

Global CO2 Natural Refrigerants Market Research Report 2026(Status and Outlook)

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Abstracts

The 2025 U.S. tariff policies introduce profound uncertainty into the global economic landscape. This report critically examines the implications of recent tariff adjustments and international strategic countermeasures on CO2 Natural Refrigerants competitive dynamics, regional economic interdependencies, and supply chain reconfigurations. CO₂ (R-744) is a natural refrigerant with zero ozone depletion potential (ODP) and a negligible global warming potential (GWP=1). It operates via transcritical or subcritical cycles, primarily used in commercial refrigeration, heat pumps, and automotive AC systems.

The global CO2 Natural Refrigerants market size was estimated at USD 700.0 million in 2025 and is projected to grow at a compound annual growth rate (CAGR) of 11.30% during the forecast period.

This report offers a comprehensive and in-depth analysis of the global CO2 Natural Refrigerants market, covering all critical facets from a broad macroeconomic overview to detailed micro-level insights. It examines market size, competitive landscape, emerging development trends, niche segments, key drivers and challenges, as well as conducts SWOT and value chain analyses.

The insights provided enable readers to understand the competitive dynamics within the industry and formulate effective strategies to enhance profitability and market positioning. Additionally, the report presents a clear framework for evaluating the current status and future outlook of business organizations operating in this sector.

A significant focus of this report lies in the competitive landscape of the global CO2 Natural Refrigerants market. It offers detailed profiles of major players, including their

market shares, performance metrics, product portfolios, and operational status. This enables stakeholders to identify leading competitors and gain a nuanced understanding of market rivalry and structure.

In summary, this report serves as an essential resource for industry participants, investors, researchers, consultants, and business strategists, as well as anyone planning to enter or expand their presence in the CO2 Natural Refrigerants market.

Global CO2 Natural Refrigerants Market: Market Segmentation Analysis

This research report provides a detailed segmentation of the market by region (country), key manufacturers, product type, and application. Market segmentation divides the overall market into distinct subsets based on factors such as product categories, end-user industries, geographic locations, and other relevant criteria.

A clear understanding of these market segments enables decision-makers to tailor their product development, sales, and marketing strategies more effectively to meet the unique needs of each segment. Leveraging market segmentation insights can significantly enhance targeted approaches, optimize resource allocation, and accelerate product innovation cycles by aligning offerings with the specific demands of diverse customer groups.

Key Company

Linde Gas
Air Products
Air Liquide
Messer
Praxair
Taiyo Nippon Sanso
Showa Denko
Juhua Group
Sinochem Lantian
Jinhong Gas
Huatae Gas
SOL Group

Market Segmentation (by Type)

?99.5%

?99.9%

Market Segmentation (by Application)

Refrigerator & Freezer

Air Conditioner

Other

Geographic Segmentation

North America (USA, Canada, Mexico)

Europe (Germany, UK, France, Russia, Italy, Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)

South America (Brazil, Argentina, Columbia, Rest of South America)

The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

Key Benefits of This Market Research:

Industry drivers, restraints, and opportunities covered in the study

Neutral perspective on the market performance

Recent industry trends and developments

Competitive landscape & strategies of key players

Potential & niche segments and regions exhibiting promising growth covered

Historical, current, and projected market size, in terms of value

In-depth analysis of the CO₂ Natural Refrigerants Market

Overview of the regional outlook of the CO₂ Natural Refrigerants Market:

Customization of the Report

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Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the CO2 Natural Refrigerants Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8 provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 9 shares the main producing countries of CO2 Natural Refrigerants, their output value, profit level, regional supply, production capacity layout, etc. from the supply side.

Chapter 10 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 11 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 12 provides a quantitative analysis of the market size and development potential of each market segment in the next five years.

Chapter 13 is the main points and conclusions of the report.

Key Reasons to Buy this Report:

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change

This enables you to anticipate market changes to remain ahead of your competitors

You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents

The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly

Provision of market value data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

6-month post-sales analyst support

Customization of the Report

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Contents

1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE

- 1.1 Market Definition and Statistical Scope of CO2 Natural Refrigerants
- 1.2 Key Market Segments
 - 1.2.1 CO2 Natural Refrigerants Segment by Type
 - 1.2.2 CO2 Natural Refrigerants Segment by Application
- 1.3 Methodology & Sources of Information
 - 1.3.1 Research Methodology
 - 1.3.2 Research Process
 - 1.3.3 Market Breakdown and Data Triangulation
 - 1.3.4 Base Year
 - 1.3.5 Report Assumptions & Caveats

2 CO2 NATURAL REFRIGERANTS MARKET OVERVIEW

- 2.1 Global Market Overview
 - 2.1.1 Global CO2 Natural Refrigerants Market Size (M USD) Estimates and Forecasts (2020-2035)
 - 2.1.2 Global CO2 Natural Refrigerants Sales Estimates and Forecasts (2020-2035)
- 2.2 Market Segment Executive Summary
- 2.3 Global Market Size by Region

