

# Global Disilane for Semiconductor Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

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## Abstracts

According to our (Global Info Research) latest study, the global Disilane for Semiconductor market size was valued at USD million in 2022 and is forecast to a readjusted size of USD million by 2029 with a CAGR of % during review period. The influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes.

Disilane is an inorganic compound with the chemical formula of  $\text{Si}_2\text{H}_6$ . It is a colorless transparent gas at normal temperature and pressure and has a pungent odor. Ethylsilane is the key material of advanced semiconductor manufacturing process and related advanced process. Compared with the currently used silane, ethane has a higher density of the film, which can greatly improve and improve the smoothness, continuity, good doping compatibility and low deposition temperature of the deposited film, and increase the film forming rate by about 10 times, greatly improve the production efficiency and other advantages. Disilane is used in the micronization process of semiconductors, and when it is deposited to form a thin film, it can quickly form a uniform thin film at a low temperature.

This report is a detailed and comprehensive analysis for global Disilane for Semiconductor market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Purity and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2023, are provided.

### Key Features:

Global Disilane for Semiconductor market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Kg), 2018-2029

Global Disilane for Semiconductor market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Kg), 2018-2029

Global Disilane for Semiconductor market size and forecasts, by Purity and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Kg), 2018-2029

Global Disilane for Semiconductor market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/Kg), 2018-2023

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Disilane for Semiconductor

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Disilane for Semiconductor 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 Mitsui Chemicals, Inc., Air Liquide Electronics, Taiwan Speciality Chemicals Corporation, SK Specialty and Matheson, etc.

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

### Market Segmentation

Disilane for Semiconductor market is split by Purity and by Application. For the period 2018-2029, the growth among segments provides accurate calculations and forecasts

for consumption value by Purity, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

#### Market segment by Purity

6N

7N

Other

#### Market segment by Application

Semiconductor Epitaxy Process

Semiconductor Diffusion Process

#### Major players covered

Mitsui Chemicals, Inc.

Air Liquide Electronics

Taiwan Speciality Chemicals Corporation

SK Specialty

Matheson

REC Silicon

Anhui Argosun New Electronic Materials Co., Ltd.

Guangdong Huate Gas

Spectrum Materials Corporation Limited.

Xunding Semiconductor Material Technology

Baoding North Special Gases Co,ltd

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Disilane for Semiconductor product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Disilane for Semiconductor, with price, sales, revenue and global market share of Disilane for Semiconductor from 2018 to 2023.

Chapter 3, the Disilane for Semiconductor competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Disilane for Semiconductor breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Purity and application, with sales market share and growth rate by purity, application, from 2018 to 2029.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2022. and Disilane for Semiconductor market forecast, by regions, purity and application, with sales and revenue, from 2024 to 2029.

Chapter 12, market dynamics, drivers, restraints, trends, Porters Five Forces analysis, and Influence of COVID-19 and Russia-Ukraine War.

Chapter 13, the key raw materials and key suppliers, and industry chain of Disilane for Semiconductor.

Chapter 14 and 15, to describe Disilane for Semiconductor sales channel, distributors, customers, research findings and conclusion.

## Contents

### 1 MARKET OVERVIEW

- 1.1 Product Overview and Scope of Disilane for Semiconductor
- 1.2 Market Estimation Caveats and Base Year
- 1.3 Market Analysis by Purity
  - 1.3.1 Overview: Global Disilane for Semiconductor Consumption Value by Purity: 2018 Versus 2022 Versus 2029
  - 1.3.2 6N
  - 1.3.3 7N
  - 1.3.4 Other
- 1.4 Market Analysis by Application
  - 1.4.1 Overview: Global Disilane for Semiconductor Consumption Value by Application: 2018 Versus 2022 Versus 2029
  - 1.4.2 Semiconductor Epitaxy Process
  - 1.4.3 Semiconductor Diffusion Process
- 1.5 Global Disilane for Semiconductor Market Size & Forecast
  - 1.5.1 Global Disilane for Semiconductor Consumption Value (2018 & 2022 & 2029)
  - 1.5.2 Global Disilane for Semiconductor Sales Quantity (2018-2029)
  - 1.5.3 Global Disilane for Semiconductor Average Price (2018-2029)

