacturing Base and Competitors

Table 25. Aries Chemical Major Business

Table 26. Aries Chemical DTC Heavy Metal Chelating Agent Product and Services

Table 27. Aries Chemical DTC Heavy Metal Chelating Agent Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 28. Aries Chemical Recent Developments/Updates

Table 29. Accepta Basic Information, Manufacturing Base and Competitors

Table 30. Accepta Major Business

Table 31. Accepta DTC Heavy Metal Chelating Agent Product and Services

Table 32. Accepta DTC Heavy Metal Chelating Agent Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 33. Accepta Recent Developments/Updates

Table 34. Ecolab Basic Information, Manufacturing Base and Competitors

Table 35. Ecolab Major Business

Table 36. Ecolab DTC Heavy Metal Chelating Agent Product and Services

Table 37. Ecolab DTC Heavy Metal Chelating Agent Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 38. Ecolab Recent Developments/Updates

Table 39. Hunan Fortune Technology Basic Information, Manufacturing Base and Competitors

Table 40. Hunan Fortune Technology Major Business

Table 41. Hunan Fortune Technology DTC Heavy Metal Chelating Agent Product and Services

Table 42. Hunan Fortune Technology DTC Heavy Metal Chelating Agent Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 43. Hunan Fortune Technology Recent Developments/Updates

Table 44. Shaoxing Xingxin New Materials Basic Information, Manufacturing Base and Competitors

Table 45. Shaoxing Xingxin New Materials Major Business

Table 46. Shaoxing Xingxin New Materials DTC Heavy Metal Chelating Agent Product and Services

Table 47. Shaoxing Xingxin New Materials DTC Heavy Metal Chelating Agent Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 48. Shaoxing Xingxin New Materials Recent Developments/Updates

Table 49. Global DTC Heavy Metal Chelating Agent Sales Quantity by Manufacturer (2021-2026) & (Tons)

Table 50. Global DTC Heavy Metal Chelating Agent Revenue by Manufacturer

(2021-2026) & (USD Million)

Table 51. Global DTC Heavy Metal Chelating Agent Average Price by Manufacturer (2021-2026) & (US\$/Ton)

Table 52. Market Position of Manufacturers in DTC Heavy Metal Chelating Agent, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2025

Table 53. Head Office and DTC Heavy Metal Chelating Agent Production Site of Key Manufacturer

Table 54. DTC Heavy Metal Chelating Agent Market: Company Product Type Footprint

Table 55. DTC Heavy Metal Chelating Agent Market: Company Product Application Footprint

Table 56. DTC Heavy Metal Chelating Agent New Market Entrants and Barriers to Market Entry

Table 57. DTC Heavy Metal Chelating Agent Mergers, Acquisition, Agreements, and Collaborations

Table 58. Global DTC Heavy Metal Chelating Agent Consumption Value by Region (2021-2025-2032) & (USD Million) & CAGR

Table 59. Global DTC Heavy Metal Chelating Agent Sales Quantity by Region (2021-2026) & (Tons)

Table 60. Global DTC Heavy Metal Chelating Agent Sales Quantity by Region (2027-2032) & (Tons)

Table 61. Global DTC Heavy Metal Chelating Agent Consumption Value by Region (2021-2026) & (USD Million)

Table 62. Global DTC Heavy Metal Chelating Agent Consumption Value by Region (2027-2032) & (USD Million)

Table 63. Global DTC Heavy Metal Chelating Agent Average Price by Region (2021-2026) & (US\$/Ton)

Table 64. Global DTC Heavy Metal Chelating Agent Average Price by Region (2027-2032) & (US\$/Ton)

Table 65. Global DTC Heavy Metal Chelating Agent Sales Quantity by Type (2021-2026) & (Tons)

Table 66. Global DTC Heavy Metal Chelating Agent Sales Quantity by Type (2027-2032) & (Tons)

Table 67. Global DTC Heavy Metal Chelating Agent Consumption Value by Type (2021-2026) & (USD Million)

