

Global R134A Refrigerant Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global R134A Refrigerant market size was valued at USD 142.1 million in 2023 and is forecast to a readjusted size of USD 83 million by 2030 with a CAGR of -7.5% during review period.

R134a is also known as tetrafluoroethane (CF₃CH₂F) from the family of HFC refrigerant. It exists in gas form when expose to the environment as the boiling temperature is -14.9°F or -26.1°C. R134a refrigerant is now being used as a replacement for R-12 CFC refrigerant in the area of centrifugal, rotary screw, scroll and reciprocating compressors. It is not 100% compatible with the lubricants and mineral-based refrigerant currently used in R-12. Design changes to the condenser and evaporator need to be done to use this refrigerant. R134a refrigerant is safe for normal handling as it is non-toxic, non-flammable and non-corrosive.

Global R134A Refrigerant key players include Juhua Group, Sanmei, Mexichem Fluor, Sinochem Taicang Chemical, Chemours, etc. Global top five manufacturers hold a share about 50%. Asia-Pacific is the largest market, with a share about 55%, followed by North America, with a share about 25 percent. In terms of product, Trichlorethylene Process is the largest segment, with a share about 90%. And in terms of application, the largest application is Automotive Air-Conditioning, followed by Commercial Refrigeration Equipment , Domestic Refrigeration Equipment, etc.

The Global Info Research report includes an overview of the development of the R134A Refrigerant industry chain, the market status of Automotive Air-Conditioning (Tetrachlorethylene Process, Trichlorethylene Process), Commercial Refrigeration Equipment (Tetrachlorethylene Process, Trichlorethylene Process), and key enterprises

in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of R134A Refrigerant.

Regionally, the report analyzes the R134A Refrigerant markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global R134A Refrigerant market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the R134A Refrigerant market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the R134A Refrigerant industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (K MT), revenue generated, and market share of different by Type (e.g., Tetrachlorethylene Process, Trichlorethylene Process).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the R134A Refrigerant market.

Regional Analysis: The report involves examining the R134A Refrigerant market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the R134A Refrigerant market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to R134A Refrigerant:

Company Analysis: Report covers individual R134A Refrigerant manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards R134A Refrigerant. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Automotive Air-Conditioning, Commercial Refrigeration Equipment).

Technology Analysis: Report covers specific technologies relevant to R134A Refrigerant. It assesses the current state, advancements, and potential future developments in R134A Refrigerant areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the R134A Refrigerant market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

R134A 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.

Market segment by Type

Tetrachlorethylene Process

Trichlorethylene Process

Market segment by Application

Automotive Air-Conditioning

Commercial Refrigeration Equipment

Domestic Refrigeration Equipment

Others

Major players covered

Mexichem Fluor

Chemours

Honeywell

Linde Gas

Arkema

Juhua Group

Sinochem Taicang Chemical

Bailian

Dongyue Federation

Sanmei

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 R134A Refrigerant product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of R134A Refrigerant, with price, sales, revenue and global market share of R134A Refrigerant from 2019 to 2024.

Chapter 3, the R134A Refrigerant competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the R134A 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 application, with sales market share and growth rate by type, 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 2017 to 2023. and R134A Refrigerant market forecast, by regions, type and 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 R134A Refrigerant.

Chapter 14 and 15, to describe R134A Refrigerant sales channel, distributors, customers, research findings and conclusion.

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