

# Global Specialty Gases in Semiconductor Market Growth 2024-2030

<https://marketpublishers.com/r/G71D362675B9EN.html>

Date: June 2024

Pages: 136

Price: US\$ 3,660.00 (Single User License)

ID: G71D362675B9EN

## Abstracts

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

According to our LPI (LP Information) latest study, the global Specialty Gases in Semiconductor market size was valued at US\$ million in 2023. With growing demand in downstream market, the Specialty Gases in Semiconductor is forecast to a readjusted size of US\$ million by 2030 with a CAGR of % during review period.

The research report highlights the growth potential of the global Specialty Gases in Semiconductor market. Specialty Gases in Semiconductor are expected to show stable growth in the future market. However, product differentiation, reducing costs, and supply chain optimization remain crucial for the widespread adoption of Specialty Gases in Semiconductor. Market players need to invest in research and development, forge strategic partnerships, and align their offerings with evolving consumer preferences to capitalize on the immense opportunities presented by the Specialty Gases in Semiconductor market.

The global market for semiconductor was estimated at US\$ 579 billion in the year 2022, is projected to US\$ 790 billion by 2029, growing at a CAGR of 6% during the forecast period. Although some major categories are still double-digit year-over-year growth in 2022, led by Analog with 20.76%, Sensor with 16.31%, and Logic with 14.46% growth, Memory declined with 12.64% year over year. The microprocessor (MPU) and microcontroller (MCU) segments will experience stagnant growth due to weak shipments and investment in notebooks, computers, and standard desktops. In the current market scenario, the growing popularity of IoT-based electronics is stimulating the need for powerful processors and controllers. Hybrid MPUs and MCUs provide real-time embedded processing and control for the topmost IoT-based applications, resulting

in significant market growth. The Analog IC segment is expected to grow gradually, while demand from the networking and communications industries is limited. Few of the emerging trends in the growing demand for Analog integrated circuits include signal conversion, automotive-specific Analog applications, and power management. They drive the growing demand for discrete power devices.

#### Key Features:

The report on Specialty Gases in Semiconductor market reflects various aspects and provide valuable insights into the industry.

**Market Size and Growth:** The research report provide an overview of the current size and growth of the Specialty Gases in Semiconductor market. It may include historical data, market segmentation by Type (e.g., Hydrogen, Nitrogen Trifluoride), and regional breakdowns.

**Market Drivers and Challenges:** The report can identify and analyse the factors driving the growth of the Specialty Gases in Semiconductor market, such as government regulations, environmental concerns, technological advancements, and changing consumer preferences. It can also highlight the challenges faced by the industry, including infrastructure limitations, range anxiety, and high upfront costs.

**Competitive Landscape:** The research report provides analysis of the competitive landscape within the Specialty Gases in Semiconductor market. It includes profiles of key players, their market share, strategies, and product offerings. The report can also highlight emerging players and their potential impact on the market.

**Technological Developments:** The research report can delve into the latest technological developments in the Specialty Gases in Semiconductor industry. This include advancements in Specialty Gases in Semiconductor technology, Specialty Gases in Semiconductor new entrants, Specialty Gases in Semiconductor new investment, and other innovations that are shaping the future of Specialty Gases in Semiconductor.

**Downstream Procumbent Preference:** The report can shed light on customer procumbent behaviour and adoption trends in the Specialty Gases in Semiconductor market. It includes factors influencing customer ' purchasing decisions, preferences for Specialty Gases in Semiconductor product.

**Government Policies and Incentives:** The research report analyse the impact of government policies and incentives on the Specialty Gases in Semiconductor market. This may include an assessment of regulatory frameworks, subsidies, tax incentives, and other measures aimed at promoting Specialty Gases in Semiconductor market. The report also evaluates the effectiveness of these policies in driving market growth.

**Environmental Impact and Sustainability:** The research report assess the environmental impact and sustainability aspects of the Specialty Gases in Semiconductor market.

**Market Forecasts and Future Outlook:** Based on the analysis conducted, the research report provide market forecasts and outlook for the Specialty Gases in Semiconductor industry. This includes projections of market size, growth rates, regional trends, and predictions on technological advancements and policy developments.

**Recommendations and Opportunities:** The report conclude with recommendations for industry stakeholders, policymakers, and investors. It highlights potential opportunities for market players to capitalize on emerging trends, overcome challenges, and contribute to the growth and development of the Specialty Gases in Semiconductor market.

**Market Segmentation:**

Specialty Gases in Semiconductor market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Segmentation by type

Hydrogen

Nitrogen Trifluoride

Chlorine Gas

Silicon Gases

Ammonia Gas

Others

## Segmentation by application

Chamber Clean

Oxidation

Deposition

Etching

Doping

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

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

## Key Questions Addressed in this Report

What is the 10-year outlook for the global Specialty Gases in Semiconductor market?

What factors are driving Specialty Gases in Semiconductor market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Specialty Gases in Semiconductor market opportunities vary by end market size?

How does Specialty Gases in Semiconductor break out type, application?

