

# Global Semiconductor Cleaning Gas Supply, Demand and Key Producers, 2023-2029

https://marketpublishers.com/r/G0E2DB5503E6EN.html

Date: February 2023

Pages: 114

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

ID: G0E2DB5503E6EN

# **Abstracts**

Gases used in semiconductor cleaning process

This report studies the global Semiconductor Cleaning Gas production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Semiconductor Cleaning Gas, 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 Semiconductor Cleaning Gas that contribute to its increasing demand across many markets.

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

Highlights and key features of the study

Global Semiconductor Cleaning Gas total production and demand, 2018-2029, (Liter)

Global Semiconductor Cleaning Gas total production value, 2018-2029, (USD Million)

Global Semiconductor Cleaning Gas production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (Liter)

Global Semiconductor Cleaning Gas consumption by region & country, CAGR, 2018-2029 & (Liter)



U.S. VS China: Semiconductor Cleaning Gas domestic production, consumption, key domestic manufacturers and share

Global Semiconductor Cleaning Gas production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (Liter)

Global Semiconductor Cleaning Gas production by Type, production, value, CAGR, 2018-2029, (USD Million) & (Liter)

Global Semiconductor Cleaning Gas production by Application production, value, CAGR, 2018-2029, (USD Million) & (Liter)

This reports profiles key players in the global Semiconductor Cleaning Gas 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 Linde, Kanto Denka Kogyo Co, Chengdu Kemeite, Fujian Deer, Haohua Chemical, Huate Gas, Praxair, Air Liquide and Air Products, 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 Semiconductor Cleaning Gas market

**Detailed Segmentation:** 

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Liter) and average price (US\$/Liter) 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 Semiconductor Cleaning Gas Market, By Region:

**United States** 

China



	Europe	
	Japan	
	South Korea	
	ASEAN	
	India	
	Rest of World	
Global Semiconductor Cleaning Gas Market, Segmentation by Type		
	Carbon Tetrafluoride	
	Hexafluoroethane	
	Carbonyl Fluoride	
	Other	
Global Semiconductor Cleaning Gas Market, Segmentation by Application		
	Capacitor	
	Transistor	
	Other	
Companies Profiled:		
	Linde	
	Kanto Denka Kogyo Co	



Chengdu Kemeite		
Fujian Deer		
Haohua Chemical		
Huate Gas		
Praxair		
Air Liquide		
Air Products		
Taiyo Nippon Sanso		
Linggas		
Jinhong Gas		
Showa Denko		
Versum Materials		
Key Questions Answered		
1. How big is the global Semiconductor Cleaning Gas market?		
2. What is the demand of the global Semiconductor Cleaning Gas market?		
3. What is the year over year growth of the global Semiconductor Cleaning Gas market?		
4. What is the production and production value of the global Semiconductor Cleaning Gas market?		
5. Who are the key producers in the global Semiconductor Cleaning Gas market?		

6. What are the growth factors driving the market demand?



# **Contents**

# 1 SUPPLY SUMMARY

- 1.1 Semiconductor Cleaning Gas Introduction
- 1.2 World Semiconductor Cleaning Gas Supply & Forecast
  - 1.2.1 World Semiconductor Cleaning Gas Production Value (2018 & 2022 & 2029)
  - 1.2.2 World Semiconductor Cleaning Gas Production (2018-2029)
  - 1.2.3 World Semiconductor Cleaning Gas Pricing Trends (2018-2029)
- 1.3 World Semiconductor Cleaning Gas Production by Region (Based on Production Site)
  - 1.3.1 World Semiconductor Cleaning Gas Production Value by Region (2018-2029)
  - 1.3.2 World Semiconductor Cleaning Gas Production by Region (2018-2029)
  - 1.3.3 World Semiconductor Cleaning Gas Average Price by Region (2018-2029)
  - 1.3.4 North America Semiconductor Cleaning Gas Production (2018-2029)
  - 1.3.5 Europe Semiconductor Cleaning Gas Production (2018-2029)
  - 1.3.6 China Semiconductor Cleaning Gas Production (2018-2029)
  - 1.3.7 Japan Semiconductor Cleaning Gas Production (2018-2029)
- 1.4 Market Drivers, Restraints and Trends
  - 1.4.1 Semiconductor Cleaning Gas Market Drivers
- 1.4.2 Factors Affecting Demand
- 1.4.3 Semiconductor Cleaning Gas 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 Semiconductor Cleaning Gas Demand (2018-2029)
- 2.2 World Semiconductor Cleaning Gas Consumption by Region
- 2.2.1 World Semiconductor Cleaning Gas Consumption by Region (2018-2023)
- 2.2.2 World Semiconductor Cleaning Gas Consumption Forecast by Region (2024-2029)
- 2.3 United States Semiconductor Cleaning Gas Consumption (2018-2029)
- 2.4 China Semiconductor Cleaning Gas Consumption (2018-2029)
- 2.5 Europe Semiconductor Cleaning Gas Consumption (2018-2029)
- 2.6 Japan Semiconductor Cleaning Gas Consumption (2018-2029)
- 2.7 South Korea Semiconductor Cleaning Gas Consumption (2018-2029)
- 2.8 ASEAN Semiconductor Cleaning Gas Consumption (2018-2029)



