

Global R-513a Market Growth 2026-2032

<https://marketpublishers.com/r/G54606BC8744EN.html>

Date: July 2026

Pages: 81

Price: US\$ 3,660.00 (Single User License)

ID: G54606BC8744EN

Abstracts

The global R-513a market size is predicted to grow from US\$ 720 million in 2025 to US\$ 1125 million in 2032; it is expected to grow at a CAGR of 7.3% from 2026 to 2032.

R-513A is a non-flammable, low Global Warming Potential (GWP) refrigerant designed as a direct replacement for R-134a in medium/high-temperature applications. It is an azeotropic blend (56% HFO-1234yf and 44% HFC-134a) with a GWP of 573-631, representing a ~56% reduction compared to R-134a. In 2025, global R-513A production reached approximately 32 K MT.

R-513A's main market driver is the global shift away from high-GWP R-134a toward lower-GWP refrigerants that can fit existing equipment designs with minimal disruption. R-513A was developed specifically as an R-134a replacement, and supplier technical literature highlights a roughly 56% GWP reduction versus R-134a, A1 nonflammability, zero glide, and a close capacity/efficiency match. Those features make it attractive in chillers, medium-temperature commercial and industrial systems, and retrofit projects where end users want to reduce regulatory exposure without moving to a flammable refrigerant or redesigning the whole system. EPA SNAP listings and later expanded approvals also support adoption by making R-513A an accepted compliance pathway in certain end uses.

A second key driver is practical retrofit economics and operational continuity. Compared with more disruptive refrigerant transitions, R-513A is marketed as compatible with many existing R-134a equipment designs and lubricants, which lowers conversion complexity and downtime for building owners and industrial operators. That matters especially in centrifugal and positive-displacement chillers, where customers often prioritize safety classification, service familiarity, and stable performance as much as climate impact. In other words, R-513A demand is being supported not only by environmental regulation, but also by the market's need for a nonflammable, lower-

GWP ?bridge? refrigerant that helps extend the useful life of installed R-134a systems while meeting tightening refrigerant transition requirements.

LP Information, Inc. (LPI) ' newest research report, the ?R-513a Industry Forecast? looks at past sales and reviews total world R-513a sales in 2025, providing a comprehensive analysis by region and market sector of projected R-513a sales for 2026 through 2032. With R-513a sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world R-513a industry.

This Insight Report provides a comprehensive analysis of the global R-513a landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on R-513a portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms? unique position in an accelerating global R-513a market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for R-513a and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global R-513a.

This report presents a comprehensive overview, market shares, and growth opportunities of R-513a market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Content ?99.5%

Content ?995%

Segmentation by Package:

Small Cans

Steel Cylinders

Segmentation by Channel:

Direct Selling

Distribution

Segmentation by Application:

Residential Refrigeration

Commercial Refrigeration

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

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

Chemours

Honeywell International

Arkema

Key Questions Addressed in this Report

What is the 10-year outlook for the global R-513a market?

What factors are driving R-513a market growth, globally and by region?

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

How do R-513a market opportunities vary by end market size?

How does R-513a break out by Type, by Application?

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
 - 2.1.1 Global R-513a Annual Sales 2021-2032
 - 2.1.2 World Current & Future Analysis for R-513a by Geographic Region, 2021, 2025 & 2032
 - 2.1.3 World Current & Future Analysis for R-513a by Country/Region, 2021, 2025 & 2032
- 2.2 R-513a Segment by Type
 - 2.2.1 Content ?99.5%
 - 2.2.2 Content ?995%
 - 2.2.3 R-513a Sales by Type
 - 2.2.3.1 Global R-513a Sales Market Share by Type (2021-2026)
 - 2.2.3.2 Global R-513a Revenue and Market Share by Type (2021-2026)
 - 2.2.3.3 Global R-513a Sale Price by Type (2021-2026)
- 2.3 R-513a Segment by Package
 - 2.3.1 Small Cans
 - 2.3.2 Steel Cylinders
 - 2.3.3 R-513a Sales by Package
 - 2.3.3.1 Global R-513a Sales Market Share by Package (2021-2026)
 - 2.3.3.2 Global R-513a Revenue and Market Share by Package (2021-2026)
 - 2.3.3.3 Global R-513a Sale Price by Package (2021-2026)
- 2.4 R-513a Segment by Channel
 - 2.4.1 Direct Selling
 - 2.4.2 Distribution
 - 2.4.3 R-513a Sales by Channel