## Contents

### 1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

### 2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
  - 2.1.1 Global Specialty Gases in Semiconductor Annual Sales 2019-2030
  - 2.1.2 World Current & Future Analysis for Specialty Gases in Semiconductor by Geographic Region, 2019, 2023 & 2030
  - 2.1.3 World Current & Future Analysis for Specialty Gases in Semiconductor by Country/Region, 2019, 2023 & 2030
- 2.2 Specialty Gases in Semiconductor Segment by Type
  - 2.2.1 Hydrogen
  - 2.2.2 Nitrogen Trifluoride
  - 2.2.3 Chlorine Gas
  - 2.2.4 Silicon Gases
  - 2.2.5 Ammonia Gas
  - 2.2.6 Others
- 2.3 Specialty Gases in Semiconductor Sales by Type
  - 2.3.1 Global Specialty Gases in Semiconductor Sales Market Share by Type (2019-2024)
  - 2.3.2 Global Specialty Gases in Semiconductor Revenue and Market Share by Type (2019-2024)
  - 2.3.3 Global Specialty Gases in Semiconductor Sale Price by Type (2019-2024)
- 2.4 Specialty Gases in Semiconductor Segment by Application
  - 2.4.1 Chamber Clean
  - 2.4.2 Oxidation
  - 2.4.3 Deposition
  - 2.4.4 Etching



2.4.5 Doping

2.4.6 Others

2.5 Specialty Gases in Semiconductor Sales by Application

2.5.1 Global Specialty Gases in Semiconductor Sale Market Share by Application (2019-2024)

2.5.2 Global Specialty Gases in Semiconductor Revenue and Market Share by Application (2019-2024)

2.5.3 Global Specialty Gases in Semiconductor Sale Price by Application (2019-2024)

### **3 GLOBAL SPECIALTY GASES IN SEMICONDUCTOR BY COMPANY**

3.1 Global Specialty Gases in Semiconductor Breakdown Data by Company

3.1.1 Global Specialty Gases in Semiconductor Annual Sales by Company (2019-2024)

3.1.2 Global Specialty Gases in Semiconductor Sales Market Share by Company (2019-2024)

3.2 Global Specialty Gases in Semiconductor Annual Revenue by Company (2019-2024)

3.2.1 Global Specialty Gases in Semiconductor Revenue by Company (2019-2024)

3.2.2 Global Specialty Gases in Semiconductor Revenue Market Share by Company (2019-2024)

3.3 Global Specialty Gases in Semiconductor Sale Price by Company

3.4 Key Manufacturers Specialty Gases in Semiconductor Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Specialty Gases in Semiconductor Product Location Distribution

3.4.2 Players Specialty Gases in Semiconductor Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2019-2024)

3.6 New Products and Potential Entrants

3.7 Mergers & Acquisitions, Expansion

### **4 WORLD HISTORIC REVIEW FOR SPECIALTY GASES IN SEMICONDUCTOR BY GEOGRAPHIC REGION**

4.1 World Historic Specialty Gases in Semiconductor Market Size by Geographic Region (2019-2024)

4.1.1 Global Specialty Gases in Semiconductor Annual Sales by Geographic Region

(2019-2024)

4.1.2 Global Specialty Gases in Semiconductor Annual Revenue by Geographic Region (2019-2024)

4.2 World Historic Specialty Gases in Semiconductor Market Size by Country/Region (2019-2024)

4.2.1 Global Specialty Gases in Semiconductor Annual Sales by Country/Region (2019-2024)

4.2.2 Global Specialty Gases in Semiconductor Annual Revenue by Country/Region (2019-2024)

4.3 Americas Specialty Gases in Semiconductor Sales Growth

4.4 APAC Specialty Gases in Semiconductor Sales Growth

4.5 Europe Specialty Gases in Semiconductor Sales Growth

4.6 Middle East & Africa Specialty Gases in Semiconductor Sales Growth

## **5 AMERICAS**

5.1 Americas Specialty Gases in Semiconductor Sales by Country

5.1.1 Americas Specialty Gases in Semiconductor Sales by Country (2019-2024)

5.1.2 Americas Specialty Gases in Semiconductor Revenue by Country (2019-2024)

5.2 Americas Specialty Gases in Semiconductor Sales by Type

5.3 Americas Specialty Gases in Semiconductor Sales by Application

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

## **6 APAC**

6.1 APAC Specialty Gases in Semiconductor Sales by Region

6.1.1 APAC Specialty Gases in Semiconductor Sales by Region (2019-2024)

6.1.2 APAC Specialty Gases in Semiconductor Revenue by Region (2019-2024)

6.2 APAC Specialty Gases in Semiconductor Sales by Type

6.3 APAC Specialty Gases in Semiconductor Sales by Application

6.4 China

6.5 Japan

6.6 South Korea

6.7 Southeast Asia

6.8 India

6.9 Australia

## 6.10 China Taiwan

## **7 EUROPE**

### 7.1 Europe Specialty Gases in Semiconductor by Country

#### 7.1.1 Europe Specialty Gases in Semiconductor Sales by Country (2019-2024)

#### 7.1.2 Europe Specialty Gases in Semiconductor Revenue by Country (2019-2024)

### 7.2 Europe Specialty Gases in Semiconductor Sales by Type

### 7.3 Europe Specialty Gases in Semiconductor Sales by Application

### 7.4 Germany

### 7.5 France

### 7.6 UK

### 7.7 Italy

### 7.8 Russia

## **8 MIDDLE EAST & AFRICA**

### 8.1 Middle East & Africa Specialty Gases in Semiconductor by Country

#### 8.1.1 Middle East & Africa Specialty Gases in Semiconductor Sales by Country (2019-2024)

#### 8.1.2 Middle East & Africa Specialty Gases in Semiconductor Revenue by Country (2019-2024)

### 8.2 Middle East & Africa Specialty Gases in Semiconductor Sales by Type

### 8.3 Middle East & Africa Specialty Gases in Semiconductor Sales by Application

### 8.4 Egypt

### 8.5 South Africa

### 8.6 Israel

### 8.7 Turkey

### 8.8 GCC Countries

## **9 MARKET DRIVERS, CHALLENGES AND TRENDS**

### 9.1 Market Drivers & Growth Opportunities

### 9.2 Market Challenges & Risks

### 9.3 Industry Trends

## **10 MANUFACTURING COST STRUCTURE ANALYSIS**

### 10.1 Raw Material and Suppliers

- 10.2 Manufacturing Cost Structure Analysis of Specialty Gases in Semiconductor
- 10.3 Manufacturing Process Analysis of Specialty Gases in Semiconductor
- 10.4 Industry Chain Structure of Specialty Gases in Semiconductor