2.9 India Semiconductor Cleaning Gas Consumption (2018-2029)

# 3 WORLD SEMICONDUCTOR CLEANING GAS MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World Semiconductor Cleaning Gas Production Value by Manufacturer (2018-2023)
- 3.2 World Semiconductor Cleaning Gas Production by Manufacturer (2018-2023)
- 3.3 World Semiconductor Cleaning Gas Average Price by Manufacturer (2018-2023)
- 3.4 Semiconductor Cleaning Gas Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
- 3.5.1 Global Semiconductor Cleaning Gas Industry Rank of Major Manufacturers
- 3.5.2 Global Concentration Ratios (CR4) for Semiconductor Cleaning Gas in 2022
- 3.5.3 Global Concentration Ratios (CR8) for Semiconductor Cleaning Gas in 2022
- 3.6 Semiconductor Cleaning Gas Market: Overall Company Footprint Analysis
  - 3.6.1 Semiconductor Cleaning Gas Market: Region Footprint
  - 3.6.2 Semiconductor Cleaning Gas Market: Company Product Type Footprint
  - 3.6.3 Semiconductor Cleaning Gas 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: Semiconductor Cleaning Gas Production Value Comparison
- 4.1.1 United States VS China: Semiconductor Cleaning Gas Production Value Comparison (2018 & 2022 & 2029)
- 4.1.2 United States VS China: Semiconductor Cleaning Gas Production Value Market Share Comparison (2018 & 2022 & 2029)
- 4.2 United States VS China: Semiconductor Cleaning Gas Production Comparison
- 4.2.1 United States VS China: Semiconductor Cleaning Gas Production Comparison (2018 & 2022 & 2029)
- 4.2.2 United States VS China: Semiconductor Cleaning Gas Production Market Share Comparison (2018 & 2022 & 2029)
- 4.3 United States VS China: Semiconductor Cleaning Gas Consumption Comparison
  - 4.3.1 United States VS China: Semiconductor Cleaning Gas Consumption Comparison



### (2018 & 2022 & 2029)

- 4.3.2 United States VS China: Semiconductor Cleaning Gas Consumption Market Share Comparison (2018 & 2022 & 2029)
- 4.4 United States Based Semiconductor Cleaning Gas Manufacturers and Market Share, 2018-2023
- 4.4.1 United States Based Semiconductor Cleaning Gas Manufacturers, Headquarters and Production Site (States, Country)
- 4.4.2 United States Based Manufacturers Semiconductor Cleaning Gas Production Value (2018-2023)
- 4.4.3 United States Based Manufacturers Semiconductor Cleaning Gas Production (2018-2023)
- 4.5 China Based Semiconductor Cleaning Gas Manufacturers and Market Share
- 4.5.1 China Based Semiconductor Cleaning Gas Manufacturers, Headquarters and Production Site (Province, Country)
- 4.5.2 China Based Manufacturers Semiconductor Cleaning Gas Production Value (2018-2023)
- 4.5.3 China Based Manufacturers Semiconductor Cleaning Gas Production (2018-2023)
- 4.6 Rest of World Based Semiconductor Cleaning Gas Manufacturers and Market Share, 2018-2023
- 4.6.1 Rest of World Based Semiconductor Cleaning Gas Manufacturers, Headquarters and Production Site (State, Country)
- 4.6.2 Rest of World Based Manufacturers Semiconductor Cleaning Gas Production Value (2018-2023)
- 4.6.3 Rest of World Based Manufacturers Semiconductor Cleaning Gas Production (2018-2023)