3 CO2 NATURAL REFRIGERANTS MARKET COMPETITIVE LANDSCAPE

- 3.1 Company Assessment Quadrant
- 3.2 Global CO2 Natural Refrigerants Product Life Cycle
- 3.3 Global CO2 Natural Refrigerants Sales by Manufacturers (2020-2025)
- 3.4 Global CO2 Natural Refrigerants Revenue Market Share by Manufacturers (2020-2025)
- 3.5 CO2 Natural Refrigerants Market Share by Company Type (Tier 1, Tier 2, and Tier 3)
- 3.6 Global CO2 Natural Refrigerants Average Price by Manufacturers (2020-2025)
- 3.7 Manufacturers? Manufacturing Sites, Areas Served, and Product Types
- 3.8 CO2 Natural Refrigerants Market Competitive Situation and Trends
 - 3.8.1 CO2 Natural Refrigerants Market Concentration Rate
 - 3.8.2 Global 5 and 10 Largest CO2 Natural Refrigerants Players Market Share by Revenue

3.8.3 Mergers & Acquisitions, Expansion

4 CO2 NATURAL REFRIGERANTS INDUSTRY CHAIN ANALYSIS

4.1 CO2 Natural Refrigerants Industry Chain Analysis

4.2 Market Overview of Key Raw Materials

4.3 Midstream Market Analysis

4.4 Downstream Customer Analysis

5 THE DEVELOPMENT AND DYNAMICS OF CO2 NATURAL REFRIGERANTS MARKET

5.1 Key Development Trends

5.2 Driving Factors

5.3 Market Challenges

5.4 Industry News

5.4.1 New Product Developments

5.4.2 Mergers & Acquisitions

5.4.3 Expansions

5.4.4 Collaboration/Supply Contracts

5.5 PEST Analysis

5.5.1 Industry Policies Analysis

5.5.2 Economic Environment Analysis

5.5.3 Social Environment Analysis

5.5.4 Technological Environment Analysis

5.6 Global CO2 Natural Refrigerants Market Porter's Five Forces Analysis

5.6.1 Global Trade Frictions

5.6.2 U.S. Tariff Policy ? April 2025

5.6.3 Global Trade Frictions and Their Impacts to CO2 Natural Refrigerants Market

5.7 ESG Ratings of Leading Companies

6 CO2 NATURAL REFRIGERANTS MARKET SEGMENTATION BY TYPE

6.1 Evaluation Matrix of Segment Market Development Potential (Type)

6.2 Global CO2 Natural Refrigerants Sales Market Share by Type (2020-2025)

6.3 Global CO2 Natural Refrigerants Market Size by Type (2020-2025)

6.4 Global CO2 Natural Refrigerants Price by Type (2020-2025)

7 CO2 NATURAL REFRIGERANTS MARKET SEGMENTATION BY APPLICATION

- 7.1 Evaluation Matrix of Segment Market Development Potential (Application)
- 7.2 Global CO2 Natural Refrigerants Market Sales by Application (2020-2025)
- 7.3 Global CO2 Natural Refrigerants Market Size (M USD) by Application (2020-2025)
- 7.4 Global CO2 Natural Refrigerants Sales Growth Rate by Application (2020-2025)

8 CO2 NATURAL REFRIGERANTS MARKET SALES BY REGION

- 8.1 Global CO2 Natural Refrigerants Sales by Region
 - 8.1.1 Global CO2 Natural Refrigerants Sales by Region
 - 8.1.2 Global CO2 Natural Refrigerants Sales Market Share by Region
- 8.2 Global CO2 Natural Refrigerants Market Size by Region
 - 8.2.1 Global CO2 Natural Refrigerants Market Size by Region
 - 8.2.2 Global CO2 Natural Refrigerants Market Size by Region
- 8.3 North America
 - 8.3.1 North America CO2 Natural Refrigerants Sales by Country
 - 8.3.2 North America CO2 Natural Refrigerants Market Size by Country
 - 8.3.3 U.S. Market Overview
 - 8.3.4 Canada Market Overview
 - 8.3.5 Mexico Market Overview
- 8.4 Europe
 - 8.4.1 Europe CO2 Natural Refrigerants Sales by Country
 - 8.4.2 Europe CO2 Natural Refrigerants Market Size by Country
 - 8.4.3 Germany Market Overview
 - 8.4.4 France Market Overview
 - 8.4.5 U.K. Market Overview
 - 8.4.6 Italy Market Overview
 - 8.4.7 Spain Market Overview
- 8.5 Asia Pacific
 - 8.5.1 Asia Pacific CO2 Natural Refrigerants Sales by Region
 - 8.5.2 Asia Pacific CO2 Natural Refrigerants Market Size by Region
 - 8.5.3 China Market Overview
 - 8.5.4 Japan Market Overview
 - 8.5.5 South Korea Market Overview
 - 8.5.6 India Market Overview
 - 8.5.7 Southeast Asia Market Overview
- 8.6 South America
 - 8.6.1 South America CO2 Natural Refrigerants Sales by Country
 - 8.6.2 South America CO2 Natural Refrigerants Market Size by Country