## **11 MARKETING, DISTRIBUTORS AND CUSTOMER**

- 11.1 Sales Channel
  - 11.1.1 Direct Channels
  - 11.1.2 Indirect Channels
- 11.2 Specialty Gases in Semiconductor Distributors
- 11.3 Specialty Gases in Semiconductor Customer

## **12 WORLD FORECAST REVIEW FOR SPECIALTY GASES IN SEMICONDUCTOR BY GEOGRAPHIC REGION**

- 12.1 Global Specialty Gases in Semiconductor Market Size Forecast by Region
  - 12.1.1 Global Specialty Gases in Semiconductor Forecast by Region (2025-2030)
  - 12.1.2 Global Specialty Gases in Semiconductor Annual Revenue Forecast by Region (2025-2030)
- 12.2 Americas Forecast by Country
- 12.3 APAC Forecast by Region
- 12.4 Europe Forecast by Country
- 12.5 Middle East & Africa Forecast by Country
- 12.6 Global Specialty Gases in Semiconductor Forecast by Type
- 12.7 Global Specialty Gases in Semiconductor Forecast by Application

## **13 KEY PLAYERS ANALYSIS**

- 13.1 SK Materials
  - 13.1.1 SK Materials Company Information
  - 13.1.2 SK Materials Specialty Gases in Semiconductor Product Portfolios and Specifications
  - 13.1.3 SK Materials Specialty Gases in Semiconductor Sales, Revenue, Price and Gross Margin (2019-2024)
  - 13.1.4 SK Materials Main Business Overview
  - 13.1.5 SK Materials Latest Developments
- 13.2 Versum Materials
  - 13.2.1 Versum Materials Company Information
  - 13.2.2 Versum Materials Specialty Gases in Semiconductor Product Portfolios and