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

- 5.1 World Semiconductor Cleaning Gas Market Size Overview by Type: 2018 VS 2022 VS 2029
- 5.2 Segment Introduction by Type
  - 5.2.1 Carbon Tetrafluoride
  - 5.2.2 Hexafluoroethane
  - 5.2.3 Carbonyl Fluoride
  - 5.2.4 Other
- 5.3 Market Segment by Type
  - 5.3.1 World Semiconductor Cleaning Gas Production by Type (2018-2029)
  - 5.3.2 World Semiconductor Cleaning Gas Production Value by Type (2018-2029)



# 5.3.3 World Semiconductor Cleaning Gas Average Price by Type (2018-2029)

# **6 MARKET ANALYSIS BY APPLICATION**

- 6.1 World Semiconductor Cleaning Gas Market Size Overview by Application: 2018 VS 2022 VS 2029
- 6.2 Segment Introduction by Application
  - 6.2.1 Capacitor
  - 6.2.2 Transistor
  - 6.2.3 Other
- 6.3 Market Segment by Application
- 6.3.1 World Semiconductor Cleaning Gas Production by Application (2018-2029)
- 6.3.2 World Semiconductor Cleaning Gas Production Value by Application (2018-2029)
  - 6.3.3 World Semiconductor Cleaning Gas Average Price by Application (2018-2029)

#### 7 COMPANY PROFILES

- 7.1 Linde
  - 7.1.1 Linde Details
  - 7.1.2 Linde Major Business
  - 7.1.3 Linde Semiconductor Cleaning Gas Product and Services
- 7.1.4 Linde Semiconductor Cleaning Gas Production, Price, Value, Gross Margin and Market Share (2018-2023)
- 7.1.5 Linde Recent Developments/Updates
- 7.1.6 Linde Competitive Strengths & Weaknesses
- 7.2 Kanto Denka Kogyo Co
  - 7.2.1 Kanto Denka Kogyo Co Details
  - 7.2.2 Kanto Denka Kogyo Co Major Business
- 7.2.3 Kanto Denka Kogyo Co Semiconductor Cleaning Gas Product and Services
- 7.2.4 Kanto Denka Kogyo Co Semiconductor Cleaning Gas Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.2.5 Kanto Denka Kogyo Co Recent Developments/Updates
- 7.2.6 Kanto Denka Kogyo Co Competitive Strengths & Weaknesses
- 7.3 Chengdu Kemeite
  - 7.3.1 Chengdu Kemeite Details
  - 7.3.2 Chengdu Kemeite Major Business
  - 7.3.3 Chengdu Kemeite Semiconductor Cleaning Gas Product and Services
  - 7.3.4 Chengdu Kemeite Semiconductor Cleaning Gas Production, Price, Value, Gross



# Margin and Market Share (2018-2023)

- 7.3.5 Chengdu Kemeite Recent Developments/Updates
- 7.3.6 Chengdu Kemeite Competitive Strengths & Weaknesses
- 7.4 Fujian Deer
  - 7.4.1 Fujian Deer Details
  - 7.4.2 Fujian Deer Major Business
  - 7.4.3 Fujian Deer Semiconductor Cleaning Gas Product and Services
- 7.4.4 Fujian Deer Semiconductor Cleaning Gas Production, Price, Value, Gross