### 2 MANUFACTURERS PROFILES

- 2.1 Mitsui Chemicals, Inc.
  - 2.1.1 Mitsui Chemicals, Inc. Details
  - 2.1.2 Mitsui Chemicals, Inc. Major Business
  - 2.1.3 Mitsui Chemicals, Inc. Disilane for Semiconductor Product and Services
  - 2.1.4 Mitsui Chemicals, Inc. Disilane for Semiconductor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
  - 2.1.5 Mitsui Chemicals, Inc. Recent Developments/Updates
- 2.2 Air Liquide Electronics
  - 2.2.1 Air Liquide Electronics Details
  - 2.2.2 Air Liquide Electronics Major Business
  - 2.2.3 Air Liquide Electronics Disilane for Semiconductor Product and Services
  - 2.2.4 Air Liquide Electronics Disilane for Semiconductor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
  - 2.2.5 Air Liquide Electronics Recent Developments/Updates
- 2.3 Taiwan Speciality Chemicals Corporation

- 2.3.1 Taiwan Speciality Chemicals Corporation Details
- 2.3.2 Taiwan Speciality Chemicals Corporation Major Business
- 2.3.3 Taiwan Speciality Chemicals Corporation Disilane for Semiconductor Product and Services
- 2.3.4 Taiwan Speciality Chemicals Corporation Disilane for Semiconductor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
- 2.3.5 Taiwan Speciality Chemicals Corporation Recent Developments/Updates
- 2.4 SK Specialty
  - 2.4.1 SK Specialty Details
  - 2.4.2 SK Specialty Major Business
  - 2.4.3 SK Specialty Disilane for Semiconductor Product and Services
  - 2.4.4 SK Specialty Disilane for Semiconductor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
  - 2.4.5 SK Specialty Recent Developments/Updates
- 2.5 Matheson
  - 2.5.1 Matheson Details
  - 2.5.2 Matheson Major Business
  - 2.5.3 Matheson Disilane for Semiconductor Product and Services
  - 2.5.4 Matheson Disilane for Semiconductor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
  - 2.5.5 Matheson Recent Developments/Updates
- 2.6 REC Silicon
  - 2.6.1 REC Silicon Details
  - 2.6.2 REC Silicon Major Business
  - 2.6.3 REC Silicon Disilane for Semiconductor Product and Services
  - 2.6.4 REC Silicon Disilane for Semiconductor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
  - 2.6.5 REC Silicon Recent Developments/Updates
- 2.7 Anhui Argosun New Electronic Materials Co., Ltd.
  - 2.7.1 Anhui Argosun New Electronic Materials Co., Ltd. Details
  - 2.7.2 Anhui Argosun New Electronic Materials Co., Ltd. Major Business
  - 2.7.3 Anhui Argosun New Electronic Materials Co., Ltd. Disilane for Semiconductor Product and Services
  - 2.7.4 Anhui Argosun New Electronic Materials Co., Ltd. Disilane for Semiconductor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
  - 2.7.5 Anhui Argosun New Electronic Materials Co., Ltd. Recent Developments/Updates
- 2.8 Guangdong Huate Gas
  - 2.8.1 Guangdong Huate Gas Details



- 2.8.2 Guangdong Huate Gas Major Business
- 2.8.3 Guangdong Huate Gas Disilane for Semiconductor Product and Services
- 2.8.4 Guangdong Huate Gas Disilane for Semiconductor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
- 2.8.5 Guangdong Huate Gas Recent Developments/Updates
- 2.9 Spectrum Materials Corporation Limited.
  - 2.9.1 Spectrum Materials Corporation Limited. Details
  - 2.9.2 Spectrum Materials Corporation Limited. Major Business
  - 2.9.3 Spectrum Materials Corporation Limited. Disilane for Semiconductor Product and Services
  - 2.9.4 Spectrum Materials Corporation Limited. Disilane for Semiconductor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
  - 2.9.5 Spectrum Materials Corporation Limited. Recent Developments/Updates
- 2.10 Xunding Semiconductor Material Technology
  - 2.10.1 Xunding Semiconductor Material Technology Details
  - 2.10.2 Xunding Semiconductor Material Technology Major Business
  - 2.10.3 Xunding Semiconductor Material Technology Disilane for Semiconductor Product and Services
  - 2.10.4 Xunding Semiconductor Material Technology Disilane for Semiconductor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
  - 2.10.5 Xunding Semiconductor Material Technology Recent Developments/Updates
- 2.11 Baoding North Special Gases Co.,Ltd
  - 2.11.1 Baoding North Special Gases Co.,Ltd Details
  - 2.11.2 Baoding North Special Gases Co.,Ltd Major Business
  - 2.11.3 Baoding North Special Gases Co.,Ltd Disilane for Semiconductor Product and Services
  - 2.11.4 Baoding North Special Gases Co.,Ltd Disilane for Semiconductor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
  - 2.11.5 Baoding North Special Gases Co.,Ltd Recent Developments/Updates