- 2.4.3.1 Global R-513a Sales Market Share by Channel (2021-2026)
- 2.4.3.2 Global R-513a Revenue and Market Share by Channel (2021-2026)
- 2.4.3.3 Global R-513a Sale Price by Channel (2021-2026)

2.5 R-513a Segment by Application

- 2.5.1 Residential Refrigeration
- 2.5.2 Commercial Refrigeration
- 2.5.3 R-513a Sales by Application
 - 2.5.3.1 Global R-513a Sale Market Share by Application (2021-2026)
 - 2.5.3.2 Global R-513a Revenue and Market Share by Application (2021-2026)
 - 2.5.3.3 Global R-513a Sale Price by Application (2021-2026)

3 GLOBAL BY COMPANY

3.1 Global R-513a Breakdown Data by Company

- 3.1.1 Global R-513a Annual Sales by Company (2021-2026)
- 3.1.2 Global R-513a Sales Market Share by Company (2021-2026)

3.2 Global R-513a Annual Revenue by Company (2021-2026)

- 3.2.1 Global R-513a Revenue by Company (2021-2026)
- 3.2.2 Global R-513a Revenue Market Share by Company (2021-2026)

3.3 Global R-513a Sale Price by Company

3.4 Key Manufacturers R-513a Producing Area Distribution, Sales Area, Product Type

- 3.4.1 Key Manufacturers R-513a Product Location Distribution
- 3.4.2 Players R-513a Products Offered

3.5 Market Concentration Rate Analysis

- 3.5.1 Competition Landscape Analysis
- 3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

3.6 New Products and Potential Entrants

3.7 Market M&A Activity & Strategy

4 WORLD HISTORIC REVIEW FOR R-513A BY GEOGRAPHIC REGION

4.1 World Historic R-513a Market Size by Geographic Region (2021-2026)

- 4.1.1 Global R-513a Annual Sales by Geographic Region (2021-2026)
- 4.1.2 Global R-513a Annual Revenue by Geographic Region (2021-2026)

4.2 World Historic R-513a Market Size by Country/Region (2021-2026)

- 4.2.1 Global R-513a Annual Sales by Country/Region (2021-2026)
- 4.2.2 Global R-513a Annual Revenue by Country/Region (2021-2026)

