

# Specialty Gases in Semiconductor Market, Global Outlook and Forecast 2022-2028

<https://marketpublishers.com/r/S1C913CBBE7EEN.html>

Date: April 2022

Pages: 114

Price: US\$ 3,250.00 (Single User License)

ID: S1C913CBBE7EEN

## Abstracts

This report contains market size and forecasts of Specialty Gases in Semiconductor in global, including the following market information:

Global Specialty Gases in Semiconductor Market Revenue, 2017-2022, 2023-2028, (\$ millions)

Global Specialty Gases in Semiconductor Market Sales, 2017-2022, 2023-2028, (Tons)

Global top five Specialty Gases in Semiconductor companies in 2021 (%)

The global Specialty Gases in Semiconductor market was valued at million in 2021 and is projected to reach US\$ million by 2028, at a CAGR of % during the forecast period 2022-2028.

The U.S. Market is Estimated at \$ Million in 2021, While China is Forecast to Reach \$ Million by 2028.

Hydrogen Segment to Reach \$ Million by 2028, with a % CAGR in next six years.

The global key manufacturers of Specialty Gases in Semiconductor include SK Materials, Versum Materials, Air Liquide, Taiyo Nippon Sanso, Praxair-Linde, Kanto Denka, Showa Denko, Air Products and Chemicals and Hyosung, etc. In 2021, the global top five players have a share approximately % in terms of revenue.

MARKET MONITOR GLOBAL, INC (MMG) has surveyed the Specialty Gases in Semiconductor manufacturers, suppliers, distributors and industry experts on this

industry, involving the sales, revenue, demand, price change, product type, recent development and plan, industry trends, drivers, challenges, obstacles, and potential risks.

Total Market by Segment:

Global Specialty Gases in Semiconductor Market, by Type, 2017-2022, 2023-2028 (\$ Millions) & (Tons)

Global Specialty Gases in Semiconductor Market Segment Percentages, by Type, 2021 (%)

Hydrogen

Nitrogen Trifluoride

Chlorine Gas

Silicon Gases

Ammonia Gas

Others

Global Specialty Gases in Semiconductor Market, by Application, 2017-2022, 2023-2028 (\$ Millions) & (Tons)

Global Specialty Gases in Semiconductor Market Segment Percentages, by Application, 2021 (%)

Chamber Clean

Oxidation

Deposition

Etching

Doping

Others

Global Specialty Gases in Semiconductor Market, By Region and Country, 2017-2022,  
2023-2028 (\$ Millions) & (Tons)

Global Specialty Gases in Semiconductor Market Segment Percentages, By Region  
and Country, 2021 (%)

North America

US

Canada

Mexico

Europe

Germany

France

U.K.

Italy

Russia

Nordic Countries

Benelux

Rest of Europe

Asia

China

Japan

South Korea

Southeast Asia

India

Rest of Asia

South America

Brazil

Argentina

Rest of South America

Middle East & Africa

Turkey

Israel

Saudi Arabia

UAE

Rest of Middle East & Africa

## Competitor Analysis

The report also provides analysis of leading market participants including:

Key companies Specialty Gases in Semiconductor revenues in global market, 2017-2022 (Estimated), (\$ millions)

Key companies Specialty Gases in Semiconductor revenues share in global market, 2021 (%)

Key companies Specialty Gases in Semiconductor sales in global market, 2017-2022 (Estimated), (Tons)

Key companies Specialty Gases in Semiconductor sales share in global market, 2021 (%)

Further, the report presents profiles of competitors in the market, key players include:

SK Materials

Versum Materials

Air Liquide

Taiyo Nippon Sanso

Praxair-Linde

Kanto Denka

Showa Denko

Air Products and Chemicals

Hyosung

Sumitomo Seika Chemicals

Central Glass

The 718th Research Institute of CSSC

Adeka

REC

Mitsui Chemical

Tokuyama

Guangdong Huate Gas

## Contents

### **1 INTRODUCTION TO RESEARCH & ANALYSIS REPORTS**

- 1.1 Specialty Gases in Semiconductor Market Definition
- 1.2 Market Segments
  - 1.2.1 Market by Type
  - 1.2.2 Market by Application
- 1.3 Global Specialty Gases in Semiconductor Market Overview
- 1.4 Features & Benefits of This Report
- 1.5 Methodology & Sources of Information
  - 1.5.1 Research Methodology
  - 1.5.2 Research Process
  - 1.5.3 Base Year
  - 1.5.4 Report Assumptions & Caveats

### **2 GLOBAL SPECIALTY GASES IN SEMICONDUCTOR OVERALL MARKET SIZE**

- 2.1 Global Specialty Gases in Semiconductor Market Size: 2021 VS 2028
- 2.2 Global Specialty Gases in Semiconductor Revenue, Prospects & Forecasts: 2017-2028
- 2.3 Global Specialty Gases in Semiconductor Sales: 2017-2028

