

# 2018 Top 5 R134A Refrigerant Players in North America, Europe, Asia-Pacific, South America, Middle East and Africa

https://marketpublishers.com/r/23EEF06AEF7EN.html

Date: July 2018

Pages: 125

Price: US\$ 4,960.00 (Single User License)

ID: 23EEF06AEF7EN

### **Abstracts**

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

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.

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 decease 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

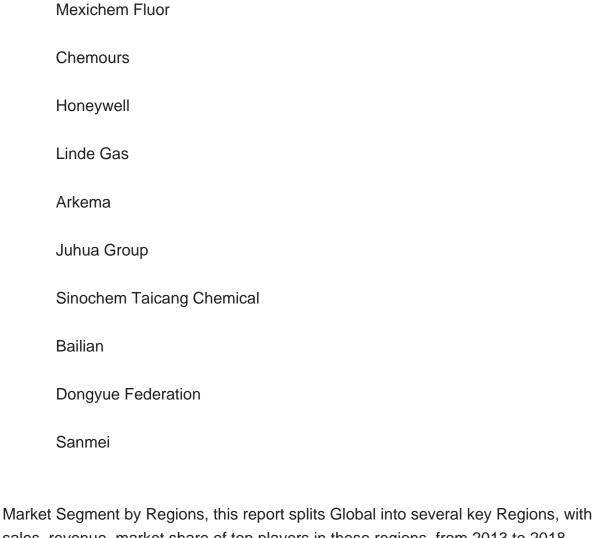
On the other hand, with the European restrictions on the use of 134A, and the United States will increase anti-dumping duties on the product from China, the future of China's



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 studies the global market, especially in North America, Europe, Asia-Pacific, South America, Middle East and Africa, focuses on the top 5 players in each region, with sales, price, revenue and market share from 2013 to 2018, the top players:



Market Segment by Regions, this report splits Global into several key Regions, with sales, revenue, market share of top players in these regions, from 2013 to 2018 (forecast), like

North America (United States, Canada and Mexico)

Asia-Pacific (China, Japan, Southeast Asia, India and Korea)

Europe (Germany, UK, France, Italy and Russia etc.)



South America (Brazil, Chile, Peru and Argentina)

Middle East and Africa (Egypt, South Africa, Saudi Arabia)

Split by Product Types, with sales, revenue, price, market share of each type, can be divided into

Tetrachlorethylene Process

Trichlorethylene Process

Split by applications, this report focuses on sales, market share and growth rate in each application, can be divided into

Automotive Air-Conditioning

Commercial Refrigeration Equipment

Domestic Refrigeration Equipment



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