## Specifications

13.2.3 Versum Materials Specialty Gases in Semiconductor Sales, Revenue, Price and Gross Margin (2019-2024)

13.2.4 Versum Materials Main Business Overview

13.2.5 Versum Materials Latest Developments

## 13.3 Air Liquide

13.3.1 Air Liquide Company Information

13.3.2 Air Liquide Specialty Gases in Semiconductor Product Portfolios and Specifications

13.3.3 Air Liquide Specialty Gases in Semiconductor Sales, Revenue, Price and Gross Margin (2019-2024)

13.3.4 Air Liquide Main Business Overview

13.3.5 Air Liquide Latest Developments

## 13.4 Taiyo Nippon Sanso

13.4.1 Taiyo Nippon Sanso Company Information

13.4.2 Taiyo Nippon Sanso Specialty Gases in Semiconductor Product Portfolios and Specifications

13.4.3 Taiyo Nippon Sanso Specialty Gases in Semiconductor Sales, Revenue, Price and Gross Margin (2019-2024)

13.4.4 Taiyo Nippon Sanso Main Business Overview

13.4.5 Taiyo Nippon Sanso Latest Developments

## 13.5 Praxair-Linde

13.5.1 Praxair-Linde Company Information

13.5.2 Praxair-Linde Specialty Gases in Semiconductor Product Portfolios and Specifications

13.5.3 Praxair-Linde Specialty Gases in Semiconductor Sales, Revenue, Price and Gross Margin (2019-2024)

13.5.4 Praxair-Linde Main Business Overview

13.5.5 Praxair-Linde Latest Developments

## 13.6 Kanto Denka

13.6.1 Kanto Denka Company Information

13.6.2 Kanto Denka Specialty Gases in Semiconductor Product Portfolios and Specifications

13.6.3 Kanto Denka Specialty Gases in Semiconductor Sales, Revenue, Price and Gross Margin (2019-2024)

13.6.4 Kanto Denka Main Business Overview

13.6.5 Kanto Denka Latest Developments

## 13.7 Showa Denko

13.7.1 Showa Denko Company Information

13.7.2 Showa Denko Specialty Gases in Semiconductor Product Portfolios and Specifications

13.7.3 Showa Denko Specialty Gases in Semiconductor Sales, Revenue, Price and Gross Margin (2019-2024)

13.7.4 Showa Denko Main Business Overview

13.7.5 Showa Denko Latest Developments

13.8 Air Products and Chemicals

13.8.1 Air Products and Chemicals Company Information

13.8.2 Air Products and Chemicals Specialty Gases in Semiconductor Product Portfolios and Specifications

13.8.3 Air Products and Chemicals Specialty Gases in Semiconductor Sales, Revenue, Price and Gross Margin (2019-2024)

13.8.4 Air Products and Chemicals Main Business Overview

13.8.5 Air Products and Chemicals Latest Developments

13.9 Hyosung

13.9.1 Hyosung Company Information

13.9.2 Hyosung Specialty Gases in Semiconductor Product Portfolios and Specifications

13.9.3 Hyosung Specialty Gases in Semiconductor Sales, Revenue, Price and Gross Margin (2019-2024)

13.9.4 Hyosung Main Business Overview

13.9.5 Hyosung Latest Developments

13.10 Sumitomo Seika Chemicals

13.10.1 Sumitomo Seika Chemicals Company Information

13.10.2 Sumitomo Seika Chemicals Specialty Gases in Semiconductor Product Portfolios and Specifications

13.10.3 Sumitomo Seika Chemicals Specialty Gases in Semiconductor Sales, Revenue, Price and Gross Margin (2019-2024)

13.10.4 Sumitomo Seika Chemicals Main Business Overview

13.10.5 Sumitomo Seika Chemicals Latest Developments

13.11 Central Glass

13.11.1 Central Glass Company Information

13.11.2 Central Glass Specialty Gases in Semiconductor Product Portfolios and Specifications

13.11.3 Central Glass Specialty Gases in Semiconductor Sales, Revenue, Price and Gross Margin (2019-2024)

13.11.4 Central Glass Main Business Overview

13.11.5 Central Glass Latest Developments

13.12 The 718th Research Institute of CSSC

- 13.12.1 The 718th Research Institute of CSSC Company Information
- 13.12.2 The 718th Research Institute of CSSC Specialty Gases in Semiconductor Product Portfolios and Specifications
- 13.12.3 The 718th Research Institute of CSSC Specialty Gases in Semiconductor Sales, Revenue, Price and Gross Margin (2019-2024)
- 13.12.4 The 718th Research Institute of CSSC Main Business Overview
- 13.12.5 The 718th Research Institute of CSSC Latest Developments
- 13.13 Adeka
  - 13.13.1 Adeka Company Information
  - 13.13.2 Adeka Specialty Gases in Semiconductor Product Portfolios and Specifications
  - 13.13.3 Adeka Specialty Gases in Semiconductor Sales, Revenue, Price and Gross Margin (2019-2024)
  - 13.13.4 Adeka Main Business Overview
  - 13.13.5 Adeka Latest Developments
- 13.14 REC
  - 13.14.1 REC Company Information
  - 13.14.2 REC Specialty Gases in Semiconductor Product Portfolios and Specifications
  - 13.14.3 REC Specialty Gases in Semiconductor Sales, Revenue, Price and Gross Margin (2019-2024)
  - 13.14.4 REC Main Business Overview
  - 13.14.5 REC Latest Developments
- 13.15 Mitsui Chemical
  - 13.15.1 Mitsui Chemical Company Information
  - 13.15.2 Mitsui Chemical Specialty Gases in Semiconductor Product Portfolios and Specifications
  - 13.15.3 Mitsui Chemical Specialty Gases in Semiconductor Sales, Revenue, Price and Gross Margin (2019-2024)
  - 13.15.4 Mitsui Chemical Main Business Overview
  - 13.15.5 Mitsui Chemical Latest Developments
- 13.16 Tokuyama
  - 13.16.1 Tokuyama Company Information
  - 13.16.2 Tokuyama Specialty Gases in Semiconductor Product Portfolios and Specifications
  - 13.16.3 Tokuyama Specialty Gases in Semiconductor Sales, Revenue, Price and Gross Margin (2019-2024)
  - 13.16.4 Tokuyama Main Business Overview
  - 13.16.5 Tokuyama Latest Developments
- 13.17 Guangdong Huate Gas

13.17.1 Guangdong Huate Gas Company Information

13.17.2 Guangdong Huate Gas Specialty Gases in Semiconductor Product Portfolios and Specifications

13.17.3 Guangdong Huate Gas Specialty Gases in Semiconductor Sales, Revenue, Price and Gross Margin (2019-2024)

13.17.4 Guangdong Huate Gas Main Business Overview

13.17.5 Guangdong Huate Gas Latest Developments

## **14 RESEARCH FINDINGS AND CONCLUSION**



## List Of Tables

### LIST OF TABLES

Table 1. Specialty Gases in Semiconductor Annual Sales CAGR by Geographic Region (2019, 2023 & 2030) & (\$ millions)

Table 2. Specialty Gases in Semiconductor Annual Sales CAGR by Country/Region (2019, 2023 & 2030) & (\$ millions)

Table 3. Major Players of Hydrogen

Table 4. Major Players of Nitrogen Trifluoride

Table 5. Major Players of Chlorine Gas

Table 6. Major Players of Silicon Gases

Table 7. Major Players of Ammonia Gas

Table 8. Major Players of Others

Table 9. Global Specialty Gases in Semiconductor Sales by Type (2019-2024) & (Tons)

Table 10. Global Specialty Gases in Semiconductor Sales Market Share by Type (2019-2024)

Table 11. Global Specialty Gases in Semiconductor Revenue by Type (2019-2024) & (\$ million)

Table 12. Global Specialty Gases in Semiconductor Revenue Market Share by Type (2019-2024)

Table 13. Global Specialty Gases in Semiconductor Sale Price by Type (2019-2024) & (US\$/Ton)

Table 14. Global Specialty Gases in Semiconductor Sales by Application (2019-2024) & (Tons)

Table 15. Global Specialty Gases in Semiconductor Sales Market Share by Application (2019-2024)

Table 16. Global Specialty Gases in Semiconductor Revenue by Application (2019-2024)

Table 17. Global Specialty Gases in Semiconductor Revenue Market Share by Application (2019-2024)

Table 18. Global Specialty Gases in Semiconductor Sale Price by Application (2019-2024) & (US\$/Ton)

Table 19. Global Specialty Gases in Semiconductor Sales by Company (2019-2024) & (Tons)

Table 20. Global Specialty Gases in Semiconductor Sales Market Share by Company (2019-2024)

Table 21. Global Specialty Gases in Semiconductor Revenue by Company (2019-2024) (\$ Millions)

Table 22. Global Specialty Gases in Semiconductor Revenue Market Share by Company (2019-2024)

