

# Global HFO-1234ze Refrigerant Supply, Demand and Key Producers, 2023-2029

<https://marketpublishers.com/r/GFB759341889EN.html>

Date: July 2024

Pages: 116

Price: US\$ 4,480.00 (Single User License)

ID: GFB759341889EN

## Abstracts

The global HFO-1234ze Refrigerant market size is expected to reach \$ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

HFO-1234ze is a refrigerant that is considered a more environmentally friendly alternative to traditional hydrofluorocarbons (HFCs) used in refrigeration and air conditioning systems. It is classified as a hydrofluoroolefin (HFO) and has a Global Warming Potential (GWP) of just 1, which is significantly lower than the GWPs of HFC refrigerants such as R-410A (GWP of 2090) or R-404A (GWP of 3922).

This report studies the global HFO-1234ze Refrigerant production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for HFO-1234ze Refrigerant, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of HFO-1234ze Refrigerant that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global HFO-1234ze Refrigerant total production and demand, 2018-2029, (Tons)

Global HFO-1234ze Refrigerant total production value, 2018-2029, (USD Million)

Global HFO-1234ze Refrigerant production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (Tons)

Global HFO-1234ze Refrigerant consumption by region & country, CAGR, 2018-2029 & (Tons)

U.S. VS China: HFO-1234ze Refrigerant domestic production, consumption, key domestic manufacturers and share

Global HFO-1234ze Refrigerant production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (Tons)

Global HFO-1234ze Refrigerant production by Type, production, value, CAGR, 2018-2029, (USD Million) & (Tons)

Global HFO-1234ze Refrigerant production by Application production, value, CAGR, 2018-2029, (USD Million) & (Tons)

This reports profiles key players in the global HFO-1234ze Refrigerant 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 Honeywel, Arkema, Chemours, SRF Limited, Daikin, Mexichem, AGC Chemicals, Harp International and Bluestar Chemicals, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World HFO-1234ze Refrigerant market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) and average price (US\$/Ton) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global HFO-1234ze Refrigerant Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global HFO-1234ze Refrigerant Market, Segmentation by Type

HFO-1234ze(E) Refrigerant

HFO-1234ze(Z) Refrigerant

HFO-1234ze(D) Refrigerant

Others

#### Global HFO-1234ze Refrigerant Market, Segmentation by Application

Commercial Refrigeration

Refrigerated Transport

Air Conditioning

Heat Pumps

Others

## Companies Profiled:

Honeywel

Arkema

Chemours

SRF Limited

Daikin

Mexichem

AGC Chemicals

Harp International

Bluestar Chemicals

China Fluoro Technology Co., Ltd (CFT)

Tazzetti

Linde

A-Gas

Shandong Yuean Chemical Industry Co., Ltd

Pure Chemicals

## Key Questions Answered

1. How big is the global HFO-1234ze Refrigerant market?
2. What is the demand of the global HFO-1234ze Refrigerant market?

3. What is the year over year growth of the global HFO-1234ze Refrigerant market?
4. What is the production and production value of the global HFO-1234ze Refrigerant market?
5. Who are the key producers in the global HFO-1234ze Refrigerant market?
6. What are the growth factors driving the market demand?

## Contents

### 1 SUPPLY SUMMARY

- 1.1 HFO-1234ze Refrigerant Introduction
- 1.2 World HFO-1234ze Refrigerant Supply & Forecast
  - 1.2.1 World HFO-1234ze Refrigerant Production Value (2018 & 2022 & 2029)
  - 1.2.2 World HFO-1234ze Refrigerant Production (2018-2029)
  - 1.2.3 World HFO-1234ze Refrigerant Pricing Trends (2018-2029)
- 1.3 World HFO-1234ze Refrigerant Production by Region (Based on Production Site)
  - 1.3.1 World HFO-1234ze Refrigerant Production Value by Region (2018-2029)
  - 1.3.2 World HFO-1234ze Refrigerant Production by Region (2018-2029)
  - 1.3.3 World HFO-1234ze Refrigerant Average Price by Region (2018-2029)
  - 1.3.4 North America HFO-1234ze Refrigerant Production (2018-2029)
  - 1.3.5 Europe HFO-1234ze Refrigerant Production (2018-2029)
  - 1.3.6 China HFO-1234ze Refrigerant Production (2018-2029)
  - 1.3.7 Japan HFO-1234ze Refrigerant Production (2018-2029)
- 1.4 Market Drivers, Restraints and Trends
  - 1.4.1 HFO-1234ze Refrigerant Market Drivers
  - 1.4.2 Factors Affecting Demand
  - 1.4.3 HFO-1234ze Refrigerant Major Market Trends
- 1.5 Influence of COVID-19 and Russia-Ukraine War
  - 1.5.1 Influence of COVID-19
  - 1.5.2 Influence of Russia-Ukraine War