# Margin and Market Share (2018-2023)

- 7.4.5 Fujian Deer Recent Developments/Updates
- 7.4.6 Fujian Deer Competitive Strengths & Weaknesses
- 7.5 Haohua Chemical
  - 7.5.1 Haohua Chemical Details
  - 7.5.2 Haohua Chemical Major Business
  - 7.5.3 Haohua Chemical Semiconductor Cleaning Gas Product and Services
- 7.5.4 Haohua Chemical Semiconductor Cleaning Gas Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.5.5 Haohua Chemical Recent Developments/Updates
  - 7.5.6 Haohua Chemical Competitive Strengths & Weaknesses
- 7.6 Huate Gas
  - 7.6.1 Huate Gas Details
  - 7.6.2 Huate Gas Major Business
  - 7.6.3 Huate Gas Semiconductor Cleaning Gas Product and Services
- 7.6.4 Huate Gas Semiconductor Cleaning Gas Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.6.5 Huate Gas Recent Developments/Updates
  - 7.6.6 Huate Gas Competitive Strengths & Weaknesses
- 7.7 Praxair
  - 7.7.1 Praxair Details
  - 7.7.2 Praxair Major Business
  - 7.7.3 Praxair Semiconductor Cleaning Gas Product and Services
- 7.7.4 Praxair Semiconductor Cleaning Gas Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.7.5 Praxair Recent Developments/Updates
  - 7.7.6 Praxair Competitive Strengths & Weaknesses
- 7.8 Air Liquide
  - 7.8.1 Air Liquide Details
  - 7.8.2 Air Liquide Major Business
- 7.8.3 Air Liquide Semiconductor Cleaning Gas Product and Services



- 7.8.4 Air Liquide Semiconductor Cleaning Gas Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.8.5 Air Liquide Recent Developments/Updates
  - 7.8.6 Air Liquide Competitive Strengths & Weaknesses
- 7.9 Air Products
  - 7.9.1 Air Products Details
  - 7.9.2 Air Products Major Business
  - 7.9.3 Air Products Semiconductor Cleaning Gas Product and Services
- 7.9.4 Air Products Semiconductor Cleaning Gas Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.9.5 Air Products Recent Developments/Updates
- 7.9.6 Air Products Competitive Strengths & Weaknesses
- 7.10 Taiyo Nippon Sanso
  - 7.10.1 Taiyo Nippon Sanso Details
  - 7.10.2 Taiyo Nippon Sanso Major Business
  - 7.10.3 Taiyo Nippon Sanso Semiconductor Cleaning Gas Product and Services
- 7.10.4 Taiyo Nippon Sanso Semiconductor Cleaning Gas Production, Price, Value,

Gross Margin and Market Share (2018-2023)

- 7.10.5 Taiyo Nippon Sanso Recent Developments/Updates
- 7.10.6 Taiyo Nippon Sanso Competitive Strengths & Weaknesses
- 7.11 Linggas
  - 7.11.1 Linggas Details
  - 7.11.2 Linggas Major Business
  - 7.11.3 Linggas Semiconductor Cleaning Gas Product and Services
- 7.11.4 Linggas Semiconductor Cleaning Gas Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.11.5 Linggas Recent Developments/Updates
  - 7.11.6 Linggas Competitive Strengths & Weaknesses
- 7.12 Jinhong Gas
  - 7.12.1 Jinhong Gas Details
  - 7.12.2 Jinhong Gas Major Business
  - 7.12.3 Jinhong Gas Semiconductor Cleaning Gas Product and Services
- 7.12.4 Jinhong Gas Semiconductor Cleaning Gas Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.12.5 Jinhong Gas Recent Developments/Updates
  - 7.12.6 Jinhong Gas Competitive Strengths & Weaknesses
- 7.13 Showa Denko
  - 7.13.1 Showa Denko Details
  - 7.13.2 Showa Denko Major Business



- 7.13.3 Showa Denko Semiconductor Cleaning Gas Product and Services
- 7.13.4 Showa Denko Semiconductor Cleaning Gas Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.13.5 Showa Denko Recent Developments/Updates
  - 7.13.6 Showa Denko Competitive Strengths & Weaknesses
- 7.14 Versum Materials
  - 7.14.1 Versum Materials Details
  - 7.14.2 Versum Materials Major Business
  - 7.14.3 Versum Materials Semiconductor Cleaning Gas Product and Services
- 7.14.4 Versum Materials Semiconductor Cleaning Gas Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.14.5 Versum Materials Recent Developments/Updates
  - 7.14.6 Versum Materials Competitive Strengths & Weaknesses

