

Global Green Hydrocarbon Refrigerant Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

<https://marketpublishers.com/r/GFADBE9D6FECEN.html>

Date: May 2024

Pages: 109

Price: US\$ 3,480.00 (Single User License)

ID: GFADBE9D6FECEN

Abstracts

Green Hydrocarbon Refrigerant is a type of refrigerant with two major advantages: energy saving and environmental protection. Compared with traditional refrigerants, such as R134 and R22, air conditioners using hydrocarbon refrigerants can save energy consumption by about 15% to 35%. In addition, because hydrocarbon refrigerants are natural substances, they have no pollution to the atmosphere, no damage to the ozone layer, and their greenhouse effect is almost zero.

According to our (Global Info Research) latest study, the global Green Hydrocarbon Refrigerant market size was valued at US\$ million in 2023 and is forecast to a readjusted size of USD million by 2030 with a CAGR of %during review period.

As the global demand for Green Hydrocarbon Refrigerant grows, the market for Green Hydrocarbon Refrigerant is expected to further expand. Some leading companies in the industry may benefit from this trend due to their higher quota ratios and diversified business segments. At the same time, with the smooth transition of the market from old refrigerants to new generation refrigerants and the recent increase in refrigerant prices, the industry may usher in a turning point in prosperity.

This report is a detailed and comprehensive analysis for global Green Hydrocarbon Refrigerant 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 2024, are provided.

Key Features:

Global Green Hydrocarbon Refrigerant market size and forecasts, in consumption value (\$ Million), sales quantity (L), and average selling prices (US\$/L), 2019-2030

Global Green Hydrocarbon Refrigerant market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (L), and average selling prices (US\$/L), 2019-2030

Global Green Hydrocarbon Refrigerant market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (L), and average selling prices (US\$/L), 2019-2030

Global Green Hydrocarbon Refrigerant market shares of main players, shipments in revenue (\$ Million), sales quantity (L), and ASP (US\$/L), 2019-2024

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 Green Hydrocarbon Refrigerant

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 Green Hydrocarbon Refrigerant 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 Shandong Yuean Chemical Industry, Air Liquide (Airgas Refrigerants Inc.), Linde Group, Sinochem Group, Iwatani, Evonik, Sigma-Aldrich, Tokyo Chemical Industry, A-Gas, Messer, etc.

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

Market Segmentation

Green Hydrocarbon Refrigerant market is split by Type and by Application. For the period 2019-2030, 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

Propane (R-290)

Isobutane (R-600a)

Propylene(R1270)

Others

Market segment by Application

Refrigerators

Chillers

Air Conditioners

Others

Major players covered

Shandong Yuean Chemical Industry

Air Liquide (Airgas Refrigerants Inc.)

Linde Group

Sinochem Group

Iwatani

Evonik

Sigma-Aldrich

Tokyo Chemical Industry

A-Gas

Messer

Air Products

Heze Sirloong Chemical

Diversified CPC

Engas

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 Green Hydrocarbon Refrigerant product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Green Hydrocarbon Refrigerant, with

price, sales quantity, revenue, and global market share of Green Hydrocarbon Refrigerant from 2019 to 2024.

Chapter 3, the Green Hydrocarbon Refrigerant competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Green Hydrocarbon Refrigerant breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2019 to 2030.

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 2019 to 2030.

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 2019 to 2024. and Green Hydrocarbon Refrigerant market forecast, by regions, by Type, and by Application, with sales and revenue, from 2025 to 2030.

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 Green Hydrocarbon Refrigerant.

Chapter 14 and 15, to describe Green Hydrocarbon Refrigerant 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 Green Hydrocarbon Refrigerant Consumption Value by Type: 2019 Versus 2023 Versus 2030

1.3.2 Propane (R-290)

1.3.3 Isobutane (R-600a)

1.3.4 Propylene(R1270)

1.3.5 Others

1.4 Market Analysis by Application

1.4.1 Overview: Global Green Hydrocarbon Refrigerant Consumption Value by Application: 2019 Versus 2023 Versus 2030

1.4.2 Refrigerators

1.4.3 Chillers

1.4.4 Air Conditioners

1.4.5 Others

1.5 Global Green Hydrocarbon Refrigerant Market Size & Forecast

1.5.1 Global Green Hydrocarbon Refrigerant Consumption Value (2019 & 2023 & 2030)

1.5.2 Global Green Hydrocarbon Refrigerant Sales Quantity (2019-2030)

1.5.3 Global Green Hydrocarbon Refrigerant Average Price (2019-2030)

2 MANUFACTURERS PROFILES

2.1 Shandong Yuean Chemical Industry

2.1.1 Shandong Yuean Chemical Industry Details

2.1.2 Shandong Yuean Chemical Industry Major Business

2.1.3 Shandong Yuean Chemical Industry Green Hydrocarbon Refrigerant Product and Services

2.1.4 Shandong Yuean Chemical Industry Green Hydrocarbon Refrigerant Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.1.5 Shandong Yuean Chemical Industry Recent Developments/Updates