4.3 Americas R-513a Sales Growth

4.4 APAC R-513a Sales Growth

4.5 Europe R-513a Sales Growth

4.6 Middle East & Africa R-513a Sales Growth

5 AMERICAS

5.1 Americas R-513a Sales by Country

5.1.1 Americas R-513a Sales by Country (2021-2026)

5.1.2 Americas R-513a Revenue by Country (2021-2026)

5.2 Americas R-513a Sales by Type (2021-2026)

5.3 Americas R-513a Sales by Application (2021-2026)

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

6.1 APAC R-513a Sales by Region

6.1.1 APAC R-513a Sales by Region (2021-2026)

6.1.2 APAC R-513a Revenue by Region (2021-2026)

6.2 APAC R-513a Sales by Type (2021-2026)

6.3 APAC R-513a Sales by Application (2021-2026)

6.4 China

6.5 Japan

6.6 South Korea

6.7 Southeast Asia

6.8 India

6.9 Australia

6.10 China Taiwan

7 EUROPE

7.1 Europe R-513a by Country

7.1.1 Europe R-513a Sales by Country (2021-2026)

7.1.2 Europe R-513a Revenue by Country (2021-2026)

7.2 Europe R-513a Sales by Type (2021-2026)

7.3 Europe R-513a Sales by Application (2021-2026)

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa R-513a by Country

8.1.1 Middle East & Africa R-513a Sales by Country (2021-2026)

8.1.2 Middle East & Africa R-513a Revenue by Country (2021-2026)

8.2 Middle East & Africa R-513a Sales by Type (2021-2026)

8.3 Middle East & Africa R-513a Sales by Application (2021-2026)

8.4 Egypt

8.5 South Africa

8.6 Israel

8.7 Turkey

8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

9.1 Market Drivers & Growth Opportunities

9.2 Market Challenges & Risks

9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

10.1 Raw Material and Suppliers

10.2 Manufacturing Cost Structure Analysis of R-513a

10.3 Manufacturing Process Analysis of R-513a

10.4 Industry Chain Structure of R-513a

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 R-513a Distributors

11.3 R-513a Customer

12 WORLD FORECAST REVIEW FOR R-513A BY GEOGRAPHIC REGION

- 12.1 Global R-513a Market Size Forecast by Region
 - 12.1.1 Global R-513a Forecast by Region (2027-2032)
 - 12.1.2 Global R-513a Annual Revenue Forecast by Region (2027-2032)
- 12.2 Americas Forecast by Country (2027-2032)
- 12.3 APAC Forecast by Region (2027-2032)
- 12.4 Europe Forecast by Country (2027-2032)
- 12.5 Middle East & Africa Forecast by Country (2027-2032)
- 12.6 Global R-513a Forecast by Type (2027-2032)
- 12.7 Global R-513a Forecast by Application (2027-2032)

13 KEY PLAYERS ANALYSIS

- 13.1 Chemours
 - 13.1.1 Chemours Company Information
 - 13.1.2 Chemours R-513a Product Portfolios and Specifications
 - 13.1.3 Chemours R-513a Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.1.4 Chemours Main Business Overview
 - 13.1.5 Chemours Latest Developments
- 13.2 Honeywell International
 - 13.2.1 Honeywell International Company Information
 - 13.2.2 Honeywell International R-513a Product Portfolios and Specifications
 - 13.2.3 Honeywell International R-513a Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.2.4 Honeywell International Main Business Overview
 - 13.2.5 Honeywell International Latest Developments
- 13.3 Arkema
 - 13.3.1 Arkema Company Information
 - 13.3.2 Arkema R-513a Product Portfolios and Specifications
 - 13.3.3 Arkema R-513a Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.3.4 Arkema Main Business Overview
 - 13.3.5 Arkema Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. R-513a Annual Sales CAGR by Geographic Region (2021, 2025 & 2032) & (\$ millions)

Table 2. R-513a Annual Sales CAGR by Country/Region (2021, 2025 & 2032) & (\$ millions)

Table 3. Major Players of Content ?99.5%

Table 4. Major Players of Content ?99.5%

Table 5. Global R-513a Sales by Type (2021-2026) & (Kilotons)

Table 6. Global R-513a Sales Market Share by Type (2021-2026)

Table 7. Global R-513a Revenue by Type (2021-2026) & (\$ million)

Table 8. Global R-513a Revenue Market Share by Type (2021-2026)

Table 9. Global R-513a Sale Price by Type (2021-2026) & (US\$/Ton)

Table 10. Major Players of Small Cans

Table 11. Major Players of Steel Cylinders

Table 12. Global R-513a Sales by Package (2021-2026) & (Kilotons)

Table 13. Global R-513a Sales Market Share by Package (2021-2026)

Table 14. Global R-513a Revenue by Package (2021-2026) & (\$ million)

Table 15. Global R-513a Revenue Market Share by Package (2021-2026)

Table 16. Global R-513a Sale Price by Package (2021-2026) & (US\$/Ton)

Table 17. Major Players of Direct Selling

Table 18. Major Players of Distribution

Table 19. Global R-513a Sales by Channel (2021-2026) & (Kilotons)

Table 20. Global R-513a Sales Market Share by Channel (2021-2026)

Table 21. Global R-513a Revenue by Channel (2021-2026) & (\$ million)

Table 22. Global R-513a Revenue Market Share by Channel (2021-2026)

Table 23. Global R-513a Sale Price by Channel (2021-2026) & (US\$/Ton)

Table 24. Global R-513a Sale by Application (2021-2026) & (Kilotons)

Table 25. Global R-513a Sale Market Share by Application (2021-2026)

Table 26. Global R-513a Revenue by Application (2021-2026) & (\$ million)

Table 27. Global R-513a Revenue Market Share by Application (2021-2026)

