

# R22 Refrigerant Industry Research Report 2023

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## Abstracts

R22 Refrigerant is a chemical that keeps the air coming from your air conditioning system cool, so it's unquestionably incredibly important. Most air conditioning units older than 10 years utilize an AC refrigerant called R22 that's commonly identified as Freon\*, and is noted by the EPA as HCFC-22. This refrigerant was introduced in the 1950s and became the leading AC refrigerant in the residential heating and cooling industry.

Fast forward a few decades and the world realized that R22 Refrigerant was aiding in the depletion of the Earth's ozone layer. Not a great thing. So, the U.S. EPA, in cooperation with other agencies and groups around the world, initiated a phase out of many ozone-depleting agents as part of an international agreement known as the Montreal Protocol. The regulation lists many HCFCs and CFCs (different types of refrigerants that deplete the ozone layer), but R22 is considered one of the worst offenders.

In 2003, the phase out of R22 production and imports began. By early 2010 the production and import of R22 became prohibited. However, servicing current, existing equipment is still acceptable if there is an available supply of R22. To confirm the public's compliance with the new law, all sales of R22 must be purchased by a certified technician. The production and import of R22 will be continually reduced by law until 2020, when all production and import will be eliminated. Only recycled R22 Refrigerant will be available to service existing air conditioners after 2020

## Highlights

The global R22 Refrigerant market is projected to reach US\$ million by 2028 from an estimated US\$ million in 2022, at a CAGR of % during 2024 and 2029.

The global R22 Refrigerant market has been broadly segmented based on type, application, and region. According to the research study, the above 99.9% Purity segment held a significant share of the of the R22 Refrigerant market. In 2019, above 99.9% Purity accounted for a major share of nearly 78 % the global R22 Refrigerant market.

R22 Refrigerant have wide range of applications: Air Conditioning, Refrigeration and Others. Based on application, In R22 Refrigerant market, the Air Conditioning holds an important share in terms of Application, with above 50% of the market share by sales volume in 2019

Asia-Pacific held a key market sales share of the R22 Refrigerant market in 2019 which account for about 74%.

Due to the 'Montreal Protocol', developed countries have stopped the production of R22. China is the main producer of HCFCs in the world, and China has implemented a quota system for use and production. The internal use and export of non-polymer HCFCs are strictly restricted. Take R22, which has the largest output, as an example. From the perspective of total quotas, China strictly implements the Montreal Protocol, reducing it by nearly 11% in 2015 (compared to the baseline, the same below), by nearly 13% in 2019, and will continue to reduce in 2020.

However, R-22 isn't going away overnight. Different regions and countries are following different time phase-out frames; recycled R-22 will be available on the market for many years.

## Report Scope

This report aims to provide a comprehensive presentation of the global market for R22 Refrigerant, with both quantitative and qualitative analysis, to help readers develop business/growth strategies, assess the market competitive situation, analyze their position in the current marketplace, and make informed business decisions regarding R22 Refrigerant.

The R22 Refrigerant market size, estimations, and forecasts are provided in terms of output/shipments (MT) and revenue (\$ millions), considering 2022 as the base year, with history and forecast data for the period from 2018 to 2029. This report segments the global R22 Refrigerant market comprehensively. Regional market sizes, concerning products by types, by application, and by players, are also provided. The influence of

COVID-19 and the Russia-Ukraine War were considered while estimating market sizes.

For a more in-depth understanding of the market, the report provides profiles of the competitive landscape, key competitors, and their respective market ranks. The report also discusses technological trends and new product developments.

The report will help the R22 Refrigerant manufacturers, new entrants, and industry chain related companies in this market with information on the revenues, production, and average price for the overall market and the sub-segments across the different segments, by company, product type, application, and regions.

### Key Companies & Market Share Insights

In this section, the readers will gain an understanding of the key players competing. This report has studied the key growth strategies, such as innovative trends and developments, intensification of product portfolio, mergers and acquisitions, collaborations, new product innovation, and geographical expansion, undertaken by these participants to maintain their presence. Apart from business strategies, the study includes current developments and key financials. The readers will also get access to the data related to global revenue, price, and sales by manufacturers for the period 2017-2022. This all-inclusive report will certainly serve the clients to stay updated and make effective decisions in their businesses. Some of the prominent players reviewed in the research report include:

Juhua Group

Shandong Dongyue Chemical Co Ltd

Arkema

Jiangsu Meilan Chemical

Zhejiang Sanmei Chemical

Changshu 3F Zhonghao

Yonghe Company

Chemours

Linhai Limin Chemicals

AG Chem

## Product Type Insights

Global markets are presented by R22 Refrigerant ity, along with growth forecasts through 2029. Estimates on production and value are based on the price in the supply chain at which the R22 Refrigerant are procured by the manufacturers.