2.2 Air Liquide (Airgas Refrigerants Inc.)

2.2.1 Air Liquide (Airgas Refrigerants Inc.) Details

2.2.2 Air Liquide (Airgas Refrigerants Inc.) Major Business

2.2.3 Air Liquide (Airgas Refrigerants Inc.) Green Hydrocarbon Refrigerant Product and Services

2.2.4 Air Liquide (Airgas Refrigerants Inc.) Green Hydrocarbon Refrigerant Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.2.5 Air Liquide (Airgas Refrigerants Inc.) Recent Developments/Updates

2.3 Linde Group

2.3.1 Linde Group Details

2.3.2 Linde Group Major Business

2.3.3 Linde Group Green Hydrocarbon Refrigerant Product and Services

2.3.4 Linde Group Green Hydrocarbon Refrigerant Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.3.5 Linde Group Recent Developments/Updates

2.4 Sinochem Group

2.4.1 Sinochem Group Details

2.4.2 Sinochem Group Major Business

2.4.3 Sinochem Group Green Hydrocarbon Refrigerant Product and Services

2.4.4 Sinochem Group Green Hydrocarbon Refrigerant Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.4.5 Sinochem Group Recent Developments/Updates

2.5 Iwatani

2.5.1 Iwatani Details

2.5.2 Iwatani Major Business

2.5.3 Iwatani Green Hydrocarbon Refrigerant Product and Services

2.5.4 Iwatani Green Hydrocarbon Refrigerant Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.5.5 Iwatani Recent Developments/Updates

2.6 Evonik

2.6.1 Evonik Details

2.6.2 Evonik Major Business

2.6.3 Evonik Green Hydrocarbon Refrigerant Product and Services

2.6.4 Evonik Green Hydrocarbon Refrigerant Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.6.5 Evonik Recent Developments/Updates

2.7 Sigma-Aldrich

2.7.1 Sigma-Aldrich Details

2.7.2 Sigma-Aldrich Major Business

2.7.3 Sigma-Aldrich Green Hydrocarbon Refrigerant Product and Services

2.7.4 Sigma-Aldrich Green Hydrocarbon Refrigerant Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

- 2.7.5 Sigma-Aldrich Recent Developments/Updates
- 2.8 Tokyo Chemical Industry
 - 2.8.1 Tokyo Chemical Industry Details
 - 2.8.2 Tokyo Chemical Industry Major Business
 - 2.8.3 Tokyo Chemical Industry Green Hydrocarbon Refrigerant Product and Services
 - 2.8.4 Tokyo Chemical Industry Green Hydrocarbon Refrigerant Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.8.5 Tokyo Chemical Industry Recent Developments/Updates
- 2.9 A-Gas
 - 2.9.1 A-Gas Details
 - 2.9.2 A-Gas Major Business
 - 2.9.3 A-Gas Green Hydrocarbon Refrigerant Product and Services
 - 2.9.4 A-Gas Green Hydrocarbon Refrigerant Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.9.5 A-Gas Recent Developments/Updates
- 2.10 Messer
 - 2.10.1 Messer Details
 - 2.10.2 Messer Major Business
 - 2.10.3 Messer Green Hydrocarbon Refrigerant Product and Services
 - 2.10.4 Messer Green Hydrocarbon Refrigerant Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.10.5 Messer Recent Developments/Updates
- 2.11 Air Products
 - 2.11.1 Air Products Details
 - 2.11.2 Air Products Major Business
 - 2.11.3 Air Products Green Hydrocarbon Refrigerant Product and Services
 - 2.11.4 Air Products Green Hydrocarbon Refrigerant Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.11.5 Air Products Recent Developments/Updates
- 2.12 Heze Sirloong Chemical
 - 2.12.1 Heze Sirloong Chemical Details
 - 2.12.2 Heze Sirloong Chemical Major Business
 - 2.12.3 Heze Sirloong Chemical Green Hydrocarbon Refrigerant Product and Services
 - 2.12.4 Heze Sirloong Chemical Green Hydrocarbon Refrigerant Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.12.5 Heze Sirloong Chemical Recent Developments/Updates
- 2.13 Diversified CPC
 - 2.13.1 Diversified CPC Details
 - 2.13.2 Diversified CPC Major Business

- 2.13.3 Diversified CPC Green Hydrocarbon Refrigerant Product and Services
- 2.13.4 Diversified CPC Green Hydrocarbon Refrigerant Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
- 2.13.5 Diversified CPC Recent Developments/Updates
- 2.14 Engas
 - 2.14.1 Engas Details
 - 2.14.2 Engas Major Business
 - 2.14.3 Engas Green Hydrocarbon Refrigerant Product and Services
 - 2.14.4 Engas Green Hydrocarbon Refrigerant Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.14.5 Engas Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: GREEN HYDROCARBON REFRIGERANT BY MANUFACTURER