- 8.6.3 Brazil Market Overview
- 8.6.4 Argentina Market Overview
- 8.6.5 Columbia Market Overview
- 8.7 Middle East and Africa
 - 8.7.1 Middle East and Africa CO2 Natural Refrigerants Sales by Region
 - 8.7.2 Middle East and Africa CO2 Natural Refrigerants Market Size by Region
 - 8.7.3 Saudi Arabia Market Overview
 - 8.7.4 UAE Market Overview
 - 8.7.5 Egypt Market Overview
 - 8.7.6 Nigeria Market Overview
 - 8.7.7 South Africa Market Overview

9 CO2 NATURAL REFRIGERANTS MARKET PRODUCTION BY REGION

- 9.1 Global Production of CO2 Natural Refrigerants by Region(2020-2025)
- 9.2 Global CO2 Natural Refrigerants Revenue Market Share by Region (2020-2025)
- 9.3 Global CO2 Natural Refrigerants Production, Revenue, Price and Gross Margin (2020-2025)
- 9.4 North America CO2 Natural Refrigerants Production
 - 9.4.1 North America CO2 Natural Refrigerants Production Growth Rate (2020-2025)
 - 9.4.2 North America CO2 Natural Refrigerants Production, Revenue, Price and Gross Margin (2020-2025)
- 9.5 Europe CO2 Natural Refrigerants Production
 - 9.5.1 Europe CO2 Natural Refrigerants Production Growth Rate (2020-2025)
 - 9.5.2 Europe CO2 Natural Refrigerants Production, Revenue, Price and Gross Margin (2020-2025)
- 9.6 Japan CO2 Natural Refrigerants Production (2020-2025)
 - 9.6.1 Japan CO2 Natural Refrigerants Production Growth Rate (2020-2025)
 - 9.6.2 Japan CO2 Natural Refrigerants Production, Revenue, Price and Gross Margin (2020-2025)
- 9.7 China CO2 Natural Refrigerants Production (2020-2025)
 - 9.7.1 China CO2 Natural Refrigerants Production Growth Rate (2020-2025)
 - 9.7.2 China CO2 Natural Refrigerants Production, Revenue, Price and Gross Margin (2020-2025)

10 KEY COMPANIES PROFILE

- 10.1 Linde Gas
 - 10.1.1 Linde Gas Basic Information

- 10.1.2 Linde Gas CO2 Natural Refrigerants Product Overview
- 10.1.3 Linde Gas CO2 Natural Refrigerants Product Market Performance
- 10.1.4 Linde Gas Business Overview
- 10.1.5 Linde Gas SWOT Analysis
- 10.1.6 Linde Gas Recent Developments
- 10.2 Air Products
 - 10.2.1 Air Products Basic Information
 - 10.2.2 Air Products CO2 Natural Refrigerants Product Overview
 - 10.2.3 Air Products CO2 Natural Refrigerants Product Market Performance
 - 10.2.4 Air Products Business Overview
 - 10.2.5 Air Products SWOT Analysis
 - 10.2.6 Air Products Recent Developments
- 10.3 Air Liquide
 - 10.3.1 Air Liquide Basic Information
 - 10.3.2 Air Liquide CO2 Natural Refrigerants Product Overview
 - 10.3.3 Air Liquide CO2 Natural Refrigerants Product Market Performance
 - 10.3.4 Air Liquide Business Overview
 - 10.3.5 Air Liquide SWOT Analysis
 - 10.3.6 Air Liquide Recent Developments
- 10.4 Messer
 - 10.4.1 Messer Basic Information
 - 10.4.2 Messer CO2 Natural Refrigerants Product Overview
 - 10.4.3 Messer CO2 Natural Refrigerants Product Market Performance
 - 10.4.4 Messer Business Overview
 - 10.4.5 Messer Recent Developments
- 10.5 Praxair
 - 10.5.1 Praxair Basic Information
 - 10.5.2 Praxair CO2 Natural Refrigerants Product Overview
 - 10.5.3 Praxair CO2 Natural Refrigerants Product Market Performance
 - 10.5.4 Praxair Business Overview
 - 10.5.5 Praxair Recent Developments
- 10.6 Taiyo Nippon Sanso
 - 10.6.1 Taiyo Nippon Sanso Basic Information
 - 10.6.2 Taiyo Nippon Sanso CO2 Natural Refrigerants Product Overview
 - 10.6.3 Taiyo Nippon Sanso CO2 Natural Refrigerants Product Market Performance
 - 10.6.4 Taiyo Nippon Sanso Business Overview
 - 10.6.5 Taiyo Nippon Sanso Recent Developments
- 10.7 Showa Denko
 - 10.7.1 Showa Denko Basic Information