### **3 COMPANY LANDSCAPE**

- 3.1 Top Specialty Gases in Semiconductor Players in Global Market
- 3.2 Top Global Specialty Gases in Semiconductor Companies Ranked by Revenue
- 3.3 Global Specialty Gases in Semiconductor Revenue by Companies
- 3.4 Global Specialty Gases in Semiconductor Sales by Companies
- 3.5 Global Specialty Gases in Semiconductor Price by Manufacturer (2017-2022)
- 3.6 Top 3 and Top 5 Specialty Gases in Semiconductor Companies in Global Market, by Revenue in 2021
- 3.7 Global Manufacturers Specialty Gases in Semiconductor Product Type
- 3.8 Tier 1, Tier 2 and Tier 3 Specialty Gases in Semiconductor Players in Global Market
  - 3.8.1 List of Global Tier 1 Specialty Gases in Semiconductor Companies
  - 3.8.2 List of Global Tier 2 and Tier 3 Specialty Gases in Semiconductor Companies

### **4 SIGHTS BY PRODUCT**

#### 4.1 Overview

4.1.1 By Type - Global Specialty Gases in Semiconductor Market Size Markets, 2021 & 2028

4.1.2 Hydrogen

4.1.3 Nitrogen Trifluoride

4.1.4 Chlorine Gas

4.1.5 Silicon Gases

4.1.6 Ammonia Gas

4.1.7 Others

4.2 By Type - Global Specialty Gases in Semiconductor Revenue & Forecasts

4.2.1 By Type - Global Specialty Gases in Semiconductor Revenue, 2017-2022

4.2.2 By Type - Global Specialty Gases in Semiconductor Revenue, 2023-2028

4.2.3 By Type - Global Specialty Gases in Semiconductor Revenue Market Share, 2017-2028

4.3 By Type - Global Specialty Gases in Semiconductor Sales & Forecasts

4.3.1 By Type - Global Specialty Gases in Semiconductor Sales, 2017-2022

4.3.2 By Type - Global Specialty Gases in Semiconductor Sales, 2023-2028

4.3.3 By Type - Global Specialty Gases in Semiconductor Sales Market Share, 2017-2028

4.4 By Type - Global Specialty Gases in Semiconductor Price (Manufacturers Selling Prices), 2017-2028

### **5 SIGHTS BY APPLICATION**

#### 5.1 Overview

5.1.1 By Application - Global Specialty Gases in Semiconductor Market Size, 2021 & 2028

5.1.2 Chamber Clean

5.1.3 Oxidation

5.1.4 Deposition

5.1.5 Etching

5.1.6 Doping

5.1.7 Others

5.2 By Application - Global Specialty Gases in Semiconductor Revenue & Forecasts

5.2.1 By Application - Global Specialty Gases in Semiconductor Revenue, 2017-2022

5.2.2 By Application - Global Specialty Gases in Semiconductor Revenue, 2023-2028

5.2.3 By Application - Global Specialty Gases in Semiconductor Revenue Market Share, 2017-2028

5.3 By Application - Global Specialty Gases in Semiconductor Sales & Forecasts



- 5.3.1 By Application - Global Specialty Gases in Semiconductor Sales, 2017-2022
- 5.3.2 By Application - Global Specialty Gases in Semiconductor Sales, 2023-2028
- 5.3.3 By Application - Global Specialty Gases in Semiconductor Sales Market Share, 2017-2028
- 5.4 By Application - Global Specialty Gases in Semiconductor Price (Manufacturers Selling Prices), 2017-2028