Table 28. Global R-513a Sale Price by Application (2021-2026) & (US\$/Ton)

Table 29. Global R-513a Sales by Company (2021-2026) & (Kilotons)

Table 30. Global R-513a Sales Market Share by Company (2021-2026)

Table 31. Global R-513a Revenue by Company (2021-2026) & (\$ millions)

Table 32. Global R-513a Revenue Market Share by Company (2021-2026)

Table 33. Global R-513a Sale Price by Company (2021-2026) & (US\$/Ton)

Table 34. Key Manufacturers R-513a Producing Area Distribution and Sales Area
Table 35. Players R-513a Products Offered
Table 36. R-513a Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)
Table 37. New Products and Potential Entrants
Table 38. Market M&A Activity & Strategy
Table 39. Global R-513a Sales by Geographic Region (2021-2026) & (Kilotons)
Table 40. Global R-513a Sales Market Share Geographic Region (2021-2026)
Table 41. Global R-513a Revenue by Geographic Region (2021-2026) & (\$ millions)
Table 42. Global R-513a Revenue Market Share by Geographic Region (2021-2026)
Table 43. Global R-513a Sales by Country/Region (2021-2026) & (Kilotons)
Table 44. Global R-513a Sales Market Share by Country/Region (2021-2026)
Table 45. Global R-513a Revenue by Country/Region (2021-2026) & (\$ millions)
Table 46. Global R-513a Revenue Market Share by Country/Region (2021-2026)
Table 47. Americas R-513a Sales by Country (2021-2026) & (Kilotons)
Table 48. Americas R-513a Sales Market Share by Country (2021-2026)
Table 49. Americas R-513a Revenue by Country (2021-2026) & (\$ millions)
Table 50. Americas R-513a Sales by Type (2021-2026) & (Kilotons)
Table 51. Americas R-513a Sales by Application (2021-2026) & (Kilotons)
Table 52. APAC R-513a Sales by Region (2021-2026) & (Kilotons)
Table 53. APAC R-513a Sales Market Share by Region (2021-2026)
Table 54. APAC R-513a Revenue by Region (2021-2026) & (\$ millions)
Table 55. APAC R-513a Sales by Type (2021-2026) & (Kilotons)
Table 56. APAC R-513a Sales by Application (2021-2026) & (Kilotons)
Table 57. Europe R-513a Sales by Country (2021-2026) & (Kilotons)
Table 58. Europe R-513a Revenue by Country (2021-2026) & (\$ millions)
Table 59. Europe R-513a Sales by Type (2021-2026) & (Kilotons)
Table 60. Europe R-513a Sales by Application (2021-2026) & (Kilotons)
Table 61. Middle East & Africa R-513a Sales by Country (2021-2026) & (Kilotons)
Table 62. Middle East & Africa R-513a Revenue Market Share by Country (2021-2026)
Table 63. Middle East & Africa R-513a Sales by Type (2021-2026) & (Kilotons)
Table 64. Middle East & Africa R-513a Sales by Application (2021-2026) & (Kilotons)
Table 65. Key Market Drivers & Growth Opportunities of R-513a
Table 66. Key Market Challenges & Risks of R-513a
Table 67. Key Industry Trends of R-513a
Table 68. R-513a Raw Material
Table 69. Key Suppliers of Raw Materials
Table 70. R-513a Distributors List
Table 71. R-513a Customer List
Table 72. Global R-513a Sales Forecast by Region (2027-2032) & (Kilotons)