### 2 DEMAND SUMMARY

- 2.1 World HFO-1234ze Refrigerant Demand (2018-2029)
- 2.2 World HFO-1234ze Refrigerant Consumption by Region
  - 2.2.1 World HFO-1234ze Refrigerant Consumption by Region (2018-2023)
  - 2.2.2 World HFO-1234ze Refrigerant Consumption Forecast by Region (2024-2029)
- 2.3 United States HFO-1234ze Refrigerant Consumption (2018-2029)
- 2.4 China HFO-1234ze Refrigerant Consumption (2018-2029)
- 2.5 Europe HFO-1234ze Refrigerant Consumption (2018-2029)
- 2.6 Japan HFO-1234ze Refrigerant Consumption (2018-2029)
- 2.7 South Korea HFO-1234ze Refrigerant Consumption (2018-2029)
- 2.8 ASEAN HFO-1234ze Refrigerant Consumption (2018-2029)
- 2.9 India HFO-1234ze Refrigerant Consumption (2018-2029)

### **3 WORLD HFO-1234ZE REFRIGERANT MANUFACTURERS COMPETITIVE ANALYSIS**

- 3.1 World HFO-1234ze Refrigerant Production Value by Manufacturer (2018-2023)
- 3.2 World HFO-1234ze Refrigerant Production by Manufacturer (2018-2023)
- 3.3 World HFO-1234ze Refrigerant Average Price by Manufacturer (2018-2023)
- 3.4 HFO-1234ze Refrigerant Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
  - 3.5.1 Global HFO-1234ze Refrigerant Industry Rank of Major Manufacturers
  - 3.5.2 Global Concentration Ratios (CR4) for HFO-1234ze Refrigerant in 2022
  - 3.5.3 Global Concentration Ratios (CR8) for HFO-1234ze Refrigerant in 2022
- 3.6 HFO-1234ze Refrigerant Market: Overall Company Footprint Analysis
  - 3.6.1 HFO-1234ze Refrigerant Market: Region Footprint
  - 3.6.2 HFO-1234ze Refrigerant Market: Company Product Type Footprint
  - 3.6.3 HFO-1234ze Refrigerant Market: Company Product Application Footprint
- 3.7 Competitive Environment
  - 3.7.1 Historical Structure of the Industry
  - 3.7.2 Barriers of Market Entry
  - 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

### **4 UNITED STATES VS CHINA VS REST OF THE WORLD**

- 4.1 United States VS China: HFO-1234ze Refrigerant Production Value Comparison
  - 4.1.1 United States VS China: HFO-1234ze Refrigerant Production Value Comparison (2018 & 2022 & 2029)
  - 4.1.2 United States VS China: HFO-1234ze Refrigerant Production Value Market Share Comparison (2018 & 2022 & 2029)
- 4.2 United States VS China: HFO-1234ze Refrigerant Production Comparison
  - 4.2.1 United States VS China: HFO-1234ze Refrigerant Production Comparison (2018 & 2022 & 2029)
  - 4.2.2 United States VS China: HFO-1234ze Refrigerant Production Market Share Comparison (2018 & 2022 & 2029)
- 4.3 United States VS China: HFO-1234ze Refrigerant Consumption Comparison
  - 4.3.1 United States VS China: HFO-1234ze Refrigerant Consumption Comparison (2018 & 2022 & 2029)
  - 4.3.2 United States VS China: HFO-1234ze Refrigerant Consumption Market Share Comparison (2018 & 2022 & 2029)

#### 4.4 United States Based HFO-1234ze Refrigerant Manufacturers and Market Share, 2018-2023

4.4.1 United States Based HFO-1234ze Refrigerant Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers HFO-1234ze Refrigerant Production Value (2018-2023)

4.4.3 United States Based Manufacturers HFO-1234ze Refrigerant Production (2018-2023)

#### 4.5 China Based HFO-1234ze Refrigerant Manufacturers and Market Share

4.5.1 China Based HFO-1234ze Refrigerant Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers HFO-1234ze Refrigerant Production Value (2018-2023)

4.5.3 China Based Manufacturers HFO-1234ze Refrigerant Production (2018-2023)

#### 4.6 Rest of World Based HFO-1234ze Refrigerant Manufacturers and Market Share, 2018-2023

4.6.1 Rest of World Based HFO-1234ze Refrigerant Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers HFO-1234ze Refrigerant Production Value (2018-2023)