## **6 SIGHTS BY REGION**

- 6.1 By Region - Global Specialty Gases in Semiconductor Market Size, 2021 & 2028
- 6.2 By Region - Global Specialty Gases in Semiconductor Revenue & Forecasts
  - 6.2.1 By Region - Global Specialty Gases in Semiconductor Revenue, 2017-2022
  - 6.2.2 By Region - Global Specialty Gases in Semiconductor Revenue, 2023-2028
  - 6.2.3 By Region - Global Specialty Gases in Semiconductor Revenue Market Share, 2017-2028
- 6.3 By Region - Global Specialty Gases in Semiconductor Sales & Forecasts
  - 6.3.1 By Region - Global Specialty Gases in Semiconductor Sales, 2017-2022
  - 6.3.2 By Region - Global Specialty Gases in Semiconductor Sales, 2023-2028
  - 6.3.3 By Region - Global Specialty Gases in Semiconductor Sales Market Share, 2017-2028
- 6.4 North America
  - 6.4.1 By Country - North America Specialty Gases in Semiconductor Revenue, 2017-2028
  - 6.4.2 By Country - North America Specialty Gases in Semiconductor Sales, 2017-2028
  - 6.4.3 US Specialty Gases in Semiconductor Market Size, 2017-2028
  - 6.4.4 Canada Specialty Gases in Semiconductor Market Size, 2017-2028
  - 6.4.5 Mexico Specialty Gases in Semiconductor Market Size, 2017-2028
- 6.5 Europe
  - 6.5.1 By Country - Europe Specialty Gases in Semiconductor Revenue, 2017-2028
  - 6.5.2 By Country - Europe Specialty Gases in Semiconductor Sales, 2017-2028
  - 6.5.3 Germany Specialty Gases in Semiconductor Market Size, 2017-2028
  - 6.5.4 France Specialty Gases in Semiconductor Market Size, 2017-2028
  - 6.5.5 U.K. Specialty Gases in Semiconductor Market Size, 2017-2028
  - 6.5.6 Italy Specialty Gases in Semiconductor Market Size, 2017-2028
  - 6.5.7 Russia Specialty Gases in Semiconductor Market Size, 2017-2028
  - 6.5.8 Nordic Countries Specialty Gases in Semiconductor Market Size, 2017-2028
  - 6.5.9 Benelux Specialty Gases in Semiconductor Market Size, 2017-2028
- 6.6 Asia
  - 6.6.1 By Region - Asia Specialty Gases in Semiconductor Revenue, 2017-2028

- 6.6.2 By Region - Asia Specialty Gases in Semiconductor Sales, 2017-2028
- 6.6.3 China Specialty Gases in Semiconductor Market Size, 2017-2028
- 6.6.4 Japan Specialty Gases in Semiconductor Market Size, 2017-2028
- 6.6.5 South Korea Specialty Gases in Semiconductor Market Size, 2017-2028
- 6.6.6 Southeast Asia Specialty Gases in Semiconductor Market Size, 2017-2028
- 6.6.7 India Specialty Gases in Semiconductor Market Size, 2017-2028
- 6.7 South America
  - 6.7.1 By Country - South America Specialty Gases in Semiconductor Revenue, 2017-2028
  - 6.7.2 By Country - South America Specialty Gases in Semiconductor Sales, 2017-2028
  - 6.7.3 Brazil Specialty Gases in Semiconductor Market Size, 2017-2028
  - 6.7.4 Argentina Specialty Gases in Semiconductor Market Size, 2017-2028
- 6.8 Middle East & Africa
  - 6.8.1 By Country - Middle East & Africa Specialty Gases in Semiconductor Revenue, 2017-2028
  - 6.8.2 By Country - Middle East & Africa Specialty Gases in Semiconductor Sales, 2017-2028
  - 6.8.3 Turkey Specialty Gases in Semiconductor Market Size, 2017-2028
  - 6.8.4 Israel Specialty Gases in Semiconductor Market Size, 2017-2028
  - 6.8.5 Saudi Arabia Specialty Gases in Semiconductor Market Size, 2017-2028
  - 6.8.6 UAE Specialty Gases in Semiconductor Market Size, 2017-2028

## **7 MANUFACTURERS & BRANDS PROFILES**

- 7.1 SK Materials
  - 7.1.1 SK Materials Corporate Summary
  - 7.1.2 SK Materials Business Overview
  - 7.1.3 SK Materials Specialty Gases in Semiconductor Major Product Offerings
  - 7.1.4 SK Materials Specialty Gases in Semiconductor Sales and Revenue in Global (2017-2022)
  - 7.1.5 SK Materials Key News
- 7.2 Versum Materials
  - 7.2.1 Versum Materials Corporate Summary
  - 7.2.2 Versum Materials Business Overview
  - 7.2.3 Versum Materials Specialty Gases in Semiconductor Major Product Offerings
  - 7.2.4 Versum Materials Specialty Gases in Semiconductor Sales and Revenue in Global (2017-2022)
  - 7.2.5 Versum Materials Key News