Table 68. Global DTC Heavy Metal Chelating Agent Consumption Value by Type (2027-2032) & (USD Million)

Table 69. Global DTC Heavy Metal Chelating Agent Average Price by Type (2021-2026) & (US\$/Ton)

Table 70. Global DTC Heavy Metal Chelating Agent Average Price by Type

(2027-2032) & (US\$/Ton)

Table 71. Global DTC Heavy Metal Chelating Agent Sales Quantity by Application (2021-2026) & (Tons)

Table 72. Global DTC Heavy Metal Chelating Agent Sales Quantity by Application (2027-2032) & (Tons)

Table 73. Global DTC Heavy Metal Chelating Agent Consumption Value by Application (2021-2026) & (USD Million)

Table 74. Global DTC Heavy Metal Chelating Agent Consumption Value by Application (2027-2032) & (USD Million)

Table 75. Global DTC Heavy Metal Chelating Agent Average Price by Application (2021-2026) & (US\$/Ton)

Table 76. Global DTC Heavy Metal Chelating Agent Average Price by Application (2027-2032) & (US\$/Ton)

Table 77. North America DTC Heavy Metal Chelating Agent Sales Quantity by Type (2021-2026) & (Tons)

Table 78. North America DTC Heavy Metal Chelating Agent Sales Quantity by Type (2027-2032) & (Tons)

Table 79. North America DTC Heavy Metal Chelating Agent Sales Quantity by Application (2021-2026) & (Tons)

Table 80. North America DTC Heavy Metal Chelating Agent Sales Quantity by Application (2027-2032) & (Tons)

Table 81. North America DTC Heavy Metal Chelating Agent Sales Quantity by Country (2021-2026) & (Tons)

Table 82. North America DTC Heavy Metal Chelating Agent Sales Quantity by Country (2027-2032) & (Tons)

Table 83. North America DTC Heavy Metal Chelating Agent Consumption Value by Country (2021-2026) & (USD Million)

Table 84. North America DTC Heavy Metal Chelating Agent Consumption Value by Country (2027-2032) & (USD Million)

Table 85. Europe DTC Heavy Metal Chelating Agent Sales Quantity by Type (2021-2026) & (Tons)

Table 86. Europe DTC Heavy Metal Chelating Agent Sales Quantity by Type (2027-2032) & (Tons)

Table 87. Europe DTC Heavy Metal Chelating Agent Sales Quantity by Application (2021-2026) & (Tons)

Table 88. Europe DTC Heavy Metal Chelating Agent Sales Quantity by Application (2027-2032) & (Tons)

Table 89. Europe DTC Heavy Metal Chelating Agent Sales Quantity by Country (2021-2026) & (Tons)

Table 90. Europe DTC Heavy Metal Chelating Agent Sales Quantity by Country (2027-2032) & (Tons)

Table 91. Europe DTC Heavy Metal Chelating Agent Consumption Value by Country (2021-2026) & (USD Million)

Table 92. Europe DTC Heavy Metal Chelating Agent Consumption Value by Country (2027-2032) & (USD Million)

Table 93. Asia-Pacific DTC Heavy Metal Chelating Agent Sales Quantity by Type (2021-2026) & (Tons)

Table 94. Asia-Pacific DTC Heavy Metal Chelating Agent Sales Quantity by Type (2027-2032) & (Tons)

Table 95. Asia-Pacific DTC Heavy Metal Chelating Agent Sales Quantity by Application (2021-2026) & (Tons)

Table 96. Asia-Pacific DTC Heavy Metal Chelating Agent Sales Quantity by Application (2027-2032) & (Tons)

Table 97. Asia-Pacific DTC Heavy Metal Chelating Agent Sales Quantity by Region (2021-2026) & (Tons)

Table 98. Asia-Pacific DTC Heavy Metal Chelating Agent Sales Quantity by Region (2027-2032) & (Tons)

Table 99. Asia-Pacific DTC Heavy Metal Chelating Agent Consumption Value by Region (2021-2026) & (USD Million)