4.6.3 Rest of World Based Manufacturers HFO-1234ze Refrigerant Production (2018-2023)

### **5 MARKET ANALYSIS BY TYPE**

#### 5.1 World HFO-1234ze Refrigerant Market Size Overview by Type: 2018 VS 2022 VS 2029

#### 5.2 Segment Introduction by Type

5.2.1 HFO-1234ze(E) Refrigerant

5.2.2 HFO-1234ze(Z) Refrigerant

5.2.3 HFO-1234ze(D) Refrigerant

5.2.4 Others

#### 5.3 Market Segment by Type

5.3.1 World HFO-1234ze Refrigerant Production by Type (2018-2029)

5.3.2 World HFO-1234ze Refrigerant Production Value by Type (2018-2029)

5.3.3 World HFO-1234ze Refrigerant Average Price by Type (2018-2029)

### **6 MARKET ANALYSIS BY APPLICATION**



## 6.1 World HFO-1234ze Refrigerant Market Size Overview by Application: 2018 VS 2022 VS 2029

### 6.2 Segment Introduction by Application

#### 6.2.1 Commercial Refrigeration

#### 6.2.2 Refrigerated Transport

#### 6.2.3 Air Conditioning

#### 6.2.4 Heat Pumps

#### 6.2.5 Others

### 6.3 Market Segment by Application

#### 6.3.1 World HFO-1234ze Refrigerant Production by Application (2018-2029)

#### 6.3.2 World HFO-1234ze Refrigerant Production Value by Application (2018-2029)

#### 6.3.3 World HFO-1234ze Refrigerant Average Price by Application (2018-2029)

## 7 COMPANY PROFILES

### 7.1 Honeywel

#### 7.1.1 Honeywel Details

#### 7.1.2 Honeywel Major Business

#### 7.1.3 Honeywel HFO-1234ze Refrigerant Product and Services

#### 7.1.4 Honeywel HFO-1234ze Refrigerant Production, Price, Value, Gross Margin and Market Share (2018-2023)

#### 7.1.5 Honeywel Recent Developments/Updates

#### 7.1.6 Honeywel Competitive Strengths & Weaknesses

### 7.2 Arkema

#### 7.2.1 Arkema Details

#### 7.2.2 Arkema Major Business

#### 7.2.3 Arkema HFO-1234ze Refrigerant Product and Services

#### 7.2.4 Arkema HFO-1234ze Refrigerant Production, Price, Value, Gross Margin and Market Share (2018-2023)

#### 7.2.5 Arkema Recent Developments/Updates

#### 7.2.6 Arkema Competitive Strengths & Weaknesses

### 7.3 Chemours

#### 7.3.1 Chemours Details

#### 7.3.2 Chemours Major Business

#### 7.3.3 Chemours HFO-1234ze Refrigerant Product and Services

#### 7.3.4 Chemours HFO-1234ze Refrigerant Production, Price, Value, Gross Margin and Market Share (2018-2023)

#### 7.3.5 Chemours Recent Developments/Updates

#### 7.3.6 Chemours Competitive Strengths & Weaknesses

## 7.4 SRF Limited

### 7.4.1 SRF Limited Details

### 7.4.2 SRF Limited Major Business

### 7.4.3 SRF Limited HFO-1234ze Refrigerant Product and Services

### 7.4.4 SRF Limited HFO-1234ze Refrigerant Production, Price, Value, Gross Margin and Market Share (2018-2023)

### 7.4.5 SRF Limited Recent Developments/Updates

### 7.4.6 SRF Limited Competitive Strengths & Weaknesses

## 7.5 Daikin

### 7.5.1 Daikin Details

### 7.5.2 Daikin Major Business

### 7.5.3 Daikin HFO-1234ze Refrigerant Product and Services

### 7.5.4 Daikin HFO-1234ze Refrigerant Production, Price, Value, Gross Margin and Market Share (2018-2023)

### 7.5.5 Daikin Recent Developments/Updates

### 7.5.6 Daikin Competitive Strengths & Weaknesses

## 7.6 Mexichem

### 7.6.1 Mexichem Details

### 7.6.2 Mexichem Major Business

### 7.6.3 Mexichem HFO-1234ze Refrigerant Product and Services

### 7.6.4 Mexichem HFO-1234ze Refrigerant Production, Price, Value, Gross Margin and Market Share (2018-2023)

### 7.6.5 Mexichem Recent Developments/Updates

### 7.6.6 Mexichem Competitive Strengths & Weaknesses

## 7.7 AGC Chemicals

### 7.7.1 AGC Chemicals Details

### 7.7.2 AGC Chemicals Major Business

### 7.7.3 