#### **8 INDUSTRY CHAIN ANALYSIS**

- 8.1 Semiconductor Cleaning Gas Industry Chain
- 8.2 Semiconductor Cleaning Gas Upstream Analysis
  - 8.2.1 Semiconductor Cleaning Gas Core Raw Materials
  - 8.2.2 Main Manufacturers of Semiconductor Cleaning Gas Core Raw Materials
- 8.3 Midstream Analysis
- 8.4 Downstream Analysis
- 8.5 Semiconductor Cleaning Gas Production Mode
- 8.6 Semiconductor Cleaning Gas Procurement Model
- 8.7 Semiconductor Cleaning Gas Industry Sales Model and Sales Channels
  - 8.7.1 Semiconductor Cleaning Gas Sales Model
  - 8.7.2 Semiconductor Cleaning Gas 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 Semiconductor Cleaning Gas Production Value by Region (2018, 2022 and 2029) & (USD Million)
- Table 2. World Semiconductor Cleaning Gas Production Value by Region (2018-2023) & (USD Million)
- Table 3. World Semiconductor Cleaning Gas Production Value by Region (2024-2029) & (USD Million)
- Table 4. World Semiconductor Cleaning Gas Production Value Market Share by Region (2018-2023)
- Table 5. World Semiconductor Cleaning Gas Production Value Market Share by Region (2024-2029)
- Table 6. World Semiconductor Cleaning Gas Production by Region (2018-2023) & (Liter)
- Table 7. World Semiconductor Cleaning Gas Production by Region (2024-2029) & (Liter)
- Table 8. World Semiconductor Cleaning Gas Production Market Share by Region (2018-2023)
- Table 9. World Semiconductor Cleaning Gas Production Market Share by Region (2024-2029)
- Table 10. World Semiconductor Cleaning Gas Average Price by Region (2018-2023) & (US\$/Liter)
- Table 11. World Semiconductor Cleaning Gas Average Price by Region (2024-2029) & (US\$/Liter)
- Table 12. Semiconductor Cleaning Gas Major Market Trends
- Table 13. World Semiconductor Cleaning Gas Consumption Growth Rate Forecast by Region (2018 & 2022 & 2029) & (Liter)
- Table 14. World Semiconductor Cleaning Gas Consumption by Region (2018-2023) & (Liter)
- Table 15. World Semiconductor Cleaning Gas Consumption Forecast by Region (2024-2029) & (Liter)
- Table 16. World Semiconductor Cleaning Gas Production Value by Manufacturer (2018-2023) & (USD Million)
- Table 17. Production Value Market Share of Key Semiconductor Cleaning Gas Producers in 2022
- Table 18. World Semiconductor Cleaning Gas Production by Manufacturer (2018-2023) & (Liter)



- Table 19. Production Market Share of Key Semiconductor Cleaning Gas Producers in 2022
- Table 20. World Semiconductor Cleaning Gas Average Price by Manufacturer (2018-2023) & (US\$/Liter)
- Table 21. Global Semiconductor Cleaning Gas Company Evaluation Quadrant
- Table 22. World Semiconductor Cleaning Gas Industry Rank of Major Manufacturers, Based on Production Value in 2022
- Table 23. Head Office and Semiconductor Cleaning Gas Production Site of Key Manufacturer
- Table 24. Semiconductor Cleaning Gas Market: Company Product Type Footprint
- Table 25. Semiconductor Cleaning Gas Market: Company Product Application Footprint
- Table 26. Semiconductor Cleaning Gas Competitive Factors
- Table 27. Semiconductor Cleaning Gas New Entrant and Capacity Expansion Plans
- Table 28. Semiconductor Cleaning Gas Mergers & Acquisitions Activity
- Table 29. United States VS China Semiconductor Cleaning Gas Production Value Comparison, (2018 & 2022 & 2029) & (USD Million)
- Table 30. United States VS China Semiconductor Cleaning Gas Production Comparison, (2018 & 2022 & 2029) & (Liter)
- Table 31. United States VS China Semiconductor Cleaning Gas Consumption Comparison, (2018 & 2022 & 2029) & (Liter)
- Table 32. United States Based Semiconductor Cleaning Gas Manufacturers, Headquarters and Production Site (States, Country)
- Table 33. United States Based Manufacturers Semiconductor Cleaning Gas Production Value, (2018-2023) & (USD Million)
- Table 34. United States Based Manufacturers Semiconductor Cleaning Gas Production Value Market Share (2018-2023)
- Table 35. United States Based Manufacturers Semiconductor Cleaning Gas Production (2018-2023) & (Liter)
- Table 36. United States Based Manufacturers Semiconductor Cleaning Gas Production Market Share (2018-2023)
- Table 37. China Based Semiconductor Cleaning Gas Manufacturers, Headquarters and Production Site (Province, Country)
- Table 38. China Based Manufacturers Semiconductor Cleaning Gas Production Value, (2018-2023) & (USD Million)
- Table 39. China Based Manufacturers Semiconductor Cleaning Gas Production Value Market Share (2018-2023)
- Table 40. China Based Manufacturers Semiconductor Cleaning Gas Production (2018-2023) & (Liter)
- Table 41. China Based Manufacturers Semiconductor Cleaning Gas Production Market