Table 23. Global Specialty Gases in Semiconductor Sale Price by Company (2019-2024) & (US\$/Ton)

Table 24. Key Manufacturers Specialty Gases in Semiconductor Producing Area Distribution and Sales Area

Table 25. Players Specialty Gases in Semiconductor Products Offered

Table 26. Specialty Gases in Semiconductor Concentration Ratio (CR3, CR5 and CR10) & (2019-2024)

Table 27. New Products and Potential Entrants

Table 28. Mergers & Acquisitions, Expansion

Table 29. Global Specialty Gases in Semiconductor Sales by Geographic Region (2019-2024) & (Tons)

Table 30. Global Specialty Gases in Semiconductor Sales Market Share Geographic Region (2019-2024)

Table 31. Global Specialty Gases in Semiconductor Revenue by Geographic Region (2019-2024) & (\$ millions)

Table 32. Global Specialty Gases in Semiconductor Revenue Market Share by Geographic Region (2019-2024)

Table 33. Global Specialty Gases in Semiconductor Sales by Country/Region (2019-2024) & (Tons)

Table 34. Global Specialty Gases in Semiconductor Sales Market Share by Country/Region (2019-2024)

Table 35. Global Specialty Gases in Semiconductor Revenue by Country/Region (2019-2024) & (\$ millions)

Table 36. Global Specialty Gases in Semiconductor Revenue Market Share by Country/Region (2019-2024)

Table 37. Americas Specialty Gases in Semiconductor Sales by Country (2019-2024) & (Tons)

Table 38. Americas Specialty Gases in Semiconductor Sales Market Share by Country (2019-2024)

Table 39. Americas Specialty Gases in Semiconductor Revenue by Country (2019-2024) & (\$ Millions)

Table 40. Americas Specialty Gases in Semiconductor Revenue Market Share by Country (2019-2024)

Table 41. Americas Specialty Gases in Semiconductor Sales by Type (2019-2024) & (Tons)

Table 42. Americas Specialty Gases in Semiconductor Sales by Application (2019-2024) & (Tons)

Table 43. APAC Specialty Gases in Semiconductor Sales by Region (2019-2024) & (Tons)

Table 44. APAC Specialty Gases in Semiconductor Sales Market Share by Region (2019-2024)

Table 45. APAC Specialty Gases in Semiconductor Revenue by Region (2019-2024) & (\$ Millions)

Table 46. APAC Specialty Gases in Semiconductor Revenue Market Share by Region (2019-2024)

Table 47. APAC Specialty Gases in Semiconductor Sales by Type (2019-2024) & (Tons)

Table 48. APAC Specialty Gases in Semiconductor Sales by Application (2019-2024) & (Tons)

Table 49. Europe Specialty Gases in Semiconductor Sales by Country (2019-2024) & (Tons)

Table 50. Europe Specialty Gases in Semiconductor Sales Market Share by Country (2019-2024)

Table 51. Europe Specialty Gases in Semiconductor Revenue by Country (2019-2024) & (\$ Millions)

Table 52. Europe Specialty Gases in Semiconductor Revenue Market Share by Country (2019-2024)

Table 53. Europe Specialty Gases in Semiconductor Sales by Type (2019-2024) & (Tons)

Table 54. Europe Specialty Gases in Semiconductor Sales by Application (2019-2024) & (Tons)

Table 55. Middle East & Africa Specialty Gases in Semiconductor Sales by Country (2019-2024) & (Tons)

Table 56. Middle East & Africa Specialty Gases in Semiconductor Sales Market Share by Country (2019-2024)

Table 57. Middle East & Africa Specialty Gases in Semiconductor Revenue by Country (2019-2024) & (\$ Millions)

Table 58. Middle East & Africa Specialty Gases in Semiconductor Revenue Market Share by Country (2019-2024)

Table 59. Middle East & Africa Specialty Gases in Semiconductor Sales by Type (2019-2024) & (Tons)

Table 60. Middle East & Africa Specialty Gases in Semiconductor Sales by Application (2019-2024) & (Tons)

Table 61. Key Market Drivers & Growth Opportunities of Specialty Gases in Semiconductor

Table 62. Key Market Challenges & Risks of Specialty Gases in Semiconductor

- Table 63. Key Industry Trends of Specialty Gases in Semiconductor
- Table 64. Specialty Gases in Semiconductor Raw Material
- Table 65. Key Suppliers of Raw Materials
- Table 66. Specialty Gases in Semiconductor Distributors List
- Table 67. Specialty Gases in Semiconductor Customer List
- Table 68. Global Specialty Gases in Semiconductor Sales Forecast by Region (2025-2030) & (Tons)
- Table 69. Global Specialty Gases in Semiconductor Revenue Forecast by Region (2025-2030) & (\$ millions)
- Table 70. Americas Specialty Gases in Semiconductor Sales Forecast by Country (2025-2030) & (Tons)
- Table 71. Americas Specialty Gases in Semiconductor Revenue Forecast by Country (2025-2030) & (\$ millions)
- Table 72. APAC Specialty Gases in Semiconductor Sales Forecast by Region (2025-2030) & (Tons)
- Table 73. APAC Specialty Gases in Semiconductor Revenue Forecast by Region (2025-2030) & (\$ millions)
- Table 74. Europe Specialty Gases in Semiconductor Sales Forecast by Country (2025-2030) & (Tons)
- Table 75. Europe Specialty Gases in Semiconductor Revenue Forecast by Country (2025-2030) & (\$ millions)
- Table 76. Middle East & Africa Specialty Gases in Semiconductor Sales Forecast by Country (2025-2030) & (Tons)
- Table 77. Middle East & Africa Specialty Gases in Semiconductor Revenue Forecast by Country (2025-2030) & (\$ millions)
- Table 78. Global Specialty Gases in Semiconductor Sales Forecast by Type (2025-2030) & (Tons)
- Table 79. Global Specialty Gases in Semiconductor Revenue Forecast by Type (2025-2030) & (\$ Millions)
- Table 80. Global Specialty Gases in Semiconductor Sales Forecast by Application (2025-2030) & (Tons)
- Table 81. Global Specialty Gases in Semiconductor Revenue Forecast by Application (2025-2030) & (\$ Millions)
- Table 82. SK Materials Basic Information, Specialty Gases in Semiconductor Manufacturing Base, Sales Area and Its Competitors
- Table 83. SK Materials Specialty Gases in Semiconductor Product Portfolios and Specifications
- Table 84. SK Materials Specialty Gases in Semiconductor Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2019-2024)