AGC Chemicals HFO-1234ze Refrigerant Product and Services

### 7.7.4 AGC Chemicals HFO-1234ze Refrigerant Production, Price, Value, Gross Margin and Market Share (2018-2023)

### 7.7.5 AGC Chemicals Recent Developments/Updates

### 7.7.6 AGC Chemicals Competitive Strengths & Weaknesses

## 7.8 Harp International

### 7.8.1 Harp International Details

### 7.8.2 Harp International Major Business

### 7.8.3 Harp International HFO-1234ze Refrigerant Product and Services

### 7.8.4 Harp International HFO-1234ze Refrigerant Production, Price, Value, Gross Margin and Market Share (2018-2023)

### 7.8.5 Harp International Recent Developments/Updates

- 7.8.6 Harp International Competitive Strengths & Weaknesses
- 7.9 Bluestar Chemicals
  - 7.9.1 Bluestar Chemicals Details
  - 7.9.2 Bluestar Chemicals Major Business
  - 7.9.3 Bluestar Chemicals HFO-1234ze Refrigerant Product and Services
  - 7.9.4 Bluestar Chemicals HFO-1234ze Refrigerant Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.9.5 Bluestar Chemicals Recent Developments/Updates
  - 7.9.6 Bluestar Chemicals Competitive Strengths & Weaknesses
- 7.10 China Fluoro Technology Co., Ltd (CFT)
  - 7.10.1 China Fluoro Technology Co., Ltd (CFT) Details
  - 7.10.2 China Fluoro Technology Co., Ltd (CFT) Major Business
  - 7.10.3 China Fluoro Technology Co., Ltd (CFT) HFO-1234ze Refrigerant Product and Services
  - 7.10.4 China Fluoro Technology Co., Ltd (CFT) HFO-1234ze Refrigerant Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.10.5 China Fluoro Technology Co., Ltd (CFT) Recent Developments/Updates
  - 7.10.6 China Fluoro Technology Co., Ltd (CFT) Competitive Strengths & Weaknesses
- 7.11 Tazzetti
  - 7.11.1 Tazzetti Details
  - 7.11.2 Tazzetti Major Business
  - 7.11.3 Tazzetti HFO-1234ze Refrigerant Product and Services
  - 7.11.4 Tazzetti HFO-1234ze Refrigerant Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.11.5 Tazzetti Recent Developments/Updates
  - 7.11.6 Tazzetti Competitive Strengths & Weaknesses
- 7.12 Linde
  - 7.12.1 Linde Details
  - 7.12.2 Linde Major Business
  - 7.12.3 Linde HFO-1234ze Refrigerant Product and Services
  - 7.12.4 Linde HFO-1234ze Refrigerant Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.12.5 Linde Recent Developments/Updates
  - 7.12.6 Linde Competitive Strengths & Weaknesses
- 7.13 A-Gas
  - 7.13.1 A-Gas Details
  - 7.13.2 A-Gas Major Business
  - 7.13.3 A-Gas HFO-1234ze Refrigerant Product and Services
  - 7.13.4 A-Gas HFO-1234ze Refrigerant Production, Price, Value, Gross Margin and

## Market Share (2018-2023)

7.13.5 A-Gas Recent Developments/Updates

7.13.6 A-Gas Competitive Strengths & Weaknesses

## 7.14 Shandong Yuean Chemical Industry Co., Ltd

7.14.1 Shandong Yuean Chemical Industry Co., Ltd Details

7.14.2 Shandong Yuean Chemical Industry Co., Ltd Major Business

7.14.3 Shandong Yuean Chemical Industry Co., Ltd HFO-1234ze Refrigerant Product and Services

7.14.4 Shandong Yuean Chemical Industry Co., Ltd HFO-1234ze Refrigerant Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.14.5 Shandong Yuean Chemical Industry Co., Ltd Recent Developments/Updates

7.14.6 Shandong Yuean Chemical Industry Co., Ltd Competitive Strengths & Weaknesses

## 7.15 Pure Chemicals

7.15.1 Pure Chemicals Details

7.15.2 Pure Chemicals Major Business

7.15.3 Pure Chemicals HFO-1234ze Refrigerant Product and Services

7.15.4 Pure Chemicals HFO-1234ze Refrigerant Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.15.5 Pure Chemicals Recent Developments/Updates