Share (2018-2023)

Table 42. Rest of World Based Semiconductor Cleaning Gas Manufacturers,

Headquarters and Production Site (States, Country)

Table 43. Rest of World Based Manufacturers Semiconductor Cleaning Gas Production Value, (2018-2023) & (USD Million)

Table 44. Rest of World Based Manufacturers Semiconductor Cleaning Gas Production Value Market Share (2018-2023)

Table 45. Rest of World Based Manufacturers Semiconductor Cleaning Gas Production (2018-2023) & (Liter)

Table 46. Rest of World Based Manufacturers Semiconductor Cleaning Gas Production Market Share (2018-2023)

Table 47. World Semiconductor Cleaning Gas Production Value by Type, (USD Million), 2018 & 2022 & 2029

Table 48. World Semiconductor Cleaning Gas Production by Type (2018-2023) & (Liter)

Table 49. World Semiconductor Cleaning Gas Production by Type (2024-2029) & (Liter)

Table 50. World Semiconductor Cleaning Gas Production Value by Type (2018-2023) & (USD Million)

Table 51. World Semiconductor Cleaning Gas Production Value by Type (2024-2029) & (USD Million)

Table 52. World Semiconductor Cleaning Gas Average Price by Type (2018-2023) & (US\$/Liter)

Table 53. World Semiconductor Cleaning Gas Average Price by Type (2024-2029) & (US\$/Liter)

Table 54. World Semiconductor Cleaning Gas Production Value by Application, (USD Million), 2018 & 2022 & 2029

Table 55. World Semiconductor Cleaning Gas Production by Application (2018-2023) & (Liter)

Table 56. World Semiconductor Cleaning Gas Production by Application (2024-2029) & (Liter)

Table 57. World Semiconductor Cleaning Gas Production Value by Application (2018-2023) & (USD Million)

Table 58. World Semiconductor Cleaning Gas Production Value by Application (2024-2029) & (USD Million)

Table 59. World Semiconductor Cleaning Gas Average Price by Application (2018-2023) & (US\$/Liter)

Table 60. World Semiconductor Cleaning Gas Average Price by Application (2024-2029) & (US\$/Liter)

Table 61. Linde Basic Information, Manufacturing Base and Competitors

Table 62. Linde Major Business



- Table 63. Linde Semiconductor Cleaning Gas Product and Services
- Table 64. Linde Semiconductor Cleaning Gas Production (Liter), Price (US\$/Liter),

Production Value (USD Million), Gross Margin and Market Share (2018-2023)