- 3.1 Global Green Hydrocarbon Refrigerant Sales Quantity by Manufacturer (2019-2024)
- 3.2 Global Green Hydrocarbon Refrigerant Revenue by Manufacturer (2019-2024)
- 3.3 Global Green Hydrocarbon Refrigerant Average Price by Manufacturer (2019-2024)
- 3.4 Market Share Analysis (2023)
 - 3.4.1 Producer Shipments of Green Hydrocarbon Refrigerant by Manufacturer Revenue (\$MM) and Market Share (%): 2023
 - 3.4.2 Top 3 Green Hydrocarbon Refrigerant Manufacturer Market Share in 2023
 - 3.4.3 Top 6 Green Hydrocarbon Refrigerant Manufacturer Market Share in 2023
- 3.5 Green Hydrocarbon Refrigerant Market: Overall Company Footprint Analysis
 - 3.5.1 Green Hydrocarbon Refrigerant Market: Region Footprint
 - 3.5.2 Green Hydrocarbon Refrigerant Market: Company Product Type Footprint
 - 3.5.3 Green Hydrocarbon Refrigerant 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 Green Hydrocarbon Refrigerant Market Size by Region
 - 4.1.1 Global Green Hydrocarbon Refrigerant Sales Quantity by Region (2019-2030)
 - 4.1.2 Global Green Hydrocarbon Refrigerant Consumption Value by Region (2019-2030)
 - 4.1.3 Global Green Hydrocarbon Refrigerant Average Price by Region (2019-2030)
- 4.2 North America Green Hydrocarbon Refrigerant Consumption Value (2019-2030)
- 4.3 Europe Green Hydrocarbon Refrigerant Consumption Value (2019-2030)

- 4.4 Asia-Pacific Green Hydrocarbon Refrigerant Consumption Value (2019-2030)
- 4.5 South America Green Hydrocarbon Refrigerant Consumption Value (2019-2030)
- 4.6 Middle East & Africa Green Hydrocarbon Refrigerant Consumption Value (2019-2030)

5 MARKET SEGMENT BY TYPE

- 5.1 Global Green Hydrocarbon Refrigerant Sales Quantity by Type (2019-2030)
- 5.2 Global Green Hydrocarbon Refrigerant Consumption Value by Type (2019-2030)
- 5.3 Global Green Hydrocarbon Refrigerant Average Price by Type (2019-2030)

6 MARKET SEGMENT BY APPLICATION

- 6.1 Global Green Hydrocarbon Refrigerant Sales Quantity by Application (2019-2030)
- 6.2 Global Green Hydrocarbon Refrigerant Consumption Value by Application (2019-2030)
- 6.3 Global Green Hydrocarbon Refrigerant Average Price by Application (2019-2030)

7 NORTH AMERICA

- 7.1 North America Green Hydrocarbon Refrigerant Sales Quantity by Type (2019-2030)
- 7.2 North America Green Hydrocarbon Refrigerant Sales Quantity by Application (2019-2030)
- 7.3 North America Green Hydrocarbon Refrigerant Market Size by Country
 - 7.3.1 North America Green Hydrocarbon Refrigerant Sales Quantity by Country (2019-2030)
 - 7.3.2 North America Green Hydrocarbon Refrigerant Consumption Value by Country (2019-2030)
 - 7.3.3 United States Market Size and Forecast (2019-2030)
 - 7.3.4 Canada Market Size and Forecast (2019-2030)
 - 7.3.5 Mexico Market Size and Forecast (2019-2030)

8 EUROPE

- 8.1 Europe Green Hydrocarbon Refrigerant Sales Quantity by Type (2019-2030)
- 8.2 Europe Green Hydrocarbon Refrigerant Sales Quantity by Application (2019-2030)
- 8.3 Europe Green Hydrocarbon Refrigerant Market Size by Country
 - 8.3.1 Europe Green Hydrocarbon Refrigerant Sales Quantity by Country (2019-2030)
 - 8.3.2 Europe Green Hydrocarbon Refrigerant Consumption Value by Country

(2019-2030)

8.3.3 Germany Market Size and Forecast (2019-2030)

8.3.4 France Market Size and Forecast (2019-2030)

8.3.5 United Kingdom Market Size and Forecast (2019-2030)

8.3.6 Russia Market Size and Forecast (2019-2030)

8.3.7 Italy Market Size and Forecast (2019-2030)

9 ASIA-PACIFIC

9.1 Asia-Pacific Green Hydrocarbon Refrigerant Sales Quantity by Type (2019-2030)

9.2 Asia-Pacific Green Hydrocarbon Refrigerant Sales Quantity by Application
(2019-2030)

9.3 Asia-Pacific Green Hydrocarbon Refrigerant Market Size by Region

9.3.1 Asia-Pacific Green Hydrocarbon Refrigerant Sales Quantity by Region
(2019-2030)

9.3.2 Asia-Pacific Green Hydrocarbon Refrigerant Consumption Value by Region
(2019-2030)

9.3.3 China Market Size and Forecast (2019-2030)

9.3.4 Japan Market Size and Forecast (2019-2030)

9.3.5 South Korea Market Size and Forecast (2019-2030)

9.3.6 India Market Size and Forecast (2019-2030)

9.3.7 Southeast Asia Market Size and Forecast (2019-2030)

9.3.8 Australia Market Size and Forecast (2019-2030)

10 SOUTH AMERICA

10.1 South America Green Hydrocarbon Refrigerant Sales Quantity by Type
(2019-2030)

10.2 South America Green Hydrocarbon Refrigerant Sales Quantity by Application
(2019-2030)

10.3 South America Green Hydrocarbon Refrigerant Market Size by Country

10.3.1 South America Green Hydrocarbon Refrigerant Sales Quantity by Country
(2019-2030)

10.3.2 South America Green Hydrocarbon Refrigerant Consumption Value by Country
(2019-2030)

10.3.3 Brazil Market Size and Forecast (2019-2030)

10.3.4 Argentina Market Size and Forecast (2019-2030)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Green Hydrocarbon Refrigerant Sales Quantity by Type (2019-2030)