Table 85. SK Materials Main Business

Table 86. SK Materials Latest Developments

Table 87. Versum Materials Basic Information, Specialty Gases in Semiconductor Manufacturing Base, Sales Area and Its Competitors

Table 88. Versum Materials Specialty Gases in Semiconductor Product Portfolios and Specifications

Table 89. Versum Materials Specialty Gases in Semiconductor Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2019-2024)

Table 90. Versum Materials Main Business

Table 91. Versum Materials Latest Developments

Table 92. Air Liquide Basic Information, Specialty Gases in Semiconductor Manufacturing Base, Sales Area and Its Competitors

Table 93. Air Liquide Specialty Gases in Semiconductor Product Portfolios and Specifications

Table 94. Air Liquide Specialty Gases in Semiconductor Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2019-2024)

Table 95. Air Liquide Main Business

Table 96. Air Liquide Latest Developments

Table 97. Taiyo Nippon Sanso Basic Information, Specialty Gases in Semiconductor Manufacturing Base, Sales Area and Its Competitors

Table 98. Taiyo Nippon Sanso Specialty Gases in Semiconductor Product Portfolios and Specifications

Table 99. Taiyo Nippon Sanso Specialty Gases in Semiconductor Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2019-2024)

Table 100. Taiyo Nippon Sanso Main Business

Table 101. Taiyo Nippon Sanso Latest Developments

Table 102. Praxair-Linde Basic Information, Specialty Gases in Semiconductor Manufacturing Base, Sales Area and Its Competitors

Table 103. Praxair-Linde Specialty Gases in Semiconductor Product Portfolios and Specifications

Table 104. Praxair-Linde Specialty Gases in Semiconductor Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2019-2024)

Table 105. Praxair-Linde Main Business

Table 106. Praxair-Linde Latest Developments

Table 107. Kanto Denka Basic Information, Specialty Gases in Semiconductor Manufacturing Base, Sales Area and Its Competitors

Table 108. Kanto Denka Specialty Gases in Semiconductor Product Portfolios and Specifications

Table 109. Kanto Denka Specialty Gases in Semiconductor Sales (Tons), Revenue (\$

Million), Price (US\$/Ton) and Gross Margin (2019-2024)

Table 110. Kanto Denka Main Business

Table 111. Kanto Denka Latest Developments

Table 112. Showa Denko Basic Information, Specialty Gases in Semiconductor Manufacturing Base, Sales Area and Its Competitors

Table 113. Showa Denko Specialty Gases in Semiconductor Product Portfolios and Specifications

Table 114. Showa Denko Specialty Gases in Semiconductor Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2019-2024)

Table 115. Showa Denko Main Business

Table 116. Showa Denko Latest Developments

Table 117. Air Products and Chemicals Basic Information, Specialty Gases in Semiconductor Manufacturing Base, Sales Area and Its Competitors

Table 118. Air Products and Chemicals Specialty Gases in Semiconductor Product Portfolios and Specifications

Table 119. Air Products and Chemicals Specialty Gases in Semiconductor Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2019-2024)

Table 120. Air Products and Chemicals Main Business

Table 121. Air Products and Chemicals Latest Developments

Table 122. Hyosung Basic Information, Specialty Gases in Semiconductor Manufacturing Base, Sales Area and Its Competitors

Table 123. Hyosung Specialty Gases in Semiconductor Product Portfolios and Specifications

Table 124. Hyosung Specialty Gases in Semiconductor Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2019-2024)

Table 125. Hyosung Main Business

Table 126. Hyosung Latest Developments

Table 127. Sumitomo Seika Chemicals Basic Information, Specialty Gases in Semiconductor Manufacturing Base, Sales Area and Its Competitors

Table 128. Sumitomo Seika Chemicals Specialty Gases in Semiconductor Product Portfolios and Specifications

Table 129. Sumitomo Seika Chemicals Specialty Gases in Semiconductor Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2019-2024)

Table 130. Sumitomo Seika Chemicals Main Business

Table 131. Sumitomo Seika Chemicals Latest Developments

Table 132. Central Glass Basic Information, Specialty Gases in Semiconductor Manufacturing Base, Sales Area and Its Competitors

Table 133. Central Glass Specialty Gases in Semiconductor Product Portfolios and Specifications

Table 134. Central Glass Specialty Gases in Semiconductor Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2019-2024)

Table 135. Central Glass Main Business

Table 136. Central Glass Latest Developments

Table 137. The 718th Research Institute of CSSC Basic Information, Specialty Gases in Semiconductor Manufacturing Base, Sales Area and Its Competitors

Table 138. The 718th Research Institute of CSSC Specialty Gases in Semiconductor Product Portfolios and Specifications

Table 139. The 718th Research Institute of CSSC Specialty Gases in Semiconductor Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2019-2024)

