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Global R1234 Refrigerant Market Growth 2025-2031

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Abstracts

The global R1234 Refrigerant market size is predicted to grow from US$ 1791 million in 2025 to US$ 3764 million in 2031; it is expected to grow at a CAGR of 13.2% from 2025 to 2031.

R1234 Refrigerant refers to a group of hydrofluoroolefin (HFO) refrigerants, including R1234yf and R1234ze. These refrigerants are environmentally friendly with a low Global Warming Potential (GWP) and no ozone - depleting properties. They have stable chemical characteristics and good refrigeration performance, featuring appropriate evaporation and condensation pressures. Thus, they can be effectively used in various refrigeration systems, serving as ideal substitutes for traditional high - GWP refrigerants to cut down greenhouse gas emissions in the refrigeration industry.

United States market for R1234 Refrigerant is estimated to increase from US$ million in 2024 to US$ million by 2031, at a CAGR of % from 2025 through 2031.

China market for R1234 Refrigerant is estimated to increase from US$ million in 2024 to US$ million by 2031, at a CAGR of % from 2025 through 2031.

Europe market for R1234 Refrigerant is estimated to increase from US$ million in 2024 to US$ million by 2031, at a CAGR of % from 2025 through 2031.

Global key R1234 Refrigerant players cover Honeywell, Chemours, Artsen Chemical, Quanzhou Yuji, Shandong Hua'an, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2024.

LP Information, Inc. (LPI) ' newest research report, the “R1234 Refrigerant Industry Forecast” looks at past sales and reviews total world R1234 Refrigerant sales in 2024, providing a comprehensive analysis by region and market sector of projected R1234

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Refrigerant sales for 2025 through 2031. With R1234 Refrigerant sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US$ millions of the world R1234 Refrigerant industry.

This Insight Report provides a comprehensive analysis of the global R1234 Refrigerant 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 R1234 Refrigerant portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global R1234 Refrigerant market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for R1234 Refrigerant 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 R1234 Refrigerant.

This report presents a comprehensive overview, market shares, and growth opportunities of R1234 Refrigerant market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

R1234yf

R1234ze

Segmentation by Application:

Automotive Refrigeration

Commercial and Industrial Refrigeration

Household Refrigeration

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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

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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.

Honeywell

Chemours

Artsen Chemical

Quanzhou Yuji

Shandong Hua'an

Zhejiang Huanxin Fluoro

Key Questions Addressed in this Report

What is the 10-year outlook for the global R1234 Refrigerant market?
What factors are driving R1234 Refrigerant market growth, globally and by region?
Which technologies are poised for the fastest growth by market and region?
How do R1234 Refrigerant market opportunities vary by end market size?
How does R1234 Refrigerant break out by Type, by Application?

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