- Table 65. Linde Recent Developments/Updates
- Table 66. Linde Competitive Strengths & Weaknesses
- Table 67. Kanto Denka Kogyo Co Basic Information, Manufacturing Base and Competitors
- Table 68. Kanto Denka Kogyo Co Major Business
- Table 69. Kanto Denka Kogyo Co Semiconductor Cleaning Gas Product and Services
- Table 70. Kanto Denka Kogyo Co Semiconductor Cleaning Gas Production (Liter), Price (US\$/Liter), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 71. Kanto Denka Kogyo Co Recent Developments/Updates
- Table 72. Kanto Denka Kogyo Co Competitive Strengths & Weaknesses
- Table 73. Chengdu Kemeite Basic Information, Manufacturing Base and Competitors
- Table 74. Chengdu Kemeite Major Business
- Table 75. Chengdu Kemeite Semiconductor Cleaning Gas Product and Services
- Table 76. Chengdu Kemeite Semiconductor Cleaning Gas Production (Liter), Price (US\$/Liter), Production Value (USD Million), Gross Margin and Market Share
- (2018-2023)
- Table 77. Chengdu Kemeite Recent Developments/Updates
- Table 78. Chengdu Kemeite Competitive Strengths & Weaknesses
- Table 79. Fujian Deer Basic Information, Manufacturing Base and Competitors
- Table 80. Fujian Deer Major Business
- Table 81. Fujian Deer Semiconductor Cleaning Gas Product and Services
- Table 82. Fujian Deer Semiconductor Cleaning Gas Production (Liter), Price
- (US\$/Liter), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 83. Fujian Deer Recent Developments/Updates
- Table 84. Fujian Deer Competitive Strengths & Weaknesses
- Table 85. Haohua Chemical Basic Information, Manufacturing Base and Competitors
- Table 86. Haohua Chemical Major Business
- Table 87. Haohua Chemical Semiconductor Cleaning Gas Product and Services
- Table 88. Haohua Chemical Semiconductor Cleaning Gas Production (Liter), Price
- (US\$/Liter), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 89. Haohua Chemical Recent Developments/Updates
- Table 90. Haohua Chemical Competitive Strengths & Weaknesses
- Table 91. Huate Gas Basic Information, Manufacturing Base and Competitors



- Table 92. Huate Gas Major Business
- Table 93. Huate Gas Semiconductor Cleaning Gas Product and Services
- Table 94. Huate Gas Semiconductor Cleaning Gas Production (Liter), Price (US\$/Liter),

Production Value (USD Million), Gross Margin and Market Share (2018-2023)

- Table 95. Huate Gas Recent Developments/Updates
- Table 96. Huate Gas Competitive Strengths & Weaknesses
- Table 97. Praxair Basic Information, Manufacturing Base and Competitors
- Table 98. Praxair Major Business
- Table 99. Praxair Semiconductor Cleaning Gas Product and Services
- Table 100. Praxair Semiconductor Cleaning Gas Production (Liter), Price (US\$/Liter),
- Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 101. Praxair Recent Developments/Updates
- Table 102. Praxair Competitive Strengths & Weaknesses
- Table 103. Air Liquide Basic Information, Manufacturing Base and Competitors
- Table 104. Air Liquide Major Business
- Table 105. Air Liquide Semiconductor Cleaning Gas Product and Services
- Table 106. Air Liquide Semiconductor Cleaning Gas Production (Liter), Price
- (US\$/Liter), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 107. Air Liquide Recent Developments/Updates
- Table 108. Air Liquide Competitive Strengths & Weaknesses
- Table 109. Air Products Basic Information, Manufacturing Base and Competitors
- Table 110. Air Products Major Business
- Table 111. Air Products Semiconductor Cleaning Gas Product and Services
- Table 112. Air Products Semiconductor Cleaning Gas Production (Liter), Price
- (US\$/Liter), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 113. Air Products Recent Developments/Updates
- Table 114. Air Products Competitive Strengths & Weaknesses
- Table 115. Taiyo Nippon Sanso Basic Information, Manufacturing Base and Competitors
- Table 116. Taiyo Nippon Sanso Major Business
- Table 117. Taiyo Nippon Sanso Semiconductor Cleaning Gas Product and Services
- Table 118. Taiyo Nippon Sanso Semiconductor Cleaning Gas Production (Liter), Price
- (US\$/Liter), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 119. Taiyo Nippon Sanso Recent Developments/Updates
- Table 120. Taiyo Nippon Sanso Competitive Strengths & Weaknesses
- Table 121. Linggas Basic Information, Manufacturing Base and Competitors