- 10.7.2 Showa Denko CO2 Natural Refrigerants Product Overview
- 10.7.3 Showa Denko CO2 Natural Refrigerants Product Market Performance
- 10.7.4 Showa Denko Business Overview
- 10.7.5 Showa Denko Recent Developments
- 10.8 Juhua Group
 - 10.8.1 Juhua Group Basic Information
 - 10.8.2 Juhua Group CO2 Natural Refrigerants Product Overview
 - 10.8.3 Juhua Group CO2 Natural Refrigerants Product Market Performance
 - 10.8.4 Juhua Group Business Overview
 - 10.8.5 Juhua Group Recent Developments
- 10.9 Sinochem Lantian
 - 10.9.1 Sinochem Lantian Basic Information
 - 10.9.2 Sinochem Lantian CO2 Natural Refrigerants Product Overview
 - 10.9.3 Sinochem Lantian CO2 Natural Refrigerants Product Market Performance
 - 10.9.4 Sinochem Lantian Business Overview
 - 10.9.5 Sinochem Lantian Recent Developments
- 10.10 Jinhong Gas
 - 10.10.1 Jinhong Gas Basic Information
 - 10.10.2 Jinhong Gas CO2 Natural Refrigerants Product Overview
 - 10.10.3 Jinhong Gas CO2 Natural Refrigerants Product Market Performance
 - 10.10.4 Jinhong Gas Business Overview
 - 10.10.5 Jinhong Gas Recent Developments
- 10.11 Huate Gas
 - 10.11.1 Huate Gas Basic Information
 - 10.11.2 Huate Gas CO2 Natural Refrigerants Product Overview
 - 10.11.3 Huate Gas CO2 Natural Refrigerants Product Market Performance
 - 10.11.4 Huate Gas Business Overview
 - 10.11.5 Huate Gas Recent Developments
- 10.12 SOL Group
 - 10.12.1 SOL Group Basic Information
 - 10.12.2 SOL Group CO2 Natural Refrigerants Product Overview
 - 10.12.3 SOL Group CO2 Natural Refrigerants Product Market Performance
 - 10.12.4 SOL Group Business Overview
 - 10.12.5 SOL Group Recent Developments

11 CO2 NATURAL REFRIGERANTS MARKET FORECAST BY REGION

- 11.1 Global CO2 Natural Refrigerants Market Size Forecast
- 11.2 Global CO2 Natural Refrigerants Market Forecast by Region

- 11.2.1 North America Market Size Forecast by Country
- 11.2.2 Europe CO2 Natural Refrigerants Market Size Forecast by Country
- 11.2.3 Asia Pacific CO2 Natural Refrigerants Market Size Forecast by Region
- 11.2.4 South America CO2 Natural Refrigerants Market Size Forecast by Country
- 11.2.5 Middle East and Africa Forecasted Sales of CO2 Natural Refrigerants by Country

12 FORECAST MARKET BY TYPE AND BY APPLICATION (2026-2035)

- 12.1 Global CO2 Natural Refrigerants Market Forecast by Type (2026-2035)
 - 12.1.1 Global Forecasted Sales of CO2 Natural Refrigerants by Type (2026-2035)
 - 12.1.2 Global CO2 Natural Refrigerants Market Size Forecast by Type (2026-2035)
 - 12.1.3 Global Forecasted Price of CO2 Natural Refrigerants by Type (2026-2035)
- 12.2 Global CO2 Natural Refrigerants Market Forecast by Application (2026-2035)
 - 12.2.1 Global CO2 Natural Refrigerants Sales (K MT) Forecast by Application
 - 12.2.2 Global CO2 Natural Refrigerants Market Size (M USD) Forecast by Application (2026-2035)

13 CONCLUSION AND KEY FINDINGS

List Of Tables

LIST OF TABLES

- Table 1. Introduction of the Type
- Table 2. Introduction of the Application
- Table 3. Global CO2 Natural Refrigerants Market Size by Type (M USD)
- Table 4. Global CO2 Natural Refrigerants Market Size by Application
- Table 5. CO2 Natural Refrigerants Market Size Comparison by Region (M USD)
- Table 6. Global CO2 Natural Refrigerants Sales (K MT) by Manufacturers (2020-2025)
- Table 7. Global CO2 Natural Refrigerants Sales Market Share by Manufacturers (2020-2025)
- Table 8. Global CO2 Natural Refrigerants Revenue (M USD) by Manufacturers (2020-2025)
- Table 9. Global CO2 Natural Refrigerants Revenue Share by Manufacturers (2020-2025)
- Table 10. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in CO2 Natural Refrigerants as of 2025)
- Table 11. Global Market CO2 Natural Refrigerants Average Price (USD/KG) of Key Manufacturers (2020-2025)
- Table 12. Manufacturers? Manufacturing Sites, Areas Served
- Table 13. Manufacturers? Product Type
- Table 14. Global CO2 Natural Refrigerants Manufacturers Market Concentration Ratio (CR5 and HHI)
- Table 15. Mergers & Acquisitions, Expansion Plans
- Table 16. Market Overview of Key Raw Materials
- Table 17. Midstream Market Analysis
- Table 18. Downstream Customer Analysis
- Table 19. Key Development Trends
- Table 20. Driving Factors
- Table 21. CO2 Natural Refrigerants Market Challenges
- Table 22. Goldman Sachs' forecast real GDP growth rate for 2025-2026
- Table 23. S&P Global ' Forecast Real GDP Growth Rate For 2025-2027
- Table 24. World Bank ' Forecast Real GDP Growth Rate For 2025-2026
- Table 25. The Tariff Rates Imposed by the United States on Major Commodity Trading Countries
- Table 26. Global CO2 Natural Refrigerants Sales by Type (K MT)
- Table 27. Global CO2 Natural Refrigerants Market Size by Type (M USD)
- Table 28. Global CO2 Natural Refrigerants Sales (K MT) by Type (2020-2025)