### **3 COMPETITIVE ENVIRONMENT: DISILANE FOR SEMICONDUCTOR BY MANUFACTURER**

- 3.1 Global Disilane for Semiconductor Sales Quantity by Manufacturer (2018-2023)
- 3.2 Global Disilane for Semiconductor Revenue by Manufacturer (2018-2023)
- 3.3 Global Disilane for Semiconductor Average Price by Manufacturer (2018-2023)
- 3.4 Market Share Analysis (2022)
  - 3.4.1 Producer Shipments of Disilane for Semiconductor by Manufacturer Revenue (\$MM) and Market Share (%): 2022



- 3.4.2 Top 3 Disilane for Semiconductor Manufacturer Market Share in 2022
- 3.4.2 Top 6 Disilane for Semiconductor Manufacturer Market Share in 2022
- 3.5 Disilane for Semiconductor Market: Overall Company Footprint Analysis
  - 3.5.1 Disilane for Semiconductor Market: Region Footprint
  - 3.5.2 Disilane for Semiconductor Market: Company Product Type Footprint
  - 3.5.3 Disilane for Semiconductor Market: Company Product Application Footprint
- 3.6 New Market Entrants and Barriers to Market Entry
- 3.7 Mergers, Acquisition, Agreements, and Collaborations

## **4 CONSUMPTION ANALYSIS BY REGION**

- 4.1 Global Disilane for Semiconductor Market Size by Region
  - 4.1.1 Global Disilane for Semiconductor Sales Quantity by Region (2018-2029)
  - 4.1.2 Global Disilane for Semiconductor Consumption Value by Region (2018-2029)
  - 4.1.3 Global Disilane for Semiconductor Average Price by Region (2018-2029)
- 4.2 North America Disilane for Semiconductor Consumption Value (2018-2029)
- 4.3 Europe Disilane for Semiconductor Consumption Value (2018-2029)
- 4.4 Asia-Pacific Disilane for Semiconductor Consumption Value (2018-2029)
- 4.5 South America Disilane for Semiconductor Consumption Value (2018-2029)
- 4.6 Middle East and Africa Disilane for Semiconductor Consumption Value (2018-2029)

## **5 MARKET SEGMENT BY PURITY**

- 5.1 Global Disilane for Semiconductor Sales Quantity by Purity (2018-2029)
- 5.2 Global Disilane for Semiconductor Consumption Value by Purity (2018-2029)
- 5.3 Global Disilane for Semiconductor Average Price by Purity (2018-2029)

## **6 MARKET SEGMENT BY APPLICATION**

- 6.1 Global Disilane for Semiconductor Sales Quantity by Application (2018-2029)
- 6.2 Global Disilane for Semiconductor Consumption Value by Application (2018-2029)
- 6.3 Global Disilane for Semiconductor Average Price by Application (2018-2029)

## **7 NORTH AMERICA**

- 7.1 North America Disilane for Semiconductor Sales Quantity by Purity (2018-2029)
- 7.2 North America Disilane for Semiconductor Sales Quantity by Application (2018-2029)
- 7.3 North America Disilane for Semiconductor Market Size by Country