This report has studied every segment and provided the market size using historical data. They have also talked about the growth opportunities that the segment may pose in the future. This study bestows production and revenue data by type, and during the historical period (2018-2023) and forecast period (2024-2029).

## R22 Refrigerant segment Purity

Above 99.9%

Below 99.9%

## Application Insights

This report has provided the market size (production and revenue data) by application, during the historical period (2018-2023) and forecast period (2024-2029).

This report also outlines the market trends of each segment and consumer behaviors impacting the R22 Refrigerant market and what implications these may have on the industry's future. This report can help to understand the relevant market and consumer trends that are driving the R22 Refrigerant market.

## R22 Refrigerant segment by Application

Air Conditioning

Refrigeration

## Others

### Regional Outlook

This section of the report provides key insights regarding various regions and the key players operating in each region. Economic, social, environmental, technological, and political factors have been taken into consideration while assessing the growth of the particular region/country. The readers will also get their hands on the revenue and sales data of each region and country for the period 2018-2029.

The market has been segmented into various major geographies, including North America, Europe, Asia-Pacific, South America. Detailed analysis of major countries such as the USA, Germany, the U.K., Italy, France, China, Japan, South Korea, Southeast Asia, and India will be covered within the regional segment. For market estimates, data are going to be provided for 2022 because of the base year, with estimates for 2023 and forecast value for 2029.

#### North America

United States

Canada

#### Europe

Germany

France

U.K.

Italy

Russia

#### Asia-Pacific

China

Japan

South Korea

India

Australia

China Taiwan

Indonesia

Thailand

Malaysia

Latin America

Mexico

Brazil

Argentina

## Key Drivers & Barriers

High-impact rendering factors and drivers have been studied in this report to aid the readers to understand the general development. Moreover, the report includes restraints and challenges that may act as stumbling blocks on the way of the players. This will assist the users to be attentive and make informed decisions related to business. Specialists have also laid their focus on the upcoming business prospects.

## COVID-19 and Russia-Ukraine War Influence Analysis

The readers in the section will understand how the R22 Refrigerant market scenario changed across the globe during the pandemic, post-pandemic and Russia-Ukraine

War. The study is done keeping in view the changes in aspects such as demand, consumption, transportation, consumer behavior, supply chain management, export and import, and production. The industry experts have also highlighted the key factors that will help create opportunities for players and stabilize the overall industry in the years to come.

### Reasons to Buy This Report

This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global R22 Refrigerant market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.

This report will help stakeholders to understand the global industry status and trends of R22 Refrigerant and provides them with information on key market drivers, restraints, challenges, and opportunities.

This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in volume and value), competitor ecosystem, new product development, expansion, and acquisition.

This report stays updated with novel technology integration, features, and the latest developments in the market

This report helps stakeholders to understand the COVID-19 and Russia-Ukraine War Influence on the R22 Refrigerant industry.

This report helps stakeholders to gain insights into which regions to target globally

This report helps stakeholders to gain insights into the end-user perception concerning the adoption of R22 Refrigerant.

This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

## Core Chapters

Chapter 1: Research objectives, research methods, data sources, data cross-validation;

Chapter 2: Introduces the report scope of the report, executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the market and its likely evolution in the short to mid-term, and long term.

Chapter 3: Detailed analysis of R22 Refrigerant manufacturers competitive landscape, price, production and value market share, latest development plan, merger, and acquisition information, etc.

Chapter 4: Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product production/output, value, price, gross margin, product introduction, recent development, etc.

Chapter 5: Production/output, value of R22 Refrigerant by region/country. It provides a quantitative analysis of the market size and development potential of each region in the next six years.

Chapter 6: Consumption of R22 Refrigerant in regional level and country level. It provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and production of each country in the world.

Chapter 7: Provides the analysis of various market segments by ity, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 8: Provides the analysis of various market segments by application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 9: Analysis of industrial chain, including the upstream and downstream of the industry.

Chapter 10: Introduces the market dynamics, latest developments of the market, the



driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 11: The main points and conclusions of the report.

## Frequently Asked Questions

Which product segment grabbed the largest share in the Product Name market?

How is the competitive scenario of the Product Name market?

Which are the key factors aiding the Product Name market growth?

Which are the prominent players in the Product Name market?

Which region holds the maximum share in the Product Name market?

What will be the CAGR of the Product Name market during the forecast period?

Which application segment emerged as the leading segment in the Product Name market?

What key trends are likely to emerge in the Product Name market in the coming years?

What will be the Product Name market size by 2028?

Which company held the largest share in the Product Name market?

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