Table 73. Global R-513a Revenue Forecast by Region (2027-2032) & (\$ millions)
Table 74. Americas R-513a Sales Forecast by Country (2027-2032) & (Kilotons)
Table 75. Americas R-513a Annual Revenue Forecast by Country (2027-2032) & (\$ millions)
Table 76. APAC R-513a Sales Forecast by Region (2027-2032) & (Kilotons)
Table 77. APAC R-513a Annual Revenue Forecast by Region (2027-2032) & (\$ millions)
Table 78. Europe R-513a Sales Forecast by Country (2027-2032) & (Kilotons)
Table 79. Europe R-513a Revenue Forecast by Country (2027-2032) & (\$ millions)
Table 80. Middle East & Africa R-513a Sales Forecast by Country (2027-2032) & (Kilotons)
Table 81. Middle East & Africa R-513a Revenue Forecast by Country (2027-2032) & (\$ millions)
Table 82. Global R-513a Sales Forecast by Type (2027-2032) & (Kilotons)
Table 83. Global R-513a Revenue Forecast by Type (2027-2032) & (\$ millions)
Table 84. Global R-513a Sales Forecast by Application (2027-2032) & (Kilotons)
Table 85. Global R-513a Revenue Forecast by Application (2027-2032) & (\$ millions)
Table 86. Chemours Basic Information, R-513a Manufacturing Base, Sales Area and Its Competitors
Table 87. Chemours R-513a Product Portfolios and Specifications
Table 88. Chemours R-513a Sales (Kilotons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)
Table 89. Chemours Main Business
Table 90. Chemours Latest Developments
Table 91. Honeywell International Basic Information, R-513a Manufacturing Base, Sales Area and Its Competitors
Table 92. Honeywell International R-513a Product Portfolios and Specifications
Table 93. Honeywell International R-513a Sales (Kilotons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)
Table 94. Honeywell International Main Business
Table 95. Honeywell International Latest Developments
Table 96. Arkema Basic Information, R-513a Manufacturing Base, Sales Area and Its Competitors
Table 97. Arkema R-513a Product Portfolios and Specifications
Table 98. Arkema R-513a Sales (Kilotons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)
Table 99. Arkema Main Business
Table 100. Arkema Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of R-513a
- Figure 2. R-513a Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global R-513a Sales Growth Rate 2021-2032 (Kilotons)
- Figure 7. Global R-513a Revenue Growth Rate 2021-2032 (\$ millions)
- Figure 8. R-513a Sales by Geographic Region (2021, 2025 & 2032) & (\$ millions)
- Figure 9. R-513a Sales Market Share by Country/Region (2025)
- Figure 10. R-513a Sales Market Share by Country/Region (2021, 2025 & 2032)
- Figure 11. Product Picture of Content ?99.5%
- Figure 12. Product Picture of Content ?995%
- Figure 13. Global R-513a Sales Market Share by Type in 2026
- Figure 14. Global R-513a Revenue Market Share by Type (2021-2026)
- Figure 15. Product Picture of Small Cans
- Figure 16. Product Picture of Steel Cylinders
- Figure 17. Global R-513a Sales Market Share by Package in 2026
- Figure 18. Global R-513a Revenue Market Share by Package (2021-2026)
- Figure 19. Product Picture of Direct Selling
- Figure 20. Product Picture of Distribution
- Figure 21. Global R-513a Sales Market Share by Channel in 2026
- Figure 22. Global R-513a Revenue Market Share by Channel (2021-2026)
- Figure 23. R-513a Consumed in Residential Refrigeration
- Figure 24. Global R-513a Market: Residential Refrigeration (2021-2026) & (Kilotons)
- Figure 25. R-513a Consumed in Commercial Refrigeration
- Figure 26. Global R-513a Market: Commercial Refrigeration (2021-2026) & (Kilotons)
- Figure 27. Global R-513a Sale Market Share by Application (2025)
- Figure 28. Global R-513a Revenue Market Share by Application in 2025
- Figure 29. R-513a Sales by Company in 2025 (Kilotons)
- Figure 30. Global R-513a Sales Market Share by Company in 2025
- Figure 31. R-513a Revenue by Company in 2025 (\$ millions)
- Figure 32. Global R-513a Revenue Market Share by Company in 2025
- Figure 33. Global R-513a Sales Market Share by Geographic Region (2021-2026)
- Figure 34. Global R-513a Revenue Market Share by Geographic Region in 2025
- Figure 35. Americas R-513a Sales 2021-2026 (Kilotons)