7.15.6 Pure Chemicals Competitive Strengths & Weaknesses

## 8 INDUSTRY CHAIN ANALYSIS

### 8.1 HFO-1234ze Refrigerant Industry Chain

### 8.2 HFO-1234ze Refrigerant Upstream Analysis

8.2.1 HFO-1234ze Refrigerant Core Raw Materials

8.2.2 Main Manufacturers of HFO-1234ze Refrigerant Core Raw Materials

### 8.3 Midstream Analysis

### 8.4 Downstream Analysis

### 8.5 HFO-1234ze Refrigerant Production Mode

### 8.6 HFO-1234ze Refrigerant Procurement Model

### 8.7 HFO-1234ze Refrigerant Industry Sales Model and Sales Channels

8.7.1 HFO-1234ze Refrigerant Sales Model

8.7.2 HFO-1234ze Refrigerant Typical Customers

## 9 RESEARCH FINDINGS AND CONCLUSION

## 10 APPENDIX

10.1 Methodology

10.2 Research Process and Data Source

10.3 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. World HFO-1234ze Refrigerant Production Value by Region (2018, 2022 and 2029) & (USD Million)

Table 2. World HFO-1234ze Refrigerant Production Value by Region (2018-2023) & (USD Million)

Table 3. World HFO-1234ze Refrigerant Production Value by Region (2024-2029) & (USD Million)

Table 4. World HFO-1234ze Refrigerant Production Value Market Share by Region (2018-2023)

Table 5. World HFO-1234ze Refrigerant Production Value Market Share by Region (2024-2029)

Table 6. World HFO-1234ze Refrigerant Production by Region (2018-2023) & (Tons)

Table 7. World HFO-1234ze Refrigerant Production by Region (2024-2029) & (Tons)

Table 8. World HFO-1234ze Refrigerant Production Market Share by Region (2018-2023)

Table 9. World HFO-1234ze Refrigerant Production Market Share by Region (2024-2029)

Table 10. World HFO-1234ze Refrigerant Average Price by Region (2018-2023) & (US\$/Ton)

Table 11. World HFO-1234ze Refrigerant Average Price by Region (2024-2029) & (US\$/Ton)

Table 12. HFO-1234ze Refrigerant Major Market Trends

Table 13. World HFO-1234ze Refrigerant Consumption Growth Rate Forecast by Region (2018 & 2022 & 2029) & (Tons)

Table 14. World HFO-1234ze Refrigerant Consumption by Region (2018-2023) & (Tons)

Table 15. World HFO-1234ze Refrigerant Consumption Forecast by Region (2024-2029) & (Tons)

Table 16. World HFO-1234ze Refrigerant Production Value by Manufacturer (2018-2023) & (USD Million)

Table 17. Production Value Market Share of Key HFO-1234ze Refrigerant Producers in 2022

Table 18. World HFO-1234ze Refrigerant Production by Manufacturer (2018-2023) & (Tons)

Table 19. Production Market Share of Key HFO-1234ze Refrigerant Producers in 2022

Table 20. World HFO-1234ze Refrigerant Average Price by Manufacturer (2018-2023)

& (US\$/Ton)

Table 21. Global HFO-1234ze Refrigerant Company Evaluation Quadrant

Table 22. World HFO-1234ze Refrigerant Industry Rank of Major Manufacturers, Based on Production Value in 2022

Table 23. Head Office and HFO-1234ze Refrigerant Production Site of Key Manufacturer

Table 24. HFO-1234ze Refrigerant Market: Company Product Type Footprint

Table 25. HFO-1234ze Refrigerant Market: Company Product Application Footprint

Table 26. HFO-1234ze Refrigerant Competitive Factors

Table 27. HFO-1234ze Refrigerant New Entrant and Capacity Expansion Plans

Table 28. HFO-1234ze Refrigerant Mergers & Acquisitions Activity

Table 29. United States VS China HFO-1234ze Refrigerant Production Value Comparison, (2018 & 2022 & 2029) & (USD Million)

Table 30. United States VS China HFO-1234ze Refrigerant Production Comparison, (2018 & 2022 & 2029) & (Tons)

Table 31. United States VS China HFO-1234ze Refrigerant Consumption Comparison, (2018 & 2022 & 2029) & (Tons)

Table 32. United States Based HFO-1234ze Refrigerant Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers HFO-1234ze Refrigerant Production Value, (2018-2023) & (USD Million)

Table 34. United States Based Manufacturers HFO-1234ze Refrigerant Production Value Market Share (2018-2023)

Table 35. United States Based Manufacturers HFO-1234ze Refrigerant Production (2018-2023) & (Tons)

Table 36. United States Based Manufacturers HFO-1234ze Refrigerant Production Market Share (2018-2023)

Table 37. China Based HFO-1234ze Refrigerant Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers HFO-1234ze Refrigerant Production Value, (2018-2023) & (USD Million)

Table 39. China Based Manufacturers HFO-1234ze Refrigerant Production Value Market Share (2018-2023)