- Table 29. Global CO2 Natural Refrigerants Sales Market Share by Type (2020-2025)
- Table 30. Global CO2 Natural Refrigerants Market Size (M USD) by Type (2020-2025)
- Table 31. Global CO2 Natural Refrigerants Market Share by Type (2020-2025)
- Table 32. Global CO2 Natural Refrigerants Price (USD/KG) by Type (2020-2025)
- Table 33. Global CO2 Natural Refrigerants Sales (K MT) by Application
- Table 34. Global CO2 Natural Refrigerants Market Size by Application
- Table 35. Global CO2 Natural Refrigerants Sales by Application (2020-2025) & (K MT)
- Table 36. Global CO2 Natural Refrigerants Sales Market Share by Application (2020-2025)
- Table 37. Global CO2 Natural Refrigerants Market Size by Application (2020-2025) & (M USD)
- Table 38. Global CO2 Natural Refrigerants Market Share by Application (2020-2025)
- Table 39. Global CO2 Natural Refrigerants Sales Growth Rate by Application (2020-2025)
- Table 40. Global CO2 Natural Refrigerants Sales by Region (2020-2025) & (K MT)
- Table 41. Global CO2 Natural Refrigerants Sales Market Share by Region (2020-2025)
- Table 42. Global CO2 Natural Refrigerants Market Size by Region (2020-2025) & (M USD)
- Table 43. Global CO2 Natural Refrigerants Market Size by Region (2020-2025)
- Table 44. North America CO2 Natural Refrigerants Sales by Country (2020-2025) & (K MT)
- Table 45. North America CO2 Natural Refrigerants Market Size by Country (2020-2025) & (M USD)
- Table 46. Europe CO2 Natural Refrigerants Sales by Country (2020-2025) & (K MT)
- Table 47. Europe CO2 Natural Refrigerants Market Size by Country (2020-2025) & (M USD)
- Table 48. Asia Pacific CO2 Natural Refrigerants Sales by Region (2020-2025) & (K MT)
- Table 49. Asia Pacific CO2 Natural Refrigerants Market Size by Region (2020-2025) & (M USD)
- Table 50. South America CO2 Natural Refrigerants Sales by Country (2020-2025) & (K MT)
- Table 51. South America CO2 Natural Refrigerants Market Size by Country (2020-2025) & (M USD)
- Table 52. Middle East and Africa CO2 Natural Refrigerants Sales by Region (2020-2025) & (K MT)
- Table 53. Middle East and Africa CO2 Natural Refrigerants Market Size by Region (2020-2025) & (M USD)
- Table 54. Global CO2 Natural Refrigerants Production (K MT) by Region(2020-2025)
- Table 55. Global CO2 Natural Refrigerants Revenue (US\$ Million) by Region

(2020-2025)

Table 56. Global CO2 Natural Refrigerants Revenue Market Share by Region

(2020-2025)

Table 57. Global CO2 Natural Refrigerants Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 58. North America CO2 Natural Refrigerants Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 59. Europe CO2 Natural Refrigerants Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 60. Japan CO2 Natural Refrigerants Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 61. China CO2 Natural Refrigerants Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 62. Linde Gas Basic Information

Table 63. Linde Gas CO2 Natural Refrigerants Product Overview

Table 64. Linde Gas CO2 Natural Refrigerants Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 65. Linde Gas Business Overview

Table 66. Linde Gas SWOT Analysis

Table 67. Linde Gas Recent Developments

Table 68. Air Products Basic Information

Table 69. Air Products CO2 Natural Refrigerants Product Overview

Table 70. Air Products CO2 Natural Refrigerants Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 71. Air Products Business Overview

Table 72. Air Products SWOT Analysis

Table 73. Air Products Recent Developments

Table 74. Air Liquide Basic Information

Table 75. Air Liquide CO2 Natural Refrigerants Product Overview

Table 76. Air Liquide CO2 Natural Refrigerants Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 77. Air Liquide Business Overview

Table 78. Air Liquide SWOT Analysis

Table 79. Air Liquide Recent Developments

Table 80. Messer Basic Information

Table 81. Messer CO2 Natural Refrigerants Product Overview

Table 82. Messer CO2 Natural Refrigerants Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 83. Messer Business Overview