Table 100. Asia-Pacific DTC Heavy Metal Chelating Agent Consumption Value by Region (2027-2032) & (USD Million)

Table 101. South America DTC Heavy Metal Chelating Agent Sales Quantity by Type (2021-2026) & (Tons)

Table 102. South America DTC Heavy Metal Chelating Agent Sales Quantity by Type (2027-2032) & (Tons)

Table 103. South America DTC Heavy Metal Chelating Agent Sales Quantity by Application (2021-2026) & (Tons)

Table 104. South America DTC Heavy Metal Chelating Agent Sales Quantity by Application (2027-2032) & (Tons)

Table 105. South America DTC Heavy Metal Chelating Agent Sales Quantity by Country (2021-2026) & (Tons)

Table 106. South America DTC Heavy Metal Chelating Agent Sales Quantity by Country (2027-2032) & (Tons)

Table 107. South America DTC Heavy Metal Chelating Agent Consumption Value by Country (2021-2026) & (USD Million)

Table 108. South America DTC Heavy Metal Chelating Agent Consumption Value by Country (2027-2032) & (USD Million)

Table 109. Middle East & Africa DTC Heavy Metal Chelating Agent Sales Quantity by

Type (2021-2026) & (Tons)

Table 110. Middle East & Africa DTC Heavy Metal Chelating Agent Sales Quantity by Type (2027-2032) & (Tons)

Table 111. Middle East & Africa DTC Heavy Metal Chelating Agent Sales Quantity by Application (2021-2026) & (Tons)

Table 112. Middle East & Africa DTC Heavy Metal Chelating Agent Sales Quantity by Application (2027-2032) & (Tons)

Table 113. Middle East & Africa DTC Heavy Metal Chelating Agent Sales Quantity by Country (2021-2026) & (Tons)

Table 114. Middle East & Africa DTC Heavy Metal Chelating Agent Sales Quantity by Country (2027-2032) & (Tons)

Table 115. Middle East & Africa DTC Heavy Metal Chelating Agent Consumption Value by Country (2021-2026) & (USD Million)

Table 116. Middle East & Africa DTC Heavy Metal Chelating Agent Consumption Value by Country (2027-2032) & (USD Million)

Table 117. DTC Heavy Metal Chelating Agent Raw Material

Table 118. Key Manufacturers of DTC Heavy Metal Chelating Agent Raw Materials

Table 119. DTC Heavy Metal Chelating Agent Typical Distributors

Table 120. DTC Heavy Metal Chelating Agent Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. DTC Heavy Metal Chelating Agent Picture

Figure 2. Global DTC Heavy Metal Chelating Agent Revenue by Type, (USD Million), 2021 & 2025 & 2032

Figure 3. Global DTC Heavy Metal Chelating Agent Revenue Market Share by Type in 2025

Figure 4. Liquid Examples

Figure 5. Solid Examples

Figure 6. Global DTC Heavy Metal Chelating Agent Revenue by Ingredients, (USD Million), 2021 & 2025 & 2032

Figure 7. Global DTC Heavy Metal Chelating Agent Revenue Market Share by Ingredients in 2025

Figure 8. Dimethyl DTC Examples

Figure 9. Diethyl DTC Examples

Figure 10. Others Examples

Figure 11. Global DTC Heavy Metal Chelating Agent Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 12. Global DTC Heavy Metal Chelating Agent Revenue Market Share by Application in 2025

Figure 13. Industrial Wastewater Examples

Figure 14. Waste Incineration Fly Ash Examples

Figure 15. Soil Remediation Examples

Figure 16. Metallurgy Examples

Figure 17. Others Examples

Figure 18. Global DTC Heavy Metal Chelating Agent Consumption Value, (USD Million): 2021 & 2025 & 2032

Figure 19. Global DTC Heavy Metal Chelating Agent Consumption Value and Forecast (2021-2032) & (USD Million)

Figure 20. Global DTC Heavy Metal Chelating Agent Sales Quantity (2021-2032) & (Tons)

