

Global R-513a Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global R-513a market size is expected to reach \$ 1155 million by 2032, rising at a market growth of 6.8% CAGR during the forecast period (2026-2032).

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.

This report studies the global R-513a production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for R-513a and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of R-513a that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global R-513a total production and demand, 2021-2032, (Kilotons)

Global R-513a total production value, 2021-2032, (USD Million)

Global R-513a production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons), (based on production site)

Global R-513a consumption by region & country, CAGR, 2021-2032 & (Kilotons)

U.S. VS China: R-513a domestic production, consumption, key domestic manufacturers and share

Global R-513a production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Kilotons)

Global R-513a production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons)

Global R-513a production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons)

This report profiles key players in the global R-513a market based on the following parameters - company overview, production, value, 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.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World R-513a market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Kilotons) and average price (US\$/Ton) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global R-513a Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global R-513a Market, Segmentation by Type:

Content ?99.5%

Content ?995%

Global R-513a Market, Segmentation by Package:

Small Cans

Steel Cylinders

Global R-513a Market, Segmentation by Channel:

Direct Selling

Distribution

Global R-513a Market, Segmentation by Application:

Residential Refrigeration

Commercial Refrigeration

Companies Profiled:

Chemours

Honeywell International

Arkema

Key Questions Answered:

1. How big is the global R-513a market?
2. What is the demand of the global R-513a market?
3. What is the year over year growth of the global R-513a market?
4. What is the production and production value of the global R-513a market?
5. Who are the key producers in the global R-513a market?
6. What are the growth factors driving the market demand?

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