- Table 122. Linggas Major Business
- Table 123. Linggas Semiconductor Cleaning Gas Product and Services
- Table 124. Linggas Semiconductor Cleaning Gas Production (Liter), Price (US\$/Liter),
- Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 125. Linggas Recent Developments/Updates
- Table 126. Linggas Competitive Strengths & Weaknesses
- Table 127. Jinhong Gas Basic Information, Manufacturing Base and Competitors
- Table 128. Jinhong Gas Major Business
- Table 129. Jinhong Gas Semiconductor Cleaning Gas Product and Services
- Table 130. Jinhong Gas Semiconductor Cleaning Gas Production (Liter), Price
- (US\$/Liter), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 131. Jinhong Gas Recent Developments/Updates
- Table 132. Jinhong Gas Competitive Strengths & Weaknesses
- Table 133. Showa Denko Basic Information, Manufacturing Base and Competitors
- Table 134. Showa Denko Major Business
- Table 135. Showa Denko Semiconductor Cleaning Gas Product and Services
- Table 136. Showa Denko Semiconductor Cleaning Gas Production (Liter), Price
- (US\$/Liter), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 137. Showa Denko Recent Developments/Updates
- Table 138. Versum Materials Basic Information, Manufacturing Base and Competitors
- Table 139. Versum Materials Major Business
- Table 140. Versum Materials Semiconductor Cleaning Gas Product and Services
- Table 141. Versum Materials Semiconductor Cleaning Gas Production (Liter), Price
- (US\$/Liter), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 142. Global Key Players of Semiconductor Cleaning Gas Upstream (Raw Materials)
- Table 143. Semiconductor Cleaning Gas Typical Customers
- Table 144. Semiconductor Cleaning Gas Typical Distributors



# **List Of Figures**

#### LIST OF FIGURES

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



Figure 26. United States VS China: Semiconductor Cleaning Gas Production Value Market Share Comparison (2018 & 2022 & 2029)

Figure 27. United States VS China: Semiconductor Cleaning Gas Production Market Share Comparison (2018 & 2022 & 2029)

Figure 28. United States VS China: Semiconductor Cleaning Gas Consumption Market Share Comparison (2018 & 2022 & 2029)

Figure 29. United States Based Manufacturers Semiconductor Cleaning Gas Production Market Share 2022

Figure 30. China Based Manufacturers Semiconductor Cleaning Gas Production Market Share 2022

Figure 31. Rest of World Based Manufacturers Semiconductor Cleaning Gas Production Market Share 2022

Figure 32. World Semiconductor Cleaning Gas Production Value by Type, (USD Million), 2018 & 2022 & 2029

Figure 33. World Semiconductor Cleaning Gas Production Value Market Share by Type in 2022

Figure 34. Carbon Tetrafluoride

Figure 35. Hexafluoroethane

Figure 36. Carbonyl Fluoride

Figure 37. Other

Figure 38. World Semiconductor Cleaning Gas Production Market Share by Type (2018-2029)

Figure 39. World Semiconductor Cleaning Gas Production Value Market Share by Type (2018-2029)

Figure 40. World Semiconductor Cleaning Gas Average Price by Type (2018-2029) & (US\$/Liter)

Figure 41. World Semiconductor Cleaning Gas Production Value by Application, (USD Million), 2018 & 2022 & 2029

Figure 42. World Semiconductor Cleaning Gas Production Value Market Share by Application in 2022

Figure 43. Capacitor

Figure 44. Transistor

Figure 45. Other

Figure 46. World Semiconductor Cleaning Gas Production Market Share by Application (2018-2029)

Figure 47. World Semiconductor Cleaning Gas Production Value Market Share by Application (2018-2029)

Figure 48. World Semiconductor Cleaning Gas Average Price by Application (2018-2029) & (US\$/Liter)



- Figure 49. Semiconductor Cleaning Gas Industry Chain
- Figure 50. Semiconductor Cleaning Gas Procurement Model
- Figure 51. Semiconductor Cleaning Gas Sales Model
- Figure 52. Semiconductor Cleaning Gas Sales Channels, Direct Sales, and Distribution
- Figure 53. Methodology
- Figure 54. Research Process and Data Source



# I would like to order

Product name: Global Semiconductor Cleaning Gas Supply, Demand and Key Producers, 2023-2029

Product link: https://marketpublishers.com/r/G0E2DB5503E6EN.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

# **Payment**

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <a href="https://marketpublishers.com/r/G0E2DB5503E6EN.html">https://marketpublishers.com/r/G0E2DB5503E6EN.html</a>

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
	Custumer signature

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

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