Figure 21. Global DTC Heavy Metal Chelating Agent Price (2021-2032) & (US\$/Ton)

Figure 22. Global DTC Heavy Metal Chelating Agent Sales Quantity Market Share by Manufacturer in 2025

Figure 23. Global DTC Heavy Metal Chelating Agent Revenue Market Share by Manufacturer in 2025

Figure 24. Producer Shipments of DTC Heavy Metal Chelating Agent by Manufacturer

Sales (\$MM) and Market Share (%): 2025

Figure 25. Top 3 DTC Heavy Metal Chelating Agent Manufacturer (Revenue) Market Share in 2025

Figure 26. Top 6 DTC Heavy Metal Chelating Agent Manufacturer (Revenue) Market Share in 2025

Figure 27. Global DTC Heavy Metal Chelating Agent Sales Quantity Market Share by Region (2021-2032)

Figure 28. Global DTC Heavy Metal Chelating Agent Consumption Value Market Share by Region (2021-2032)

Figure 29. North America DTC Heavy Metal Chelating Agent Consumption Value (2021-2032) & (USD Million)

Figure 30. Europe DTC Heavy Metal Chelating Agent Consumption Value (2021-2032) & (USD Million)

Figure 31. Asia-Pacific DTC Heavy Metal Chelating Agent Consumption Value (2021-2032) & (USD Million)

Figure 32. South America DTC Heavy Metal Chelating Agent Consumption Value (2021-2032) & (USD Million)

Figure 33. Middle East & Africa DTC Heavy Metal Chelating Agent Consumption Value (2021-2032) & (USD Million)

Figure 34. Global DTC Heavy Metal Chelating Agent Sales Quantity Market Share by Type (2021-2032)

Figure 35. Global DTC Heavy Metal Chelating Agent Consumption Value Market Share by Type (2021-2032)

Figure 36. Global DTC Heavy Metal Chelating Agent Average Price by Type (2021-2032) & (US\$/Ton)

Figure 37. Global DTC Heavy Metal Chelating Agent Sales Quantity Market Share by Application (2021-2032)

Figure 38. Global DTC Heavy Metal Chelating Agent Revenue Market Share by Application (2021-2032)

Figure 39. Global DTC Heavy Metal Chelating Agent Average Price by Application (2021-2032) & (US\$/Ton)

Figure 40. North America DTC Heavy Metal Chelating Agent Sales Quantity Market Share by Type (2021-2032)

Figure 41. North America DTC Heavy Metal Chelating Agent Sales Quantity Market Share by Application (2021-2032)

Figure 42. North America DTC Heavy Metal Chelating Agent Sales Quantity Market Share by Country (2021-2032)

Figure 43. North America DTC Heavy Metal Chelating Agent Consumption Value Market Share by Country (2021-2032)

Figure 44. United States DTC Heavy Metal Chelating Agent Consumption Value (2021-2032) & (USD Million)

Figure 45. Canada DTC Heavy Metal Chelating Agent Consumption Value (2021-2032) & (USD Million)

Figure 46. Mexico DTC Heavy Metal Chelating Agent Consumption Value (2021-2032) & (USD Million)

Figure 47. Europe DTC Heavy Metal Chelating Agent Sales Quantity Market Share by Type (2021-2032)

Figure 48. Europe DTC Heavy Metal Chelating Agent Sales Quantity Market Share by Application (2021-2032)

Figure 49. Europe DTC Heavy Metal Chelating Agent Sales Quantity Market Share by Country (2021-2032)

Figure 50. Europe DTC Heavy Metal Chelating Agent Consumption Value Market Share by Country (2021-2032)

Figure 51. Germany DTC Heavy Metal Chelating Agent Consumption Value (2021-2032) & (USD Million)

Figure 52. France DTC Heavy Metal Chelating Agent Consumption Value (2021-2032) & (USD Million)

Figure 53. United Kingdom DTC Heavy Metal Chelating Agent Consumption Value (2021-2032) & (USD Million)