- Table 84. Messer Recent Developments
- Table 85. Praxair Basic Information
- Table 86. Praxair CO2 Natural Refrigerants Product Overview
- Table 87. Praxair CO2 Natural Refrigerants Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
- Table 88. Praxair Business Overview
- Table 89. Praxair Recent Developments
- Table 90. Taiyo Nippon Sanso Basic Information
- Table 91. Taiyo Nippon Sanso CO2 Natural Refrigerants Product Overview
- Table 92. Taiyo Nippon Sanso CO2 Natural Refrigerants Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
- Table 93. Taiyo Nippon Sanso Business Overview
- Table 94. Taiyo Nippon Sanso Recent Developments
- Table 95. Showa Denko Basic Information
- Table 96. Showa Denko CO2 Natural Refrigerants Product Overview
- Table 97. Showa Denko CO2 Natural Refrigerants Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
- Table 98. Showa Denko Business Overview
- Table 99. Showa Denko Recent Developments
- Table 100. Juhua Group Basic Information
- Table 101. Juhua Group CO2 Natural Refrigerants Product Overview
- Table 102. Juhua Group CO2 Natural Refrigerants Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
- Table 103. Juhua Group Business Overview
- Table 104. Juhua Group Recent Developments
- Table 105. Sinochem Lantian Basic Information
- Table 106. Sinochem Lantian CO2 Natural Refrigerants Product Overview
- Table 107. Sinochem Lantian CO2 Natural Refrigerants Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
- Table 108. Sinochem Lantian Business Overview
- Table 109. Sinochem Lantian Recent Developments
- Table 110. Jinhong Gas Basic Information
- Table 111. Jinhong Gas CO2 Natural Refrigerants Product Overview
- Table 112. Jinhong Gas CO2 Natural Refrigerants Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
- Table 113. Jinhong Gas Business Overview
- Table 114. Jinhong Gas Recent Developments
- Table 115. Huate Gas Basic Information
- Table 116. Huate Gas CO2 Natural Refrigerants Product Overview

Table 117. Huate Gas CO2 Natural Refrigerants Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 118. Huate Gas Business Overview

Table 119. Huate Gas Recent Developments

Table 120. SOL Group Basic Information

Table 121. SOL Group CO2 Natural Refrigerants Product Overview

Table 122. SOL Group CO2 Natural Refrigerants Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 123. SOL Group Business Overview

Table 124. SOL Group Recent Developments

Table 125. Global CO2 Natural Refrigerants Sales Forecast by Region (2026-2035) & (K MT)

Table 126. Global CO2 Natural Refrigerants Market Size Forecast by Region (2026-2035) & (M USD)

Table 127. North America CO2 Natural Refrigerants Sales Forecast by Country (2026-2035) & (K MT)

Table 128. North America CO2 Natural Refrigerants Market Size Forecast by Country (2026-2035) & (M USD)

Table 129. Europe CO2 Natural Refrigerants Sales Forecast by Country (2026-2035) & (K MT)

Table 130. Europe CO2 Natural Refrigerants Market Size Forecast by Country (2026-2035) & (M USD)

Table 131. Asia Pacific CO2 Natural Refrigerants Sales Forecast by Region (2026-2035) & (K MT)

Table 132. Asia Pacific CO2 Natural Refrigerants Market Size Forecast by Region (2026-2035) & (M USD)

Table 133. South America CO2 Natural Refrigerants Sales Forecast by Country (2026-2035) & (K MT)

Table 134. South America CO2 Natural Refrigerants Market Size Forecast by Country (2026-2035) & (M USD)

Table 135. Middle East and Africa CO2 Natural Refrigerants Sales Forecast by Country (2026-2035) & (Units)

Table 136. Middle East and Africa CO2 Natural Refrigerants Market Size Forecast by Country (2026-2035) & (M USD)

Table 137. Global CO2 Natural Refrigerants Sales Forecast by Type (2026-2035) & (K MT)

Table 138. Global CO2 Natural Refrigerants Market Size Forecast by Type (2026-2035) & (M USD)

Table 139. Global CO2 Natural Refrigerants Price Forecast by Type (2026-2035) &

(USD/KG)

Table 140. Global CO2 Natural Refrigerants Sales (K MT) Forecast by Application (2026-2035)

Table 141. Global CO2 Natural Refrigerants Market Size Forecast by Application (2026-2035) & (M USD)