Table 140. The 718th Research Institute of CSSC Main Business

Table 141. The 718th Research Institute of CSSC Latest Developments

Table 142. Adeka Basic Information, Specialty Gases in Semiconductor Manufacturing Base, Sales Area and Its Competitors

Table 143. Adeka Specialty Gases in Semiconductor Product Portfolios and Specifications

Table 144. Adeka Specialty Gases in Semiconductor Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2019-2024)

Table 145. Adeka Main Business

Table 146. Adeka Latest Developments

Table 147. REC Basic Information, Specialty Gases in Semiconductor Manufacturing Base, Sales Area and Its Competitors

Table 148. REC Specialty Gases in Semiconductor Product Portfolios and Specifications

Table 149. REC Specialty Gases in Semiconductor Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2019-2024)

Table 150. REC Main Business

Table 151. REC Latest Developments

Table 152. Mitsui Chemical Basic Information, Specialty Gases in Semiconductor Manufacturing Base, Sales Area and Its Competitors

Table 153. Mitsui Chemical Specialty Gases in Semiconductor Product Portfolios and Specifications

Table 154. Mitsui Chemical Specialty Gases in Semiconductor Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2019-2024)

Table 155. Mitsui Chemical Main Business

Table 156. Mitsui Chemical Latest Developments

Table 157. Tokuyama Basic Information, Specialty Gases in Semiconductor Manufacturing Base, Sales Area and Its Competitors

Table 158. Tokuyama Specialty Gases in Semiconductor Product Portfolios and

## Specifications

Table 159. Tokuyama Specialty Gases in Semiconductor Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2019-2024)

Table 160. Tokuyama Main Business

Table 161. Tokuyama Latest Developments

Table 162. Guangdong Huate Gas Basic Information, Specialty Gases in Semiconductor Manufacturing Base, Sales Area and Its Competitors

Table 163. Guangdong Huate Gas Specialty Gases in Semiconductor Product Portfolios and Specifications

Table 164. Guangdong Huate Gas Specialty Gases in Semiconductor Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2019-2024)

Table 165. Guangdong Huate Gas Main Business

Table 166. Guangdong Huate Gas Latest Developments



## List Of Figures

### LIST OF FIGURES

- Figure 1. Picture of Specialty Gases in Semiconductor
- Figure 2. Specialty Gases in Semiconductor Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Specialty Gases in Semiconductor Sales Growth Rate 2019-2030 (Tons)
- Figure 7. Global Specialty Gases in Semiconductor Revenue Growth Rate 2019-2030 (\$ Millions)
- Figure 8. Specialty Gases in Semiconductor Sales by Region (2019, 2023 & 2030) & (\$ Millions)
- Figure 9. Product Picture of Hydrogen
- Figure 10. Product Picture of Nitrogen Trifluoride
- Figure 11. Product Picture of Chlorine Gas
- Figure 12. Product Picture of Silicon Gases
- Figure 13. Product Picture of Ammonia Gas
- Figure 14. Product Picture of Others
- Figure 15. Global Specialty Gases in Semiconductor Sales Market Share by Type in 2023
- Figure 16. Global Specialty Gases in Semiconductor Revenue Market Share by Type (2019-2024)
- Figure 17. Specialty Gases in Semiconductor Consumed in Chamber Clean
- Figure 18. Global Specialty Gases in Semiconductor Market: Chamber Clean (2019-2024) & (Tons)
- Figure 19. Specialty Gases in Semiconductor Consumed in Oxidation
- Figure 20. Global Specialty Gases in Semiconductor Market: Oxidation (2019-2024) & (Tons)
- Figure 21. Specialty Gases in Semiconductor Consumed in Deposition
- Figure 22. Global Specialty Gases in Semiconductor Market: Deposition (2019-2024) & (Tons)
- Figure 23. Specialty Gases in Semiconductor Consumed in Etching
- Figure 24. Global Specialty Gases in Semiconductor Market: Etching (2019-2024) & (Tons)
- Figure 25. Specialty Gases in Semiconductor Consumed in Doping
- Figure 26. Global Specialty Gases in Semiconductor Market: Doping (2019-2024) &

(Tons)

Figure 27. Specialty Gases in Semiconductor Consumed in Others

Figure 28. Global Specialty Gases in Semiconductor Market: Others (2019-2024) & (Tons)

Figure 29. Global Specialty Gases in Semiconductor Sales Market Share by Application (2023)

Figure 30. Global Specialty Gases in Semiconductor Revenue Market Share by Application in 2023

Figure 31. Specialty Gases in Semiconductor Sales Market by Company in 2023 (Tons)

Figure 32. Global Specialty Gases in Semiconductor Sales Market Share by Company in 2023

Figure 33. Specialty Gases in Semiconductor Revenue Market by Company in 2023 (\$ Million)

Figure 34. Global Specialty Gases in Semiconductor Revenue Market Share by Company in 2023

Figure 35. Global Specialty Gases in Semiconductor Sales Market Share by Geographic Region (2019-2024)

Figure 36. Global Specialty Gases in Semiconductor Revenue Market Share by Geographic Region in 2023

Figure 37. Americas Specialty Gases in Semiconductor Sales 2019-2024 (Tons)

Figure 38. Americas Specialty Gases in Semiconductor Revenue 2019-2024 (\$ Millions)

Figure 39. APAC Specialty Gases in Semiconductor Sales 2019-2024 (Tons)

Figure 40. APAC Specialty Gases in Semiconductor Revenue 2019-2024 (\$ Millions)

Figure 41. Europe Specialty Gases in Semiconductor Sales 2019-2024 (Tons)