Figure 54. Russia DTC Heavy Metal Chelating Agent Consumption Value (2021-2032) & (USD Million)

Figure 55. Italy DTC Heavy Metal Chelating Agent Consumption Value (2021-2032) & (USD Million)

Figure 56. Asia-Pacific DTC Heavy Metal Chelating Agent Sales Quantity Market Share by Type (2021-2032)

Figure 57. Asia-Pacific DTC Heavy Metal Chelating Agent Sales Quantity Market Share by Application (2021-2032)

Figure 58. Asia-Pacific DTC Heavy Metal Chelating Agent Sales Quantity Market Share by Region (2021-2032)

Figure 59. Asia-Pacific DTC Heavy Metal Chelating Agent Consumption Value Market Share by Region (2021-2032)

Figure 60. China DTC Heavy Metal Chelating Agent Consumption Value (2021-2032) & (USD Million)

Figure 61. Japan DTC Heavy Metal Chelating Agent Consumption Value (2021-2032) & (USD Million)

Figure 62. South Korea DTC Heavy Metal Chelating Agent Consumption Value (2021-2032) & (USD Million)

Figure 63. India DTC Heavy Metal Chelating Agent Consumption Value (2021-2032) &

(USD Million)

Figure 64. Southeast Asia DTC Heavy Metal Chelating Agent Consumption Value (2021-2032) & (USD Million)

Figure 65. Australia DTC Heavy Metal Chelating Agent Consumption Value (2021-2032) & (USD Million)

Figure 66. South America DTC Heavy Metal Chelating Agent Sales Quantity Market Share by Type (2021-2032)

Figure 67. South America DTC Heavy Metal Chelating Agent Sales Quantity Market Share by Application (2021-2032)

Figure 68. South America DTC Heavy Metal Chelating Agent Sales Quantity Market Share by Country (2021-2032)

Figure 69. South America DTC Heavy Metal Chelating Agent Consumption Value Market Share by Country (2021-2032)

Figure 70. Brazil DTC Heavy Metal Chelating Agent Consumption Value (2021-2032) & (USD Million)

Figure 71. Argentina DTC Heavy Metal Chelating Agent Consumption Value (2021-2032) & (USD Million)

Figure 72. Middle East & Africa DTC Heavy Metal Chelating Agent Sales Quantity Market Share by Type (2021-2032)

Figure 73. Middle East & Africa DTC Heavy Metal Chelating Agent Sales Quantity Market Share by Application (2021-2032)

Figure 74. Middle East & Africa DTC Heavy Metal Chelating Agent Sales Quantity Market Share by Country (2021-2032)

Figure 75. Middle East & Africa DTC Heavy Metal Chelating Agent Consumption Value Market Share by Country (2021-2032)

Figure 76. Turkey DTC Heavy Metal Chelating Agent Consumption Value (2021-2032) & (USD Million)

Figure 77. Egypt DTC Heavy Metal Chelating Agent Consumption Value (2021-2032) & (USD Million)

Figure 78. Saudi Arabia DTC Heavy Metal Chelating Agent Consumption Value (2021-2032) & (USD Million)

Figure 79. South Africa DTC Heavy Metal Chelating Agent Consumption Value (2021-2032) & (USD Million)

Figure 80. DTC Heavy Metal Chelating Agent Market Drivers

Figure 81. DTC Heavy Metal Chelating Agent Market Restraints

Figure 82. DTC Heavy Metal Chelating Agent Market Trends

Figure 83. Porters Five Forces Analysis

Figure 84. Manufacturing Cost Structure Analysis of DTC Heavy Metal Chelating Agent in 2025

Figure 85. Manufacturing Process Analysis of DTC Heavy Metal Chelating Agent

Figure 86. DTC Heavy Metal Chelating Agent Industrial Chain

Figure 87. Sales Channel: Direct to End-User vs Distributors

Figure 88. Direct Channel Pros & Cons

Figure 89. Indirect Channel Pros & Cons

Figure 90. Methodology

Figure 91. Research Process and Data Source

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