### 7.3 Air Liquide

7.3.1 Air Liquide Corporate Summary

7.3.2 Air Liquide Business Overview

7.3.3 Air Liquide Specialty Gases in Semiconductor Major Product Offerings

7.3.4 Air Liquide Specialty Gases in Semiconductor Sales and Revenue in Global (2017-2022)

7.3.5 Air Liquide Key News

### 7.4 Taiyo Nippon Sanso

7.4.1 Taiyo Nippon Sanso Corporate Summary

7.4.2 Taiyo Nippon Sanso Business Overview

7.4.3 Taiyo Nippon Sanso Specialty Gases in Semiconductor Major Product Offerings

7.4.4 Taiyo Nippon Sanso Specialty Gases in Semiconductor Sales and Revenue in Global (2017-2022)

7.4.5 Taiyo Nippon Sanso Key News

### 7.5 Praxair-Linde

7.5.1 Praxair-Linde Corporate Summary

7.5.2 Praxair-Linde Business Overview

7.5.3 Praxair-Linde Specialty Gases in Semiconductor Major Product Offerings

7.5.4 Praxair-Linde Specialty Gases in Semiconductor Sales and Revenue in Global (2017-2022)

7.5.5 Praxair-Linde Key News

### 7.6 Kanto Denka

7.6.1 Kanto Denka Corporate Summary

7.6.2 Kanto Denka Business Overview

7.6.3 Kanto Denka Specialty Gases in Semiconductor Major Product Offerings

7.6.4 Kanto Denka Specialty Gases in Semiconductor Sales and Revenue in Global (2017-2022)

7.6.5 Kanto Denka Key News

### 7.7 Showa Denko

7.7.1 Showa Denko Corporate Summary

7.7.2 Showa Denko Business Overview

7.7.3 Showa Denko Specialty Gases in Semiconductor Major Product Offerings

7.7.4 Showa Denko Specialty Gases in Semiconductor Sales and Revenue in Global (2017-2022)

7.7.5 Showa Denko Key News

### 7.8 Air Products and Chemicals

7.8.1 Air Products and Chemicals Corporate Summary

7.8.2 Air Products and Chemicals Business Overview

7.8.3 Air Products and Chemicals Specialty Gases in Semiconductor Major Product

## Offerings

7.8.4 Air Products and Chemicals Specialty Gases in Semiconductor Sales and Revenue in Global (2017-2022)

7.8.5 Air Products and Chemicals Key News

## 7.9 Hyosung

7.9.1 Hyosung Corporate Summary

7.9.2 Hyosung Business Overview

7.9.3 Hyosung Specialty Gases in Semiconductor Major Product Offerings

7.9.4 Hyosung Specialty Gases in Semiconductor Sales and Revenue in Global (2017-2022)

7.9.5 Hyosung Key News

## 7.10 Sumitomo Seika Chemicals

7.10.1 Sumitomo Seika Chemicals Corporate Summary

7.10.2 Sumitomo Seika Chemicals Business Overview

7.10.3 Sumitomo Seika Chemicals Specialty Gases in Semiconductor Major Product Offerings

7.10.4 Sumitomo Seika Chemicals Specialty Gases in Semiconductor Sales and Revenue in Global (2017-2022)

7.10.5 Sumitomo Seika Chemicals Key News

## 7.11 Central Glass

7.11.1 Central Glass Corporate Summary

7.11.2 Central Glass Specialty Gases in Semiconductor Business Overview

7.11.3 Central Glass Specialty Gases in Semiconductor Major Product Offerings

7.11.4 Central Glass Specialty Gases in Semiconductor Sales and Revenue in Global (2017-2022)

7.11.5 Central Glass Key News

## 7.12 The 718th Research Institute of CSSC

7.12.1 The 718th Research Institute of CSSC Corporate Summary

7.12.2 The 718th Research Institute of CSSC Specialty Gases in Semiconductor Business Overview

7.12.3 The 718th Research Institute of CSSC Specialty Gases in Semiconductor Major Product Offerings

7.12.4 The 718th Research Institute of CSSC Specialty Gases in Semiconductor Sales and Revenue in Global (2017-2022)

7.12.5 The 718th Research Institute of CSSC Key News

## 7.13 Adeka

7.13.1 Adeka Corporate Summary

7.13.2 Adeka Specialty Gases in Semiconductor Business Overview

7.13.3 Adeka Specialty Gases in Semiconductor Major Product Offerings

7.13.4 Adeka Specialty Gases in Semiconductor Sales and Revenue in Global (2017-2022)

7.13.5 Adeka Key News

7.14 REC

7.14.1 REC Corporate Summary

7.14.2 REC Business Overview

7.14.3 REC Specialty Gases in Semiconductor Major Product Offerings

7.14.4 REC Specialty Gases in Semiconductor Sales and Revenue in Global (2017-2022)

7.14.5 REC Key News

7.15 Mitsui Chemical

7.15.1 Mitsui Chemical Corporate Summary

7.15.2 Mitsui Chemical Business Overview

7.15.3 Mitsui Chemical Specialty Gases in Semiconductor Major Product Offerings

7.15.4 Mitsui Chemical Specialty Gases in Semiconductor Sales and Revenue in Global (2017-2022)