11.2 Middle East & Africa Green Hydrocarbon Refrigerant Sales Quantity by Application (2019-2030)

11.3 Middle East & Africa Green Hydrocarbon Refrigerant Market Size by Country

11.3.1 Middle East & Africa Green Hydrocarbon Refrigerant Sales Quantity by Country (2019-2030)

11.3.2 Middle East & Africa Green Hydrocarbon Refrigerant Consumption Value by Country (2019-2030)

11.3.3 Turkey Market Size and Forecast (2019-2030)

11.3.4 Egypt Market Size and Forecast (2019-2030)

11.3.5 Saudi Arabia Market Size and Forecast (2019-2030)

11.3.6 South Africa Market Size and Forecast (2019-2030)

12 MARKET DYNAMICS

12.1 Green Hydrocarbon Refrigerant Market Drivers

12.2 Green Hydrocarbon Refrigerant Market Restraints

12.3 Green Hydrocarbon Refrigerant 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 Green Hydrocarbon Refrigerant and Key Manufacturers

13.2 Manufacturing Costs Percentage of Green Hydrocarbon Refrigerant

13.3 Green Hydrocarbon Refrigerant 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 Green Hydrocarbon Refrigerant Typical Distributors

14.3 Green Hydrocarbon Refrigerant 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 Green Hydrocarbon Refrigerant Consumption Value by Type, (USD Million), 2019 & 2023 & 2030

Table 2. Global Green Hydrocarbon Refrigerant Consumption Value by Application, (USD Million), 2019 & 2023 & 2030

Table 3. Shandong Yuean Chemical Industry Basic Information, Manufacturing Base and Competitors

Table 4. Shandong Yuean Chemical Industry Major Business

Table 5. Shandong Yuean Chemical Industry Green Hydrocarbon Refrigerant Product and Services

Table 6. Shandong Yuean Chemical Industry Green Hydrocarbon Refrigerant Sales Quantity (L), Average Price (US\$/L), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 7. Shandong Yuean Chemical Industry Recent Developments/Updates

Table 8. Air Liquide (Airgas Refrigerants Inc.) Basic Information, Manufacturing Base and Competitors

Table 9. Air Liquide (Airgas Refrigerants Inc.) Major Business

Table 10. Air Liquide (Airgas Refrigerants Inc.) Green Hydrocarbon Refrigerant Product and Services

Table 11. Air Liquide (Airgas Refrigerants Inc.) Green Hydrocarbon Refrigerant Sales Quantity (L), Average Price (US\$/L), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 12. Air Liquide (Airgas Refrigerants Inc.) Recent Developments/Updates

Table 13. Linde Group Basic Information, Manufacturing Base and Competitors

Table 14. Linde Group Major Business

Table 15. Linde Group Green Hydrocarbon Refrigerant Product and Services

Table 16. Linde Group Green Hydrocarbon Refrigerant Sales Quantity (L), Average Price (US\$/L), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 17. Linde Group Recent Developments/Updates

Table 18. Sinochem Group Basic Information, Manufacturing Base and Competitors

Table 19. Sinochem Group Major Business

Table 20. Sinochem Group Green Hydrocarbon Refrigerant Product and Services

Table 21. Sinochem Group Green Hydrocarbon Refrigerant Sales Quantity (L), Average Price (US\$/L), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 22. Sinochem Group Recent Developments/Updates