List Of Figures

LIST OF FIGURES

- Figure 1. Product Picture of CO2 Natural Refrigerants
- Figure 2. Data Triangulation
- Figure 3. Key Caveats
- Figure 4. Global CO2 Natural Refrigerants Market Size (M USD), 2025-2035
- Figure 5. Global CO2 Natural Refrigerants Market Size (M USD) (2020-2035)
- Figure 6. Global CO2 Natural Refrigerants Sales (K MT) & (2020-2035)
- Figure 7. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 8. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 9. Evaluation Matrix of Regional Market Development Potential
- Figure 10. CO2 Natural Refrigerants Market Size by Country (M USD)
- Figure 11. Company Assessment Quadrant
- Figure 12. Global CO2 Natural Refrigerants Product Life Cycle
- Figure 13. CO2 Natural Refrigerants Sales Share by Manufacturers in 2025
- Figure 14. Global CO2 Natural Refrigerants Revenue Share by Manufacturers in 2025
- Figure 15. CO2 Natural Refrigerants Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2025
- Figure 16. Global Market CO2 Natural Refrigerants Average Price (USD/KG) of Key Manufacturers in 2025
- Figure 17. The Global 5 and 10 Largest Players: Market Share by CO2 Natural Refrigerants Revenue in 2025
- Figure 18. Industry Chain Map of CO2 Natural Refrigerants
- Figure 19. Global CO2 Natural Refrigerants Market PEST Analysis
- Figure 20. Global CO2 Natural Refrigerants Market Porter's Five Forces Analysis
- Figure 21. Global Merchandise Trade as a Percentage Of GDP
- Figure 22. US - Imports of Goods by Country
- Figure 23. China Exports by Country
- Figure 24. ESG Rating Distribution of The Leading Company Compared With Its Peers
- Figure 25. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 26. Global CO2 Natural Refrigerants Market Share by Type
- Figure 27. Sales Market Share of CO2 Natural Refrigerants by Type (2020-2025)
- Figure 28. Sales Market Share of CO2 Natural Refrigerants by Type in 2025
- Figure 29. Market Share of CO2 Natural Refrigerants by Type (2020-2025)
- Figure 30. Market Share of CO2 Natural Refrigerants by Type in 2025
- Figure 31. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 32. Global CO2 Natural Refrigerants Market Share by Application

Figure 33. Global CO2 Natural Refrigerants Sales Market Share by Application (2020-2025)

Figure 34. Global CO2 Natural Refrigerants Sales Market Share by Application in 2025

Figure 35. Global CO2 Natural Refrigerants Market Share by Application (2020-2025)

Figure 36. Global CO2 Natural Refrigerants Market Share by Application in 2025

Figure 37. Global CO2 Natural Refrigerants Sales Growth Rate by Application (2020-2025)

Figure 38. Global CO2 Natural Refrigerants Sales Market Share by Region (2020-2025)

Figure 39. Global CO2 Natural Refrigerants Market Size by Region (2020-2025)

Figure 40. North America CO2 Natural Refrigerants Sales and Growth Rate (2020-2025) & (K MT)

Figure 41. North America CO2 Natural Refrigerants Sales and Growth Rate (2020-2025) & (K MT)

Figure 42. North America CO2 Natural Refrigerants Sales Market Share by Country in 2024

Figure 43. North America CO2 Natural Refrigerants Market Size and Growth Rate (2020-2025) & (M USD)

Figure 44. North America CO2 Natural Refrigerants Market Size by Country in 2024

Figure 45. U.S. CO2 Natural Refrigerants Sales and Growth Rate (2020-2025) & (K MT)

Figure 46. U.S. CO2 Natural Refrigerants Market Size and Growth Rate (2020-2025) & (M USD)

Figure 47. Canada CO2 Natural Refrigerants Sales (K MT) and Growth Rate (2020-2025)

Figure 48. Canada CO2 Natural Refrigerants Market Size (M USD) and Growth Rate (2020-2025)

Figure 49. Mexico CO2 Natural Refrigerants Sales (Units) and Growth Rate (2020-2025)

Figure 50. Mexico CO2 Natural Refrigerants Market Size (Units) and Growth Rate (2020-2025)

Figure 51. Europe CO2 Natural Refrigerants Sales and Growth Rate (2020-2025) & (K MT)

Figure 52. Europe CO2 Natural Refrigerants Sales Market Share by Country in 2024

Figure 53. Europe CO2 Natural Refrigerants Market Size and Growth Rate (2020-2025) & (M USD)

Figure 54. Europe CO2 Natural Refrigerants Market Size by Country in 2024

Figure 55. Germany CO2 Natural Refrigerants Sales and Growth Rate (2020-2025) & (K MT)

Figure 56. Germany CO2 Natural Refrigerants Market Size and Growth Rate (2020-2025) & (M USD)

Figure 57. France CO2 Natural Refrigerants Sales and Growth Rate (2020-2025) & (K MT)

Figure 58. France CO2 Natural Refrigerants Market Size and Growth Rate (2020-2025) & (M USD)

Figure 59. U.K. CO2 Natural Refrigerants Sales and Growth Rate (2020-2025) & (K MT)

Figure 60. U.K. CO2 Natural Refrigerants Market Size and Growth Rate (2020-2025) & (M USD)

Figure 61. Italy CO2 Natural Refrigerants Sales and Growth Rate (2020-2025) & (K MT)

Figure 62. Italy CO2 Natural Refrigerants Market Size and Growth Rate (2020-2025) & (M USD)

Figure 63. Spain CO2 Natural Refrigerants Sales and Growth Rate (2020-2025) & (K MT)

Figure 64. Spain CO2 Natural Refrigerants Market Size and Growth Rate (2020-2025) & (M USD)

Figure 65. Asia Pacific CO2 Natural Refrigerants Sales and Growth Rate (K MT)

Figure 66. Asia Pacific CO2 Natural Refrigerants Sales Market Share by Region in 2024

Figure 67. Asia Pacific CO2 Natural Refrigerants Market Size by Region in 2024

Figure 68. China CO2 Natural Refrigerants Sales and Growth Rate (2020-2025) & (K MT)

