

# 2018-2023 Global R134A Refrigerant Consumption Market Report

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## Abstracts

The report requires updating with new data and is sent in 48 hours after order is placed.

In this report, LP Information covers the present scenario (with the base year being 2017) and the growth prospects of global R134A Refrigerant market for 2018-2023.

R134a is also known as tetrafluoroethane (CF<sub>3</sub>CH<sub>2</sub>F) 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.

In 2013, Europe published the ban that the new Automotive Air-Conditioning (MAC) cannot use R134a. Since 1 January 2013 the MAC Directive is fully applicable. In 2015, The US Environmental Protection Agency (EPA) is considering declaring refrigerant R134a as being unsuitable for use in chillers. Affected by the policy, global sales of R134a decreases from 203 K MT in 2012 to 200 K MT in 2016, with an average decrease rate of 0.89%. Also, Arkema is planning to shut down its R134a refrigerant plant at Pierre-Benite, France.

Currently, global major manufacturers in this industry are mainly concentrated in China. In 2016, China produced 145 K MT R134a, with a share of 72%. China major suppliers are Juhua Group, Sinochem Taicang Chemical, Bailian, Dongyue Federation and Sanmei etc. Price in China changes a lot during 2012 to 2016. But China's demand growth has been slow, so China has become the world's largest exporter.

On the other hand, with the European restrictions on the use of 134A, and the United States will increase anti-dumping duties on the product from China, the future of China's export status is very grim.

Over the next five years, LPI(LP Information) projects that R134A Refrigerant will register a -10.9% CAGR in terms of revenue, reach US\$ 100 million by 2023, from US\$ 190 million in 2017.

This report presents a comprehensive overview, market shares, and growth opportunities of R134A Refrigerant market by product type, application, key manufacturers and key regions.

To calculate the market size, LP Information considers value and volume generated from the sales of the following segments:

Segmentation by product type:

Tetrachlorethylene Process

Trichlorethylene Process

Segmentation by application:

Automotive Air-Conditioning

Commercial Refrigeration Equipment

Domestic Refrigeration Equipment

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

Spain

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The report also presents the market competition landscape and a corresponding detailed analysis of the major vendor/manufacturers in the market. The key manufacturers covered in this report:

Mexichem Fluor

Chemours

Honeywell

Linde Gas

Arkema

Juhua Group

Sinochem Taicang Chemical

Bailian

Dongyue Federation

Sanmei

In addition, this report discusses the key drivers influencing market growth, opportunities, the challenges and the risks faced by key manufacturers and the market as a whole. It also analyzes key emerging trends and their impact on present and future development.

#### Research objectives

To study and analyze the global R134A Refrigerant consumption (value & volume) by key regions/countries, product type and application, history data

from 2013 to 2017, and forecast to 2023.

To understand the structure of R134A Refrigerant market by identifying its various subsegments.

Focuses on the key global R134A Refrigerant manufacturers, to define, describe and analyze the sales volume, value, market share, market competition landscape, SWOT analysis and development plans in next few years.

To analyze the R134A Refrigerant with respect to individual growth trends, future prospects, and their contribution to the total market.

To share detailed information about the key factors influencing the growth of the market (growth potential, opportunities, drivers, industry-specific challenges and risks).

To project the consumption of R134A Refrigerant submarkets, with respect to key regions (along with their respective key countries).

To analyze competitive developments such as expansions, agreements, new product launches, and acquisitions in the market.

To strategically profile the key players and comprehensively analyze their growth strategies.

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