Table 23. Iwatani Basic Information, Manufacturing Base and Competitors

- Table 24. Iwatani Major Business
- Table 25. Iwatani Green Hydrocarbon Refrigerant Product and Services
- Table 26. Iwatani Green Hydrocarbon Refrigerant Sales Quantity (L), Average Price (US\$/L), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 27. Iwatani Recent Developments/Updates
- Table 28. Evonik Basic Information, Manufacturing Base and Competitors
- Table 29. Evonik Major Business
- Table 30. Evonik Green Hydrocarbon Refrigerant Product and Services
- Table 31. Evonik Green Hydrocarbon Refrigerant Sales Quantity (L), Average Price (US\$/L), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 32. Evonik Recent Developments/Updates
- Table 33. Sigma-Aldrich Basic Information, Manufacturing Base and Competitors
- Table 34. Sigma-Aldrich Major Business
- Table 35. Sigma-Aldrich Green Hydrocarbon Refrigerant Product and Services
- Table 36. Sigma-Aldrich Green Hydrocarbon Refrigerant Sales Quantity (L), Average Price (US\$/L), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 37. Sigma-Aldrich Recent Developments/Updates
- Table 38. Tokyo Chemical Industry Basic Information, Manufacturing Base and Competitors
- Table 39. Tokyo Chemical Industry Major Business
- Table 40. Tokyo Chemical Industry Green Hydrocarbon Refrigerant Product and Services
- Table 41. Tokyo Chemical Industry Green Hydrocarbon Refrigerant Sales Quantity (L), Average Price (US\$/L), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 42. Tokyo Chemical Industry Recent Developments/Updates
- Table 43. A-Gas Basic Information, Manufacturing Base and Competitors
- Table 44. A-Gas Major Business
- Table 45. A-Gas Green Hydrocarbon Refrigerant Product and Services
- Table 46. A-Gas Green Hydrocarbon Refrigerant Sales Quantity (L), Average Price (US\$/L), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 47. A-Gas Recent Developments/Updates
- Table 48. Messer Basic Information, Manufacturing Base and Competitors
- Table 49. Messer Major Business
- Table 50. Messer Green Hydrocarbon Refrigerant Product and Services
- Table 51. Messer Green Hydrocarbon Refrigerant Sales Quantity (L), Average Price (US\$/L), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 52. Messer Recent Developments/Updates
- Table 53. Air Products Basic Information, Manufacturing Base and Competitors

Table 54. Air Products Major Business

Table 55. Air Products Green Hydrocarbon Refrigerant Product and Services

Table 56. Air Products Green Hydrocarbon Refrigerant Sales Quantity (L), Average Price (US\$/L), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 57. Air Products Recent Developments/Updates

Table 58. Heze Sirloong Chemical Basic Information, Manufacturing Base and Competitors

Table 59. Heze Sirloong Chemical Major Business

Table 60. Heze Sirloong Chemical Green Hydrocarbon Refrigerant Product and Services

Table 61. Heze Sirloong Chemical Green Hydrocarbon Refrigerant Sales Quantity (L), Average Price (US\$/L), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 62. Heze Sirloong Chemical Recent Developments/Updates

Table 63. Diversified CPC Basic Information, Manufacturing Base and Competitors

Table 64. Diversified CPC Major Business

Table 65. Diversified CPC Green Hydrocarbon Refrigerant Product and Services

Table 66. Diversified CPC Green Hydrocarbon Refrigerant Sales Quantity (L), Average Price (US\$/L), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 67. Diversified CPC Recent Developments/Updates

Table 68. Engas Basic Information, Manufacturing Base and Competitors

Table 69. Engas Major Business

Table 70. Engas Green Hydrocarbon Refrigerant Product and Services

Table 71. Engas Green Hydrocarbon Refrigerant Sales Quantity (L), Average Price (US\$/L), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 72. Engas Recent Developments/Updates

Table 73. Global Green Hydrocarbon Refrigerant Sales Quantity by Manufacturer (2019-2024) & (L)

Table 74. Global Green Hydrocarbon Refrigerant Revenue by Manufacturer (2019-2024) & (USD Million)

Table 75. Global Green Hydrocarbon Refrigerant Average Price by Manufacturer (2019-2024) & (US\$/L)

Table 76. Market Position of Manufacturers in Green Hydrocarbon Refrigerant, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2023

Table 77. Head Office and Green Hydrocarbon Refrigerant Production Site of Key Manufacturer

Table 78. Green Hydrocarbon Refrigerant Market: Company Product Type Footprint

Table 79. Green Hydrocarbon Refrigerant Market: Company Product Application Footprint

Table 80. Green Hydrocarbon Refrigerant New Market Entrants and Barriers to Market Entry

Table 81. Green Hydrocarbon Refrigerant Mergers, Acquisition, Agreements, and Collaborations

Table 82. Global Green Hydrocarbon Refrigerant Consumption Value by Region (2019-2023-2030) & (USD Million) & CAGR

Table 83. Global Green Hydrocarbon Refrigerant Sales Quantity by Region (2019-2024) & (L)

Table 84. Global Green Hydrocarbon Refrigerant Sales Quantity by Region (2025-2030) & (L)

Table 85. Global Green Hydrocarbon Refrigerant Consumption Value by Region (2019-2024) & (USD Million)

Table 86. Global Green Hydrocarbon Refrigerant Consumption Value by Region (2025-2030) & (USD Million)

Table 87. Global Green Hydrocarbon Refrigerant Average Price by Region (2019-2024) & (US\$/L)

Table 88. Global Green Hydrocarbon Refrigerant Average Price by Region (2025-2030) & (US\$/L)

Table 89. Global Green Hydrocarbon Refrigerant Sales Quantity by Type (2019-2024) & (L)

Table 90. Global Green Hydrocarbon Refrigerant Sales Quantity by Type (2025-2030) & (L)

Table 91. Global Green Hydrocarbon Refrigerant Consumption Value by Type (2019-2024) & (USD Million)

Table 92. Global Green Hydrocarbon Refrigerant Consumption Value by Type (2025-2030) & (USD Million)

