

Global R-513a Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global R-513a market size was valued at US\$ 757 million in 2025 and is forecast to a readjusted size of US\$ 1155 million by 2032 with a CAGR of 6.8% during review period.

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.

This report is a detailed and comprehensive analysis for global R-513a 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 2025, are provided.

Key Features:

Global R-513a market size and forecasts, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Ton), 2021-2032

Global R-513a market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Ton), 2021-2032

Global R-513a market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Ton), 2021-2032

Global R-513a market shares of main players, shipments in revenue (\$ Million), sales quantity (Kilotons), and ASP (US\$/Ton), 2021-2026

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 R-513a

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 R-513a 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 Chemours, Honeywell International, Arkema, etc.

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

Market Segmentation

R-513a market is split by Type and by Application. For the period 2021-2032, 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

Content ?99.5%

Content ?995%

Market segment by Package

Small Cans

Steel Cylinders

Market segment by Channel

Direct Selling

Distribution

Market segment by Application

Residential Refrigeration

Commercial Refrigeration

Major players covered

Chemours

Honeywell International

Arkema

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 R-513a product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of R-513a, with price, sales quantity, revenue, and global market share of R-513a from 2021 to 2026.

Chapter 3, the R-513a competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the R-513a breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

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 2021 to 2032.

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 2021 to 2026. and R-513a market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

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 R-513a.

Chapter 14 and 15, to describe R-513a sales channel, distributors, customers, research findings and conclusion.

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