7.15.5 Mitsui Chemical Key News

7.16 Tokuyama

7.16.1 Tokuyama Corporate Summary

7.16.2 Tokuyama Business Overview

7.16.3 Tokuyama Specialty Gases in Semiconductor Major Product Offerings

7.16.4 Tokuyama Specialty Gases in Semiconductor Sales and Revenue in Global (2017-2022)

7.16.5 Tokuyama Key News

7.17 Guangdong Huate Gas

7.17.1 Guangdong Huate Gas Corporate Summary

7.17.2 Guangdong Huate Gas Business Overview

7.17.3 Guangdong Huate Gas Specialty Gases in Semiconductor Major Product Offerings

7.17.4 Guangdong Huate Gas Specialty Gases in Semiconductor Sales and Revenue in Global (2017-2022)

7.17.5 Guangdong Huate Gas Key News

## **8 GLOBAL SPECIALTY GASES IN SEMICONDUCTOR PRODUCTION CAPACITY, ANALYSIS**

8.1 Global Specialty Gases in Semiconductor Production Capacity, 2017-2028

8.2 Specialty Gases in Semiconductor Production Capacity of Key Manufacturers in Global Market

### 8.3 Global Specialty Gases in Semiconductor Production by Region

## **9 KEY MARKET TRENDS, OPPORTUNITY, DRIVERS AND RESTRAINTS**

### 9.1 Market Opportunities & Trends

### 9.2 Market Drivers

### 9.3 Market Restraints

## **10 SPECIALTY GASES IN SEMICONDUCTOR SUPPLY CHAIN ANALYSIS**

### 10.1 Specialty Gases in Semiconductor Industry Value Chain

### 10.2 Specialty Gases in Semiconductor Upstream Market

### 10.3 Specialty Gases in Semiconductor Downstream and Clients

### 10.4 Marketing Channels Analysis

#### 10.4.1 Marketing Channels

#### 10.4.2 Specialty Gases in Semiconductor Distributors and Sales Agents in Global

## **11 CONCLUSION**

## **12 APPENDIX**

### 12.1 Note

### 12.2 Examples of Clients

### 12.3 Disclaimer

## List Of Tables

### LIST OF TABLES

- Table 1. Key Players of Specialty Gases in Semiconductor in Global Market
- Table 2. Top Specialty Gases in Semiconductor Players in Global Market, Ranking by Revenue (2021)
- Table 3. Global Specialty Gases in Semiconductor Revenue by Companies, (US\$, Mn), 2017-2022
- Table 4. Global Specialty Gases in Semiconductor Revenue Share by Companies, 2017-2022
- Table 5. Global Specialty Gases in Semiconductor Sales by Companies, (Tons), 2017-2022
- Table 6. Global Specialty Gases in Semiconductor Sales Share by Companies, 2017-2022
- Table 7. Key Manufacturers Specialty Gases in Semiconductor Price (2017-2022) & (US\$/Ton)
- Table 8. Global Manufacturers Specialty Gases in Semiconductor Product Type
- Table 9. List of Global Tier 1 Specialty Gases in Semiconductor Companies, Revenue (US\$, Mn) in 2021 and Market Share
- Table 10. List of Global Tier 2 and Tier 3 Specialty Gases in Semiconductor Companies, Revenue (US\$, Mn) in 2021 and Market Share
- Table 11. By Type – Global Specialty Gases in Semiconductor Revenue, (US\$, Mn), 2021 & 2028
- Table 12. By Type - Global Specialty Gases in Semiconductor Revenue (US\$, Mn), 2017-2022
- Table 13. By Type - Global Specialty Gases in Semiconductor Revenue (US\$, Mn), 2023-2028
- Table 14. By Type - Global Specialty Gases in Semiconductor Sales (Tons), 2017-2022
- Table 15. By Type - Global Specialty Gases in Semiconductor Sales (Tons), 2023-2028
- Table 16. By Application – Global Specialty Gases in Semiconductor Revenue, (US\$, Mn), 2021 & 2028
- Table 17. By Application - Global Specialty Gases in Semiconductor Revenue (US\$, Mn), 2017-2022
- Table 18. By Application - Global Specialty Gases in Semiconductor Revenue (US\$, Mn), 2023-2028
- Table 19. By Application - Global Specialty Gases in Semiconductor Sales (Tons), 2017-2022
- Table 20. By Application - Global Specialty Gases in Semiconductor Sales (Tons),

2023-2028

Table 21. By Region – Global Specialty Gases in Semiconductor Revenue, (US\$, Mn), 2021 VS 2028

Table 22. By Region - Global Specialty Gases in Semiconductor Revenue (US\$, Mn), 2017-2022

Table 23. By Region - Global Specialty Gases in Semiconductor Revenue (US\$, Mn), 2023-2028

Table 24. By Region - Global Specialty Gases in Semiconductor Sales (Tons), 2017-2022

Table 25. By Region - Global Specialty Gases in Semiconductor Sales (Tons), 2023-2028

Table 26. By Country - North America Specialty Gases in Semiconductor Revenue, (US\$, Mn), 2017-2022