Table 40. China Based Manufacturers HFO-1234ze Refrigerant Production (2018-2023) & (Tons)

Table 41. China Based Manufacturers HFO-1234ze Refrigerant Production Market Share (2018-2023)

Table 42. Rest of World Based HFO-1234ze Refrigerant Manufacturers, Headquarters and Production Site (States, Country)

Table 43. Rest of World Based Manufacturers HFO-1234ze Refrigerant Production Value, (2018-2023) & (USD Million)

Table 44. Rest of World Based Manufacturers HFO-1234ze Refrigerant Production Value Market Share (2018-2023)

Table 45. Rest of World Based Manufacturers HFO-1234ze Refrigerant Production (2018-2023) & (Tons)

Table 46. Rest of World Based Manufacturers HFO-1234ze Refrigerant Production Market Share (2018-2023)

Table 47. World HFO-1234ze Refrigerant Production Value by Type, (USD Million), 2018 & 2022 & 2029

Table 48. World HFO-1234ze Refrigerant Production by Type (2018-2023) & (Tons)

Table 49. World HFO-1234ze Refrigerant Production by Type (2024-2029) & (Tons)

Table 50. World HFO-1234ze Refrigerant Production Value by Type (2018-2023) & (USD Million)

Table 51. World HFO-1234ze Refrigerant Production Value by Type (2024-2029) & (USD Million)

Table 52. World HFO-1234ze Refrigerant Average Price by Type (2018-2023) & (US\$/Ton)

Table 53. World HFO-1234ze Refrigerant Average Price by Type (2024-2029) & (US\$/Ton)

Table 54. World HFO-1234ze Refrigerant Production Value by Application, (USD Million), 2018 & 2022 & 2029

Table 55. World HFO-1234ze Refrigerant Production by Application (2018-2023) & (Tons)

Table 56. World HFO-1234ze Refrigerant Production by Application (2024-2029) & (Tons)

Table 57. World HFO-1234ze Refrigerant Production Value by Application (2018-2023) & (USD Million)

Table 58. World HFO-1234ze Refrigerant Production Value by Application (2024-2029) & (USD Million)

Table 59. World HFO-1234ze Refrigerant Average Price by Application (2018-2023) & (US\$/Ton)

Table 60. World HFO-1234ze Refrigerant Average Price by Application (2024-2029) & (US\$/Ton)

Table 61. Honeywel Basic Information, Manufacturing Base and Competitors

Table 62. Honeywel Major Business

Table 63. Honeywel HFO-1234ze Refrigerant Product and Services

Table 64. Honeywel HFO-1234ze Refrigerant Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)



- Table 65. Honeywel Recent Developments/Updates
- Table 66. Honeywel Competitive Strengths & Weaknesses
- Table 67. Arkema Basic Information, Manufacturing Base and Competitors
- Table 68. Arkema Major Business
- Table 69. Arkema HFO-1234ze Refrigerant Product and Services
- Table 70. Arkema HFO-1234ze Refrigerant Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 71. Arkema Recent Developments/Updates
- Table 72. Arkema Competitive Strengths & Weaknesses
- Table 73. Chemours Basic Information, Manufacturing Base and Competitors
- Table 74. Chemours Major Business
- Table 75. Chemours HFO-1234ze Refrigerant Product and Services
- Table 76. Chemours HFO-1234ze Refrigerant Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 77. Chemours Recent Developments/Updates
- Table 78. Chemours Competitive Strengths & Weaknesses
- Table 79. SRF Limited Basic Information, Manufacturing Base and Competitors
- Table 80. SRF Limited Major Business
- Table 81. SRF Limited HFO-1234ze Refrigerant Product and Services
- Table 82. SRF Limited HFO-1234ze Refrigerant Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 83. SRF Limited Recent Developments/Updates
- Table 84. SRF Limited Competitive Strengths & Weaknesses
- Table 85. Daikin Basic Information, Manufacturing Base and Competitors
- Table 86. Daikin Major Business
- Table 87. Daikin HFO-1234ze Refrigerant Product and Services
- Table 88. Daikin HFO-1234ze Refrigerant Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 89. Daikin Recent Developments/Updates
- Table 90. Daikin Competitive Strengths & Weaknesses
- Table 91. Mexichem Basic Information, Manufacturing Base and Competitors
- Table 92. Mexichem Major Business
- Table 93. Mexichem HFO-1234ze Refrigerant Product and Services
- Table 94. Mexichem HFO-1234ze Refrigerant Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 95. Mexichem Recent Developments/Updates
- Table 96. Mexichem Competitive Strengths & Weaknesses
- Table 97. AGC Chemicals Basic Information, Manufacturing Base and Competitors
- Table 98. AGC Chemicals Major Business