Figure 69. China CO2 Natural Refrigerants Market Size and Growth Rate (2020-2025) & (M USD)

Figure 70. Japan CO2 Natural Refrigerants Sales and Growth Rate (2020-2025) & (K MT)

Figure 71. Japan CO2 Natural Refrigerants Market Size and Growth Rate (2020-2025) & (M USD)

Figure 72. South Korea CO2 Natural Refrigerants Sales and Growth Rate (2020-2025) & (K MT)

Figure 73. South Korea CO2 Natural Refrigerants Market Size and Growth Rate (2020-2025) & (M USD)

Figure 74. India CO2 Natural Refrigerants Sales and Growth Rate (2020-2025) & (K MT)

Figure 75. India CO2 Natural Refrigerants Market Size and Growth Rate (2020-2025) & (M USD)

Figure 76. Southeast Asia CO2 Natural Refrigerants Sales and Growth Rate (2020-2025) & (K MT)

Figure 77. Southeast Asia CO2 Natural Refrigerants Market Size and Growth Rate (2020-2025) & (M USD)

Figure 78. South America CO2 Natural Refrigerants Sales and Growth Rate (K MT)

Figure 79. South America CO2 Natural Refrigerants Sales Market Share by Country in

2024

Figure 80. South America CO2 Natural Refrigerants Market Size and Growth Rate (M USD)

Figure 81. South America CO2 Natural Refrigerants Market Size by Country in 2024

Figure 82. Brazil CO2 Natural Refrigerants Sales and Growth Rate (2020-2025) & (K MT)

Figure 83. Brazil CO2 Natural Refrigerants Market Size and Growth Rate (2020-2025) & (M USD)

Figure 84. Argentina CO2 Natural Refrigerants Sales and Growth Rate (2020-2025) & (K MT)

Figure 85. Argentina CO2 Natural Refrigerants Market Size and Growth Rate (2020-2025) & (M USD)

Figure 86. Columbia CO2 Natural Refrigerants Sales and Growth Rate (2020-2025) & (K MT)

Figure 87. Columbia CO2 Natural Refrigerants Market Size and Growth Rate (2020-2025) & (M USD)

Figure 88. Middle East and Africa CO2 Natural Refrigerants Sales and Growth Rate (K MT)

Figure 89. Middle East and Africa CO2 Natural Refrigerants Sales Market Share by Region in 2024

Figure 90. Middle East and Africa CO2 Natural Refrigerants Market Size and Growth Rate (M USD)

Figure 91. Middle East and Africa CO2 Natural Refrigerants Market Size by Region in 2024

Figure 92. Saudi Arabia CO2 Natural Refrigerants Sales and Growth Rate (2020-2025) & (K MT)

Figure 93. Saudi Arabia CO2 Natural Refrigerants Market Size and Growth Rate (2020-2025) & (M USD)

Figure 94. UAE CO2 Natural Refrigerants Sales and Growth Rate (2020-2025) & (K MT)

Figure 95. UAE CO2 Natural Refrigerants Market Size and Growth Rate (2020-2025) & (M USD)

Figure 96. Egypt CO2 Natural Refrigerants Sales and Growth Rate (2020-2025) & (K MT)

Figure 97. Egypt CO2 Natural Refrigerants Market Size and Growth Rate (2020-2025) & (M USD)

Figure 98. Nigeria CO2 Natural Refrigerants Sales and Growth Rate (2020-2025) & (K MT)

Figure 99. Nigeria CO2 Natural Refrigerants Market Size and Growth Rate (2020-2025)

& (M USD)

Figure 100. South Africa CO2 Natural Refrigerants Sales and Growth Rate (2020-2025)
& (K MT)

Figure 101. South Africa CO2 Natural Refrigerants Market Size and Growth Rate
(2020-2025) & (M USD)

Figure 102. Global CO2 Natural Refrigerants Production Market Share by Region
(2020-2025)

Figure 103. North America CO2 Natural Refrigerants Production (K MT) Growth Rate
(2020-2025)

Figure 104. Europe CO2 Natural Refrigerants Production (K MT) Growth Rate
(2020-2025)

Figure 105. Japan CO2 Natural Refrigerants Production (K MT) Growth Rate
(2020-2025)

Figure 106. China CO2 Natural Refrigerants Production (K MT) Growth Rate
(2020-2025)

Figure 107. Global CO2 Natural Refrigerants Sales Forecast by Volume (2020-2035) &
(K MT)

Figure 108. Global CO2 Natural Refrigerants Market Size Forecast by Value
(2020-2035) & (M USD)

Figure 109. Global CO2 Natural Refrigerants Sales Market Share Forecast by Type
(2026-2035)

Figure 110. Global CO2 Natural Refrigerants Market Share Forecast by Type
(2026-2035)

Figure 111. Global CO2 Natural Refrigerants Sales Forecast by Application (2026-2035)

Figure 112. Global CO2 Natural Refrigerants Market Share Forecast by Application
(2026-2035)

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