Table 93. Global Green Hydrocarbon Refrigerant Average Price by Type (2019-2024) & (US\$/L)

Table 94. Global Green Hydrocarbon Refrigerant Average Price by Type (2025-2030) & (US\$/L)

Table 95. Global Green Hydrocarbon Refrigerant Sales Quantity by Application (2019-2024) & (L)

Table 96. Global Green Hydrocarbon Refrigerant Sales Quantity by Application (2025-2030) & (L)

Table 97. Global Green Hydrocarbon Refrigerant Consumption Value by Application (2019-2024) & (USD Million)

Table 98. Global Green Hydrocarbon Refrigerant Consumption Value by Application (2025-2030) & (USD Million)

Table 99. Global Green Hydrocarbon Refrigerant Average Price by Application

(2019-2024) & (US\$/L)

Table 100. Global Green Hydrocarbon Refrigerant Average Price by Application

(2025-2030) & (US\$/L)

Table 101. North America Green Hydrocarbon Refrigerant Sales Quantity by Type

(2019-2024) & (L)

Table 102. North America Green Hydrocarbon Refrigerant Sales Quantity by Type

(2025-2030) & (L)

Table 103. North America Green Hydrocarbon Refrigerant Sales Quantity by Application

(2019-2024) & (L)

Table 104. North America Green Hydrocarbon Refrigerant Sales Quantity by Application

(2025-2030) & (L)

Table 105. North America Green Hydrocarbon Refrigerant Sales Quantity by Country

(2019-2024) & (L)

Table 106. North America Green Hydrocarbon Refrigerant Sales Quantity by Country

(2025-2030) & (L)

Table 107. North America Green Hydrocarbon Refrigerant Consumption Value by Country (2019-2024) & (USD Million)

Table 108. North America Green Hydrocarbon Refrigerant Consumption Value by Country (2025-2030) & (USD Million)

Table 109. Europe Green Hydrocarbon Refrigerant Sales Quantity by Type (2019-2024) & (L)

Table 110. Europe Green Hydrocarbon Refrigerant Sales Quantity by Type (2025-2030) & (L)

Table 111. Europe Green Hydrocarbon Refrigerant Sales Quantity by Application (2019-2024) & (L)

Table 112. Europe Green Hydrocarbon Refrigerant Sales Quantity by Application (2025-2030) & (L)

Table 113. Europe Green Hydrocarbon Refrigerant Sales Quantity by Country (2019-2024) & (L)

Table 114. Europe Green Hydrocarbon Refrigerant Sales Quantity by Country (2025-2030) & (L)

Table 115. Europe Green Hydrocarbon Refrigerant Consumption Value by Country (2019-2024) & (USD Million)

Table 116. Europe Green Hydrocarbon Refrigerant Consumption Value by Country (2025-2030) & (USD Million)

Table 117. Asia-Pacific Green Hydrocarbon Refrigerant Sales Quantity by Type (2019-2024) & (L)

Table 118. Asia-Pacific Green Hydrocarbon Refrigerant Sales Quantity by Type (2025-2030) & (L)

Table 119. Asia-Pacific Green Hydrocarbon Refrigerant Sales Quantity by Application (2019-2024) & (L)

Table 120. Asia-Pacific Green Hydrocarbon Refrigerant Sales Quantity by Application (2025-2030) & (L)

Table 121. Asia-Pacific Green Hydrocarbon Refrigerant Sales Quantity by Region (2019-2024) & (L)

Table 122. Asia-Pacific Green Hydrocarbon Refrigerant Sales Quantity by Region (2025-2030) & (L)

Table 123. Asia-Pacific Green Hydrocarbon Refrigerant Consumption Value by Region (2019-2024) & (USD Million)

Table 124. Asia-Pacific Green Hydrocarbon Refrigerant Consumption Value by Region (2025-2030) & (USD Million)

Table 125. South America Green Hydrocarbon Refrigerant Sales Quantity by Type (2019-2024) & (L)

Table 126. South America Green Hydrocarbon Refrigerant Sales Quantity by Type (2025-2030) & (L)

Table 127. South America Green Hydrocarbon Refrigerant Sales Quantity by Application (2019-2024) & (L)

Table 128. South America Green Hydrocarbon Refrigerant Sales Quantity by Application (2025-2030) & (L)

Table 129. South America Green Hydrocarbon Refrigerant Sales Quantity by Country (2019-2024) & (L)

Table 130. South America Green Hydrocarbon Refrigerant Sales Quantity by Country (2025-2030) & (L)

Table 131. South America Green Hydrocarbon Refrigerant Consumption Value by Country (2019-2024) & (USD Million)

Table 132. South America Green Hydrocarbon Refrigerant Consumption Value by Country (2025-2030) & (USD Million)

Table 133. Middle East & Africa Green Hydrocarbon Refrigerant Sales Quantity by Type (2019-2024) & (L)

Table 134. Middle East & Africa Green Hydrocarbon Refrigerant Sales Quantity by Type (2025-2030) & (L)

Table 135. Middle East & Africa Green Hydrocarbon Refrigerant Sales Quantity by Application (2019-2024) & (L)