Table 27. By Country - North America Specialty Gases in Semiconductor Revenue, (US\$, Mn), 2023-2028

Table 28. By Country - North America Specialty Gases in Semiconductor Sales, (Tons), 2017-2022

Table 29. By Country - North America Specialty Gases in Semiconductor Sales, (Tons), 2023-2028

Table 30. By Country - Europe Specialty Gases in Semiconductor Revenue, (US\$, Mn), 2017-2022

Table 31. By Country - Europe Specialty Gases in Semiconductor Revenue, (US\$, Mn), 2023-2028

Table 32. By Country - Europe Specialty Gases in Semiconductor Sales, (Tons), 2017-2022

Table 33. By Country - Europe Specialty Gases in Semiconductor Sales, (Tons), 2023-2028

Table 34. By Region - Asia Specialty Gases in Semiconductor Revenue, (US\$, Mn), 2017-2022

Table 35. By Region - Asia Specialty Gases in Semiconductor Revenue, (US\$, Mn), 2023-2028

Table 36. By Region - Asia Specialty Gases in Semiconductor Sales, (Tons), 2017-2022

Table 37. By Region - Asia Specialty Gases in Semiconductor Sales, (Tons), 2023-2028

Table 38. By Country - South America Specialty Gases in Semiconductor Revenue, (US\$, Mn), 2017-2022

Table 39. By Country - South America Specialty Gases in Semiconductor Revenue, (US\$, Mn), 2023-2028

Table 40. By Country - South America Specialty Gases in Semiconductor Sales, (Tons), 2017-2022



Table 41. By Country - South America Specialty Gases in Semiconductor Sales, (Tons), 2023-2028

Table 42. By Country - Middle East & Africa Specialty Gases in Semiconductor Revenue, (US\$, Mn), 2017-2022

Table 43. By Country - Middle East & Africa Specialty Gases in Semiconductor Revenue, (US\$, Mn), 2023-2028

Table 44. By Country - Middle East & Africa Specialty Gases in Semiconductor Sales, (Tons), 2017-2022

Table 45. By Country - Middle East & Africa Specialty Gases in Semiconductor Sales, (Tons), 2023-2028

Table 46. SK Materials Corporate Summary

Table 47. SK Materials Specialty Gases in Semiconductor Product Offerings

Table 48. SK Materials Specialty Gases in Semiconductor Sales (Tons), Revenue (US\$, Mn) and Average Price (US\$/Ton) (2017-2022)

Table 49. Versum Materials Corporate Summary

Table 50. Versum Materials Specialty Gases in Semiconductor Product Offerings

Table 51. Versum Materials Specialty Gases in Semiconductor Sales (Tons), Revenue (US\$, Mn) and Average Price (US\$/Ton) (2017-2022)

Table 52. Air Liquide Corporate Summary

Table 53. Air Liquide Specialty Gases in Semiconductor Product Offerings

Table 54. Air Liquide Specialty Gases in Semiconductor Sales (Tons), Revenue (US\$, Mn) and Average Price (US\$/Ton) (2017-2022)

Table 55. Taiyo Nippon Sanso Corporate Summary

Table 56. Taiyo Nippon Sanso Specialty Gases in Semiconductor Product Offerings

Table 57. Taiyo Nippon Sanso Specialty Gases in Semiconductor Sales (Tons), Revenue (US\$, Mn) and Average Price (US\$/Ton) (2017-2022)

Table 58. Praxair-Linde Corporate Summary

Table 59. Praxair-Linde Specialty Gases in Semiconductor Product Offerings

Table 60. Praxair-Linde Specialty Gases in Semiconductor Sales (Tons), Revenue (US\$, Mn) and Average Price (US\$/Ton) (2017-2022)

Table 61. Kanto Denka Corporate Summary

Table 62. Kanto Denka Specialty Gases in Semiconductor Product Offerings

Table 63. Kanto Denka Specialty Gases in Semiconductor Sales (Tons), Revenue (US\$, Mn) and Average Price (US\$/Ton) (2017-2022)

Table 64. Showa Denko Corporate Summary

Table 65. Showa Denko Specialty Gases in Semiconductor Product Offerings

Table 66. Showa Denko Specialty Gases in Semiconductor Sales (Tons), Revenue (US\$, Mn) and Average Price (US\$/Ton) (2017-2022)

Table 67. Air Products and Chemicals Corporate Summary

Table 68. Air Products and Chemicals Specialty Gases in Semiconductor Product Offerings

Table 69. Air Products and Chemicals Specialty Gases in Semiconductor Sales (Tons), Revenue (US\$, Mn) and Average Price (US\$/Ton) (2017-2022)