- Table 99. AGC Chemicals HFO-1234ze Refrigerant Product and Services
- Table 100. AGC Chemicals HFO-1234ze Refrigerant Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 101. AGC Chemicals Recent Developments/Updates
- Table 102. AGC Chemicals Competitive Strengths & Weaknesses
- Table 103. Harp International Basic Information, Manufacturing Base and Competitors
- Table 104. Harp International Major Business
- Table 105. Harp International HFO-1234ze Refrigerant Product and Services
- Table 106. Harp International HFO-1234ze Refrigerant Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 107. Harp International Recent Developments/Updates
- Table 108. Harp International Competitive Strengths & Weaknesses
- Table 109. Bluestar Chemicals Basic Information, Manufacturing Base and Competitors
- Table 110. Bluestar Chemicals Major Business
- Table 111. Bluestar Chemicals HFO-1234ze Refrigerant Product and Services
- Table 112. Bluestar Chemicals HFO-1234ze Refrigerant Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 113. Bluestar Chemicals Recent Developments/Updates
- Table 114. Bluestar Chemicals Competitive Strengths & Weaknesses
- Table 115. China Fluoro Technology Co., Ltd (CFT) Basic Information, Manufacturing Base and Competitors
- Table 116. China Fluoro Technology Co., Ltd (CFT) Major Business
- Table 117. China Fluoro Technology Co., Ltd (CFT) HFO-1234ze Refrigerant Product and Services
- Table 118. China Fluoro Technology Co., Ltd (CFT) HFO-1234ze Refrigerant Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 119. China Fluoro Technology Co., Ltd (CFT) Recent Developments/Updates
- Table 120. China Fluoro Technology Co., Ltd (CFT) Competitive Strengths & Weaknesses
- Table 121. Tazzetti Basic Information, Manufacturing Base and Competitors
- Table 122. Tazzetti Major Business
- Table 123. Tazzetti HFO-1234ze Refrigerant Product and Services
- Table 124. Tazzetti HFO-1234ze Refrigerant Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 125. Tazzetti Recent Developments/Updates

- Table 126. Tazzetti Competitive Strengths & Weaknesses
- Table 127. Linde Basic Information, Manufacturing Base and Competitors
- Table 128. Linde Major Business
- Table 129. Linde HFO-1234ze Refrigerant Product and Services
- Table 130. Linde HFO-1234ze Refrigerant Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 131. Linde Recent Developments/Updates
- Table 132. Linde Competitive Strengths & Weaknesses
- Table 133. A-Gas Basic Information, Manufacturing Base and Competitors
- Table 134. A-Gas Major Business
- Table 135. A-Gas HFO-1234ze Refrigerant Product and Services
- Table 136. A-Gas HFO-1234ze Refrigerant Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 137. A-Gas Recent Developments/Updates
- Table 138. A-Gas Competitive Strengths & Weaknesses
- Table 139. Shandong Yuean Chemical Industry Co., Ltd Basic Information, Manufacturing Base and Competitors
- Table 140. Shandong Yuean Chemical Industry Co., Ltd Major Business
- Table 141. Shandong Yuean Chemical Industry Co., Ltd HFO-1234ze Refrigerant Product and Services
- Table 142. Shandong Yuean Chemical Industry Co., Ltd HFO-1234ze Refrigerant Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 143. Shandong Yuean Chemical Industry Co., Ltd Recent Developments/Updates
- Table 144. Pure Chemicals Basic Information, Manufacturing Base and Competitors
- Table 145. Pure Chemicals Major Business
- Table 146. Pure Chemicals HFO-1234ze Refrigerant Product and Services
- Table 147. Pure Chemicals HFO-1234ze Refrigerant Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 148. Global Key Players of HFO-1234ze Refrigerant Upstream (Raw Materials)
- Table 149. HFO-1234ze Refrigerant Typical Customers
- Table 150. HFO-1234ze Refrigerant Typical Distributors