Table 136. Middle East & Africa Green Hydrocarbon Refrigerant Sales Quantity by Application (2025-2030) & (L)

Table 137. Middle East & Africa Green Hydrocarbon Refrigerant Sales Quantity by Country (2019-2024) & (L)

Table 138. Middle East & Africa Green Hydrocarbon Refrigerant Sales Quantity by

Country (2025-2030) & (L)

Table 139. Middle East & Africa Green Hydrocarbon Refrigerant Consumption Value by Country (2019-2024) & (USD Million)

Table 140. Middle East & Africa Green Hydrocarbon Refrigerant Consumption Value by Country (2025-2030) & (USD Million)

Table 141. Green Hydrocarbon Refrigerant Raw Material

Table 142. Key Manufacturers of Green Hydrocarbon Refrigerant Raw Materials

Table 143. Green Hydrocarbon Refrigerant Typical Distributors

Table 144. Green Hydrocarbon Refrigerant Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. Green Hydrocarbon Refrigerant Picture

Figure 2. Global Green Hydrocarbon Refrigerant Revenue by Type, (USD Million), 2019 & 2023 & 2030

Figure 3. Global Green Hydrocarbon Refrigerant Revenue Market Share by Type in 2023

Figure 4. Propane (R-290) Examples

Figure 5. Isobutane (R-600a) Examples

Figure 6. Propylene(R1270) Examples

Figure 7. Others Examples

Figure 8. Global Green Hydrocarbon Refrigerant Consumption Value by Application, (USD Million), 2019 & 2023 & 2030

Figure 9. Global Green Hydrocarbon Refrigerant Revenue Market Share by Application in 2023

Figure 10. Refrigerators Examples

Figure 11. Chillers Examples

Figure 12. Air Conditioners Examples

Figure 13. Others Examples

Figure 14. Global Green Hydrocarbon Refrigerant Consumption Value, (USD Million): 2019 & 2023 & 2030

Figure 15. Global Green Hydrocarbon Refrigerant Consumption Value and Forecast (2019-2030) & (USD Million)

Figure 16. Global Green Hydrocarbon Refrigerant Sales Quantity (2019-2030) & (L)

Figure 17. Global Green Hydrocarbon Refrigerant Price (2019-2030) & (US\$/L)

Figure 18. Global Green Hydrocarbon Refrigerant Sales Quantity Market Share by Manufacturer in 2023

Figure 19. Global Green Hydrocarbon Refrigerant Revenue Market Share by Manufacturer in 2023

Figure 20. Producer Shipments of Green Hydrocarbon Refrigerant by Manufacturer Sales (\$MM) and Market Share (%): 2023

Figure 21. Top 3 Green Hydrocarbon Refrigerant Manufacturer (Revenue) Market Share in 2023

Figure 22. Top 6 Green Hydrocarbon Refrigerant Manufacturer (Revenue) Market Share in 2023

Figure 23. Global Green Hydrocarbon Refrigerant Sales Quantity Market Share by Region (2019-2030)

Figure 24. Global Green Hydrocarbon Refrigerant Consumption Value Market Share by Region (2019-2030)

Figure 25. North America Green Hydrocarbon Refrigerant Consumption Value (2019-2030) & (USD Million)

Figure 26. Europe Green Hydrocarbon Refrigerant Consumption Value (2019-2030) & (USD Million)

Figure 27. Asia-Pacific Green Hydrocarbon Refrigerant Consumption Value (2019-2030) & (USD Million)

Figure 28. South America Green Hydrocarbon Refrigerant Consumption Value (2019-2030) & (USD Million)

Figure 29. Middle East & Africa Green Hydrocarbon Refrigerant Consumption Value (2019-2030) & (USD Million)

Figure 30. Global Green Hydrocarbon Refrigerant Sales Quantity Market Share by Type (2019-2030)

Figure 31. Global Green Hydrocarbon Refrigerant Consumption Value Market Share by Type (2019-2030)

Figure 32. Global Green Hydrocarbon Refrigerant Average Price by Type (2019-2030) & (US\$/L)

Figure 33. Global Green Hydrocarbon Refrigerant Sales Quantity Market Share by Application (2019-2030)

Figure 34. Global Green Hydrocarbon Refrigerant Revenue Market Share by Application (2019-2030)

Figure 35. Global Green Hydrocarbon Refrigerant Average Price by Application (2019-2030) & (US\$/L)

Figure 36. North America Green Hydrocarbon Refrigerant Sales Quantity Market Share by Type (2019-2030)

Figure 37. North America Green Hydrocarbon Refrigerant Sales Quantity Market Share by Application (2019-2030)

Figure 38. North America Green Hydrocarbon Refrigerant Sales Quantity Market Share by Country (2019-2030)

Figure 39. North America Green Hydrocarbon Refrigerant Consumption Value Market Share by Country (2019-2030)

Figure 40. United States Green Hydrocarbon Refrigerant Consumption Value (2019-2030) & (USD Million)

Figure 41. Canada Green Hydrocarbon Refrigerant Consumption Value (2019-2030) & (USD Million)