Table 70. Hyosung Corporate Summary

Table 71. Hyosung Specialty Gases in Semiconductor Product Offerings

Table 72. Hyosung Specialty Gases in Semiconductor Sales (Tons), Revenue (US\$, Mn) and Average Price (US\$/Ton) (2017-2022)

Table 73. Sumitomo Seika Chemicals Corporate Summary

Table 74. Sumitomo Seika Chemicals Specialty Gases in Semiconductor Product Offerings

Table 75. Sumitomo Seika Chemicals Specialty Gases in Semiconductor Sales (Tons), Revenue (US\$, Mn) and Average Price (US\$/Ton) (2017-2022)

Table 76. Central Glass Corporate Summary

Table 77. Central Glass Specialty Gases in Semiconductor Product Offerings

Table 78. Central Glass Specialty Gases in Semiconductor Sales (Tons), Revenue (US\$, Mn) and Average Price (US\$/Ton) (2017-2022)

Table 79. The 718th Research Institute of CSSC Corporate Summary

Table 80. The 718th Research Institute of CSSC Specialty Gases in Semiconductor Product Offerings

Table 81. The 718th Research Institute of CSSC Specialty Gases in Semiconductor Sales (Tons), Revenue (US\$, Mn) and Average Price (US\$/Ton) (2017-2022)

Table 82. Adeka Corporate Summary

Table 83. Adeka Specialty Gases in Semiconductor Product Offerings

Table 84. Adeka Specialty Gases in Semiconductor Sales (Tons), Revenue (US\$, Mn) and Average Price (US\$/Ton) (2017-2022)

Table 85. REC Corporate Summary

Table 86. REC Specialty Gases in Semiconductor Product Offerings

Table 87. REC Specialty Gases in Semiconductor Sales (Tons), Revenue (US\$, Mn) and Average Price (US\$/Ton) (2017-2022)

Table 88. Mitsui Chemical Corporate Summary

Table 89. Mitsui Chemical Specialty Gases in Semiconductor Product Offerings

Table 90. Mitsui Chemical Specialty Gases in Semiconductor Sales (Tons), Revenue (US\$, Mn) and Average Price (US\$/Ton) (2017-2022)

Table 91. Tokuyama Corporate Summary

Table 92. Tokuyama Specialty Gases in Semiconductor Product Offerings

Table 93. Tokuyama Specialty Gases in Semiconductor Sales (Tons), Revenue (US\$, Mn) and Average Price (US\$/Ton) (2017-2022)

Table 94. Guangdong Huate Gas Corporate Summary

- Table 95. Guangdong Huate Gas Specialty Gases in Semiconductor Product Offerings
- Table 96. Guangdong Huate Gas Specialty Gases in Semiconductor Sales (Tons), Revenue (US\$, Mn) and Average Price (US\$/Ton) (2017-2022)
- Table 97. Specialty Gases in Semiconductor Production Capacity (Tons) of Key Manufacturers in Global Market, 2020-2022 (Tons)
- Table 98. Global Specialty Gases in Semiconductor Capacity Market Share of Key Manufacturers, 2020-2022
- Table 99. Global Specialty Gases in Semiconductor Production by Region, 2017-2022 (Tons)
- Table 100. Global Specialty Gases in Semiconductor Production by Region, 2023-2028 (Tons)
- Table 101. Specialty Gases in Semiconductor Market Opportunities & Trends in Global Market
- Table 102. Specialty Gases in Semiconductor Market Drivers in Global Market
- Table 103. Specialty Gases in Semiconductor Market Restraints in Global Market
- Table 104. Specialty Gases in Semiconductor Raw Materials
- Table 105. Specialty Gases in Semiconductor Raw Materials Suppliers in Global Market
- Table 106. Typical Specialty Gases in Semiconductor Downstream
- Table 107. Specialty Gases in Semiconductor Downstream Clients in Global Market
- Table 108. Specialty Gases in Semiconductor Distributors and Sales Agents in Global Market

## List Of Figures

### LIST OF FIGURES

Figure 1. Specialty Gases in Semiconductor Segment by Type

Figure 2. Specialty Gases in Semiconductor Segment by Application

Figure 3. Global Specialty Gases in Semiconductor Market Overview: 2021

Figure 4. Key Caveats

Figure 5. Global Specialty Gases in Semiconductor Market Size: 2021 VS 2028 (US\$, Mn)

Figure 6. Global Specialty Gases in Semiconductor Revenue, 2017-2028 (US\$, Mn)

Figure 7. Specialty Gases in Semiconductor Sales in Global Market: 2017-2028 (Tons)

Figure 8. The Top 3 and 5 Players Market Share by Specialty Gases in Semiconductor Revenue in 2021

Figure 9. By Type - Global Specialty Gases in Semiconductor Sales Market Share, 2017-2028