Figure 42. Europe Specialty Gases in Semiconductor Revenue 2019-2024 (\$ Millions)

Figure 43. Middle East & Africa Specialty Gases in Semiconductor Sales 2019-2024 (Tons)

Figure 44. Middle East & Africa Specialty Gases in Semiconductor Revenue 2019-2024 (\$ Millions)

Figure 45. Americas Specialty Gases in Semiconductor Sales Market Share by Country in 2023

Figure 46. Americas Specialty Gases in Semiconductor Revenue Market Share by Country in 2023

Figure 47. Americas Specialty Gases in Semiconductor Sales Market Share by Type (2019-2024)

Figure 48. Americas Specialty Gases in Semiconductor Sales Market Share by Application (2019-2024)

Figure 49. United States Specialty Gases in Semiconductor Revenue Growth 2019-2024 (\$ Millions)

Figure 50. Canada Specialty Gases in Semiconductor Revenue Growth 2019-2024 (\$ Millions)

Figure 51. Mexico Specialty Gases in Semiconductor Revenue Growth 2019-2024 (\$ Millions)

Figure 52. Brazil Specialty Gases in Semiconductor Revenue Growth 2019-2024 (\$ Millions)

Figure 53. APAC Specialty Gases in Semiconductor Sales Market Share by Region in 2023

Figure 54. APAC Specialty Gases in Semiconductor Revenue Market Share by Regions in 2023

Figure 55. APAC Specialty Gases in Semiconductor Sales Market Share by Type (2019-2024)

Figure 56. APAC Specialty Gases in Semiconductor Sales Market Share by Application (2019-2024)

Figure 57. China Specialty Gases in Semiconductor Revenue Growth 2019-2024 (\$ Millions)

Figure 58. Japan Specialty Gases in Semiconductor Revenue Growth 2019-2024 (\$ Millions)

Figure 59. South Korea Specialty Gases in Semiconductor Revenue Growth 2019-2024 (\$ Millions)

Figure 60. Southeast Asia Specialty Gases in Semiconductor Revenue Growth 2019-2024 (\$ Millions)

Figure 61. India Specialty Gases in Semiconductor Revenue Growth 2019-2024 (\$ Millions)

Figure 62. Australia Specialty Gases in Semiconductor Revenue Growth 2019-2024 (\$ Millions)

Figure 63. China Taiwan Specialty Gases in Semiconductor Revenue Growth 2019-2024 (\$ Millions)

Figure 64. Europe Specialty Gases in Semiconductor Sales Market Share by Country in 2023

Figure 65. Europe Specialty Gases in Semiconductor Revenue Market Share by Country in 2023

Figure 66. Europe Specialty Gases in Semiconductor Sales Market Share by Type (2019-2024)

Figure 67. Europe Specialty Gases in Semiconductor Sales Market Share by Application (2019-2024)

Figure 68. Germany Specialty Gases in Semiconductor Revenue Growth 2019-2024 (\$ Millions)

Figure 69. France Specialty Gases in Semiconductor Revenue Growth 2019-2024 (\$

Millions)

Figure 70. UK Specialty Gases in Semiconductor Revenue Growth 2019-2024 (\$ Millions)

Figure 71. Italy Specialty Gases in Semiconductor Revenue Growth 2019-2024 (\$ Millions)

Figure 72. Russia Specialty Gases in Semiconductor Revenue Growth 2019-2024 (\$ Millions)

Figure 73. Middle East & Africa Specialty Gases in Semiconductor Sales Market Share by Country in 2023

Figure 74. Middle East & Africa Specialty Gases in Semiconductor Revenue Market Share by Country in 2023

Figure 75. Middle East & Africa Specialty Gases in Semiconductor Sales Market Share by Type (2019-2024)

Figure 76. Middle East & Africa Specialty Gases in Semiconductor Sales Market Share by Application (2019-2024)

Figure 77. Egypt Specialty Gases in Semiconductor Revenue Growth 2019-2024 (\$ Millions)

Figure 78. South Africa Specialty Gases in Semiconductor Revenue Growth 2019-2024 (\$ Millions)

Figure 79. Israel Specialty Gases in Semiconductor Revenue Growth 2019-2024 (\$ Millions)

Figure 80. Turkey Specialty Gases in Semiconductor Revenue Growth 2019-2024 (\$ Millions)

Figure 81. GCC Country Specialty Gases in Semiconductor Revenue Growth 2019-2024 (\$ Millions)

Figure 82. Manufacturing Cost Structure Analysis of Specialty Gases in Semiconductor in 2023

Figure 83. Manufacturing Process Analysis of Specialty Gases in Semiconductor

Figure 84. Industry Chain Structure of Specialty Gases in Semiconductor

Figure 85. Channels of Distribution

Figure 86. Global Specialty Gases in Semiconductor Sales Market Forecast by Region (2025-2030)

Figure 87. Global Specialty Gases in Semiconductor Revenue Market Share Forecast by Region (2025-2030)

Figure 88. Global Specialty Gases in Semiconductor Sales Market Share Forecast by Type (2025-2030)

Figure 89. Global Specialty Gases in Semiconductor Revenue Market Share Forecast by Type (2025-2030)

Figure 90. Global Specialty Gases in Semiconductor Sales Market Share Forecast by

Application (2025-2030)

Figure 91. Global Specialty Gases in Semiconductor Revenue Market Share Forecast  
by Application (2025-2030)

## I would like to order

Product name: Global Specialty Gases in Semiconductor Market Growth 2024-2030

Product link: <https://marketpublishers.com/r/G71D362675B9EN.html>

Price: US\$ 3,660.00 (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/G71D362675B9EN.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