## List Of Figures

### LIST OF FIGURES

- Figure 1. HFO-1234ze Refrigerant Picture
- Figure 2. World HFO-1234ze Refrigerant Production Value: 2018 & 2022 & 2029, (USD Million)
- Figure 3. World HFO-1234ze Refrigerant Production Value and Forecast (2018-2029) & (USD Million)
- Figure 4. World HFO-1234ze Refrigerant Production (2018-2029) & (Tons)
- Figure 5. World HFO-1234ze Refrigerant Average Price (2018-2029) & (US\$/Ton)
- Figure 6. World HFO-1234ze Refrigerant Production Value Market Share by Region (2018-2029)
- Figure 7. World HFO-1234ze Refrigerant Production Market Share by Region (2018-2029)
- Figure 8. North America HFO-1234ze Refrigerant Production (2018-2029) & (Tons)
- Figure 9. Europe HFO-1234ze Refrigerant Production (2018-2029) & (Tons)
- Figure 10. China HFO-1234ze Refrigerant Production (2018-2029) & (Tons)
- Figure 11. Japan HFO-1234ze Refrigerant Production (2018-2029) & (Tons)
- Figure 12. HFO-1234ze Refrigerant Market Drivers
- Figure 13. Factors Affecting Demand
- Figure 14. World HFO-1234ze Refrigerant Consumption (2018-2029) & (Tons)
- Figure 15. World HFO-1234ze Refrigerant Consumption Market Share by Region (2018-2029)
- Figure 16. United States HFO-1234ze Refrigerant Consumption (2018-2029) & (Tons)
- Figure 17. China HFO-1234ze Refrigerant Consumption (2018-2029) & (Tons)
- Figure 18. Europe HFO-1234ze Refrigerant Consumption (2018-2029) & (Tons)
- Figure 19. Japan HFO-1234ze Refrigerant Consumption (2018-2029) & (Tons)
- Figure 20. South Korea HFO-1234ze Refrigerant Consumption (2018-2029) & (Tons)
- Figure 21. ASEAN HFO-1234ze Refrigerant Consumption (2018-2029) & (Tons)
- Figure 22. India HFO-1234ze Refrigerant Consumption (2018-2029) & (Tons)
- Figure 23. Producer Shipments of HFO-1234ze Refrigerant by Manufacturer Revenue (\$MM) and Market Share (%): 2022
- Figure 24. Global Four-firm Concentration Ratios (CR4) for HFO-1234ze Refrigerant Markets in 2022
- Figure 25. Global Four-firm Concentration Ratios (CR8) for HFO-1234ze Refrigerant Markets in 2022
- Figure 26. United States VS China: HFO-1234ze Refrigerant Production Value Market Share Comparison (2018 & 2022 & 2029)

Figure 27. United States VS China: HFO-1234ze Refrigerant Production Market Share Comparison (2018 & 2022 & 2029)

Figure 28. United States VS China: HFO-1234ze Refrigerant Consumption Market Share Comparison (2018 & 2022 & 2029)

Figure 29. United States Based Manufacturers HFO-1234ze Refrigerant Production Market Share 2022

Figure 30. China Based Manufacturers HFO-1234ze Refrigerant Production Market Share 2022

Figure 31. Rest of World Based Manufacturers HFO-1234ze Refrigerant Production Market Share 2022

Figure 32. World HFO-1234ze Refrigerant Production Value by Type, (USD Million), 2018 & 2022 & 2029

Figure 33. World HFO-1234ze Refrigerant Production Value Market Share by Type in 2022

Figure 34. HFO-1234ze(E) Refrigerant

Figure 35. HFO-1234ze(Z) Refrigerant

Figure 36. HFO-1234ze(D) Refrigerant

Figure 37. Others

Figure 38. World HFO-1234ze Refrigerant Production Market Share by Type (2018-2029)

Figure 39. World HFO-1234ze Refrigerant Production Value Market Share by Type (2018-2029)

Figure 40. World HFO-1234ze Refrigerant Average Price by Type (2018-2029) & (US\$/Ton)

Figure 41. World HFO-1234ze Refrigerant Production Value by Application, (USD Million), 2018 & 2022 & 2029

Figure 42. World HFO-1234ze Refrigerant Production Value Market Share by Application in 2022

Figure 43. Commercial Refrigeration

Figure 44. Refrigerated Transport

Figure 45. Air Conditioning

Figure 46. Heat Pumps

Figure 47. Others

Figure 48. World HFO-1234ze Refrigerant Production Market Share by Application (2018-2029)

Figure 49. World HFO-1234ze Refrigerant Production Value Market Share by Application (2018-2029)

Figure 50. World HFO-1234ze Refrigerant Average Price by Application (2018-2029) & (US\$/Ton)

Figure 51. HFO-1234ze Refrigerant Industry Chain

Figure 52. HFO-1234ze Refrigerant Procurement Model

Figure 53. HFO-1234ze Refrigerant Sales Model

Figure 54. HFO-1234ze Refrigerant Sales Channels, Direct Sales, and Distribution

Figure 55. Methodology

Figure 56. Research Process and Data Source

## I would like to order

Product name: Global HFO-1234ze Refrigerant Supply, Demand and Key Producers, 2023-2029

Product link: <https://marketpublishers.com/r/GFB759341889EN.html>

Price: US\$ 4,480.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GFB759341889EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970