Figure 10. By Type - Global Specialty Gases in Semiconductor Revenue Market Share, 2017-2028

Figure 11. By Type - Global Specialty Gases in Semiconductor Price (US\$/Ton), 2017-2028

Figure 12. By Application - Global Specialty Gases in Semiconductor Sales Market Share, 2017-2028

Figure 13. By Application - Global Specialty Gases in Semiconductor Revenue Market Share, 2017-2028

Figure 14. By Application - Global Specialty Gases in Semiconductor Price (US\$/Ton), 2017-2028

Figure 15. By Region - Global Specialty Gases in Semiconductor Sales Market Share, 2017-2028

Figure 16. By Region - Global Specialty Gases in Semiconductor Revenue Market Share, 2017-2028

Figure 17. By Country - North America Specialty Gases in Semiconductor Revenue Market Share, 2017-2028

Figure 18. By Country - North America Specialty Gases in Semiconductor Sales Market Share, 2017-2028

Figure 19. US Specialty Gases in Semiconductor Revenue, (US\$, Mn), 2017-2028

Figure 20. Canada Specialty Gases in Semiconductor Revenue, (US\$, Mn), 2017-2028

Figure 21. Mexico Specialty Gases in Semiconductor Revenue, (US\$, Mn), 2017-2028

Figure 22. By Country - Europe Specialty Gases in Semiconductor Revenue Market Share, 2017-2028

Figure 23. By Country - Europe Specialty Gases in Semiconductor Sales Market Share, 2017-2028

Figure 24. Germany Specialty Gases in Semiconductor Revenue, (US\$, Mn), 2017-2028

Figure 25. France Specialty Gases in Semiconductor Revenue, (US\$, Mn), 2017-2028

Figure 26. U.K. Specialty Gases in Semiconductor Revenue, (US\$, Mn), 2017-2028

Figure 27. Italy Specialty Gases in Semiconductor Revenue, (US\$, Mn), 2017-2028

Figure 28. Russia Specialty Gases in Semiconductor Revenue, (US\$, Mn), 2017-2028

Figure 29. Nordic Countries Specialty Gases in Semiconductor Revenue, (US\$, Mn), 2017-2028

Figure 30. Benelux Specialty Gases in Semiconductor Revenue, (US\$, Mn), 2017-2028

Figure 31. By Region - Asia Specialty Gases in Semiconductor Revenue Market Share, 2017-2028

Figure 32. By Region - Asia Specialty Gases in Semiconductor Sales Market Share, 2017-2028

Figure 33. China Specialty Gases in Semiconductor Revenue, (US\$, Mn), 2017-2028

Figure 34. Japan Specialty Gases in Semiconductor Revenue, (US\$, Mn), 2017-2028

Figure 35. South Korea Specialty Gases in Semiconductor Revenue, (US\$, Mn), 2017-2028

Figure 36. Southeast Asia Specialty Gases in Semiconductor Revenue, (US\$, Mn), 2017-2028

Figure 37. India Specialty Gases in Semiconductor Revenue, (US\$, Mn), 2017-2028

Figure 38. By Country - South America Specialty Gases in Semiconductor Revenue Market Share, 2017-2028

Figure 39. By Country - South America Specialty Gases in Semiconductor Sales Market Share, 2017-2028

Figure 40. Brazil Specialty Gases in Semiconductor Revenue, (US\$, Mn), 2017-2028

Figure 41. Argentina Specialty Gases in Semiconductor Revenue, (US\$, Mn), 2017-2028

Figure 42. By Country - Middle East & Africa Specialty Gases in Semiconductor Revenue Market Share, 2017-2028

Figure 43. By Country - Middle East & Africa Specialty Gases in Semiconductor Sales Market Share, 2017-2028

Figure 44. Turkey Specialty Gases in Semiconductor Revenue, (US\$, Mn), 2017-2028

Figure 45. Israel Specialty Gases in Semiconductor Revenue, (US\$, Mn), 2017-2028

Figure 46. Saudi Arabia Specialty Gases in Semiconductor Revenue, (US\$, Mn), 2017-2028

Figure 47. UAE Specialty Gases in Semiconductor Revenue, (US\$, Mn), 2017-2028

Figure 48. Global Specialty Gases in Semiconductor Production Capacity (Tons),

2017-2028

Figure 49. The Percentage of Production Specialty Gases in Semiconductor by Region,  
2021 VS 2028

Figure 50. Specialty Gases in Semiconductor Industry Value Chain

Figure 51. Marketing Channels

## I would like to order

Product name: Specialty Gases in Semiconductor Market, Global Outlook and Forecast 2022-2028

Product link: <https://marketpublishers.com/r/S1C913CBBE7EEN.html>

Price: US\$ 3,250.00 (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/S1C913CBBE7EEN.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