Figure 42. Mexico Green Hydrocarbon Refrigerant Consumption Value (2019-2030) & (USD Million)

Figure 43. Europe Green Hydrocarbon Refrigerant Sales Quantity Market Share by

Type (2019-2030)

Figure 44. Europe Green Hydrocarbon Refrigerant Sales Quantity Market Share by Application (2019-2030)

Figure 45. Europe Green Hydrocarbon Refrigerant Sales Quantity Market Share by Country (2019-2030)

Figure 46. Europe Green Hydrocarbon Refrigerant Consumption Value Market Share by Country (2019-2030)

Figure 47. Germany Green Hydrocarbon Refrigerant Consumption Value (2019-2030) & (USD Million)

Figure 48. France Green Hydrocarbon Refrigerant Consumption Value (2019-2030) & (USD Million)

Figure 49. United Kingdom Green Hydrocarbon Refrigerant Consumption Value (2019-2030) & (USD Million)

Figure 50. Russia Green Hydrocarbon Refrigerant Consumption Value (2019-2030) & (USD Million)

Figure 51. Italy Green Hydrocarbon Refrigerant Consumption Value (2019-2030) & (USD Million)

Figure 52. Asia-Pacific Green Hydrocarbon Refrigerant Sales Quantity Market Share by Type (2019-2030)

Figure 53. Asia-Pacific Green Hydrocarbon Refrigerant Sales Quantity Market Share by Application (2019-2030)

Figure 54. Asia-Pacific Green Hydrocarbon Refrigerant Sales Quantity Market Share by Region (2019-2030)

Figure 55. Asia-Pacific Green Hydrocarbon Refrigerant Consumption Value Market Share by Region (2019-2030)

Figure 56. China Green Hydrocarbon Refrigerant Consumption Value (2019-2030) & (USD Million)

Figure 57. Japan Green Hydrocarbon Refrigerant Consumption Value (2019-2030) & (USD Million)

Figure 58. South Korea Green Hydrocarbon Refrigerant Consumption Value (2019-2030) & (USD Million)

Figure 59. India Green Hydrocarbon Refrigerant Consumption Value (2019-2030) & (USD Million)

Figure 60. Southeast Asia Green Hydrocarbon Refrigerant Consumption Value (2019-2030) & (USD Million)

Figure 61. Australia Green Hydrocarbon Refrigerant Consumption Value (2019-2030) & (USD Million)

Figure 62. South America Green Hydrocarbon Refrigerant Sales Quantity Market Share by Type (2019-2030)

Figure 63. South America Green Hydrocarbon Refrigerant Sales Quantity Market Share by Application (2019-2030)

Figure 64. South America Green Hydrocarbon Refrigerant Sales Quantity Market Share by Country (2019-2030)

Figure 65. South America Green Hydrocarbon Refrigerant Consumption Value Market Share by Country (2019-2030)

Figure 66. Brazil Green Hydrocarbon Refrigerant Consumption Value (2019-2030) & (USD Million)

Figure 67. Argentina Green Hydrocarbon Refrigerant Consumption Value (2019-2030) & (USD Million)

Figure 68. Middle East & Africa Green Hydrocarbon Refrigerant Sales Quantity Market Share by Type (2019-2030)

Figure 69. Middle East & Africa Green Hydrocarbon Refrigerant Sales Quantity Market Share by Application (2019-2030)

Figure 70. Middle East & Africa Green Hydrocarbon Refrigerant Sales Quantity Market Share by Country (2019-2030)

Figure 71. Middle East & Africa Green Hydrocarbon Refrigerant Consumption Value Market Share by Country (2019-2030)

Figure 72. Turkey Green Hydrocarbon Refrigerant Consumption Value (2019-2030) & (USD Million)

Figure 73. Egypt Green Hydrocarbon Refrigerant Consumption Value (2019-2030) & (USD Million)

Figure 74. Saudi Arabia Green Hydrocarbon Refrigerant Consumption Value (2019-2030) & (USD Million)

Figure 75. South Africa Green Hydrocarbon Refrigerant Consumption Value (2019-2030) & (USD Million)

Figure 76. Green Hydrocarbon Refrigerant Market Drivers

Figure 77. Green Hydrocarbon Refrigerant Market Restraints

Figure 78. Green Hydrocarbon Refrigerant Market Trends

Figure 79. Porters Five Forces Analysis

Figure 80. Manufacturing Cost Structure Analysis of Green Hydrocarbon Refrigerant in 2023

Figure 81. Manufacturing Process Analysis of Green Hydrocarbon Refrigerant

Figure 82. Green Hydrocarbon Refrigerant Industrial Chain

Figure 83. Sales Channel: Direct to End-User vs Distributors

Figure 84. Direct Channel Pros & Cons

Figure 85. Indirect Channel Pros & Cons

Figure 86. Methodology

Figure 87. Research Process and Data Source

I would like to order

Product name: Global Green Hydrocarbon Refrigerant Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

Product link: <https://marketpublishers.com/r/GFADBE9D6FECEN.html>

Price: US\$ 3,480.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GFADBE9D6FECEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