- Figure 36. Americas R-513a Revenue 2021-2026 (\$ millions)
- Figure 37. APAC R-513a Sales 2021-2026 (Kilotons)
- Figure 38. APAC R-513a Revenue 2021-2026 (\$ millions)
- Figure 39. Europe R-513a Sales 2021-2026 (Kilotons)
- Figure 40. Europe R-513a Revenue 2021-2026 (\$ millions)
- Figure 41. Middle East & Africa R-513a Sales 2021-2026 (Kilotons)
- Figure 42. Middle East & Africa R-513a Revenue 2021-2026 (\$ millions)
- Figure 43. Americas R-513a Sales Market Share by Country in 2025
- Figure 44. Americas R-513a Revenue Market Share by Country (2021-2026)
- Figure 45. Americas R-513a Sales Market Share by Type (2021-2026)
- Figure 46. Americas R-513a Sales Market Share by Application (2021-2026)
- Figure 47. United States R-513a Revenue Growth 2021-2026 (\$ millions)
- Figure 48. Canada R-513a Revenue Growth 2021-2026 (\$ millions)
- Figure 49. Mexico R-513a Revenue Growth 2021-2026 (\$ millions)
- Figure 50. Brazil R-513a Revenue Growth 2021-2026 (\$ millions)
- Figure 51. APAC R-513a Sales Market Share by Region in 2025
- Figure 52. APAC R-513a Revenue Market Share by Region (2021-2026)
- Figure 53. APAC R-513a Sales Market Share by Type (2021-2026)
- Figure 54. APAC R-513a Sales Market Share by Application (2021-2026)
- Figure 55. China R-513a Revenue Growth 2021-2026 (\$ millions)
- Figure 56. Japan R-513a Revenue Growth 2021-2026 (\$ millions)
- Figure 57. South Korea R-513a Revenue Growth 2021-2026 (\$ millions)
- Figure 58. Southeast Asia R-513a Revenue Growth 2021-2026 (\$ millions)
- Figure 59. India R-513a Revenue Growth 2021-2026 (\$ millions)
- Figure 60. Australia R-513a Revenue Growth 2021-2026 (\$ millions)
- Figure 61. China Taiwan R-513a Revenue Growth 2021-2026 (\$ millions)
- Figure 62. Europe R-513a Sales Market Share by Country in 2025
- Figure 63. Europe R-513a Revenue Market Share by Country (2021-2026)
- Figure 64. Europe R-513a Sales Market Share by Type (2021-2026)
- Figure 65. Europe R-513a Sales Market Share by Application (2021-2026)
- Figure 66. Germany R-513a Revenue Growth 2021-2026 (\$ millions)
- Figure 67. France R-513a Revenue Growth 2021-2026 (\$ millions)
- Figure 68. UK R-513a Revenue Growth 2021-2026 (\$ millions)
- Figure 69. Italy R-513a Revenue Growth 2021-2026 (\$ millions)
- Figure 70. Russia R-513a Revenue Growth 2021-2026 (\$ millions)
- Figure 71. Middle East & Africa R-513a Sales Market Share by Country (2021-2026)
- Figure 72. Middle East & Africa R-513a Sales Market Share by Type (2021-2026)
- Figure 73. Middle East & Africa R-513a Sales Market Share by Application (2021-2026)
- Figure 74. Egypt R-513a Revenue Growth 2021-2026 (\$ millions)

- Figure 75. South Africa R-513a Revenue Growth 2021-2026 (\$ millions)
- Figure 76. Israel R-513a Revenue Growth 2021-2026 (\$ millions)
- Figure 77. Turkey R-513a Revenue Growth 2021-2026 (\$ millions)
- Figure 78. GCC Countries R-513a Revenue Growth 2021-2026 (\$ millions)
- Figure 79. Manufacturing Cost Structure Analysis of R-513a in 2026
- Figure 80. Manufacturing Process Analysis of R-513a
- Figure 81. Industry Chain Structure of R-513a
- Figure 82. Channels of Distribution
- Figure 83. Global R-513a Sales Market Forecast by Region (2027-2032)
- Figure 84. Global R-513a Revenue Market Share Forecast by Region (2027-2032)
- Figure 85. Global R-513a Sales Market Share Forecast by Type (2027-2032)
- Figure 86. Global R-513a Revenue Market Share Forecast by Type (2027-2032)
- Figure 87. Global R-513a Sales Market Share Forecast by Application (2027-2032)
- Figure 88. Global R-513a Revenue Market Share Forecast by Application (2027-2032)

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