7.3.1 North America Disilane for Semiconductor Sales Quantity by Country (2018-2029)

7.3.2 North America Disilane for Semiconductor Consumption Value by Country (2018-2029)

7.3.3 United States Market Size and Forecast (2018-2029)

7.3.4 Canada Market Size and Forecast (2018-2029)

7.3.5 Mexico Market Size and Forecast (2018-2029)

## **8 EUROPE**

8.1 Europe Disilane for Semiconductor Sales Quantity by Purity (2018-2029)

8.2 Europe Disilane for Semiconductor Sales Quantity by Application (2018-2029)

8.3 Europe Disilane for Semiconductor Market Size by Country

8.3.1 Europe Disilane for Semiconductor Sales Quantity by Country (2018-2029)

8.3.2 Europe Disilane for Semiconductor Consumption Value by Country (2018-2029)

8.3.3 Germany Market Size and Forecast (2018-2029)

8.3.4 France Market Size and Forecast (2018-2029)

8.3.5 United Kingdom Market Size and Forecast (2018-2029)

8.3.6 Russia Market Size and Forecast (2018-2029)

8.3.7 Italy Market Size and Forecast (2018-2029)

## **9 ASIA-PACIFIC**

9.1 Asia-Pacific Disilane for Semiconductor Sales Quantity by Purity (2018-2029)

9.2 Asia-Pacific Disilane for Semiconductor Sales Quantity by Application (2018-2029)

9.3 Asia-Pacific Disilane for Semiconductor Market Size by Region

9.3.1 Asia-Pacific Disilane for Semiconductor Sales Quantity by Region (2018-2029)

9.3.2 Asia-Pacific Disilane for Semiconductor Consumption Value by Region (2018-2029)

9.3.3 China Market Size and Forecast (2018-2029)

9.3.4 Japan Market Size and Forecast (2018-2029)

9.3.5 Korea Market Size and Forecast (2018-2029)

9.3.6 India Market Size and Forecast (2018-2029)

9.3.7 Southeast Asia Market Size and Forecast (2018-2029)

9.3.8 Australia Market Size and Forecast (2018-2029)

## **10 SOUTH AMERICA**

10.1 South America Disilane for Semiconductor Sales Quantity by Purity (2018-2029)

10.2 South America Disilane for Semiconductor Sales Quantity by Application (2018-2029)

10.3 South America Disilane for Semiconductor Market Size by Country

10.3.1 South America Disilane for Semiconductor Sales Quantity by Country (2018-2029)

10.3.2 South America Disilane for Semiconductor Consumption Value by Country (2018-2029)

10.3.3 Brazil Market Size and Forecast (2018-2029)

10.3.4 Argentina Market Size and Forecast (2018-2029)

## **11 MIDDLE EAST & AFRICA**

11.1 Middle East & Africa Disilane for Semiconductor Sales Quantity by Purity (2018-2029)

11.2 Middle East & Africa Disilane for Semiconductor Sales Quantity by Application (2018-2029)

11.3 Middle East & Africa Disilane for Semiconductor Market Size by Country

11.3.1 Middle East & Africa Disilane for Semiconductor Sales Quantity by Country (2018-2029)

11.3.2 Middle East & Africa Disilane for Semiconductor Consumption Value by Country (2018-2029)

11.3.3 Turkey Market Size and Forecast (2018-2029)

11.3.4 Egypt Market Size and Forecast (2018-2029)

11.3.5 Saudi Arabia Market Size and Forecast (2018-2029)

11.3.6 South Africa Market Size and Forecast (2018-2029)

## **12 MARKET DYNAMICS**

12.1 Disilane for Semiconductor Market Drivers

12.2 Disilane for Semiconductor Market Restraints

12.3 Disilane for Semiconductor Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

12.5 Influence of COVID-19 and Russia-Ukraine War

12.5.1 Influence of COVID-19

12.5.2 Influence of Russia-Ukraine War

## **13 RAW MATERIAL AND INDUSTRY CHAIN**

13.1 Raw Material of Disilane for Semiconductor and Key Manufacturers

13.2 Manufacturing Costs Percentage of Disilane for Semiconductor

13.3 Disilane for Semiconductor Production Process

13.4 Disilane for Semiconductor Industrial Chain

## **14 SHIPMENTS BY DISTRIBUTION CHANNEL**

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 Disilane for Semiconductor Typical Distributors

14.3 Disilane for Semiconductor Typical Customers

## **15 RESEARCH FINDINGS AND CONCLUSION**

## **16 APPENDIX**

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. Global Disilane for Semiconductor Consumption Value by Purity, (USD Million), 2018 & 2022 & 2029

Table 2. Global Disilane for Semiconductor Consumption Value by Application, (USD Million), 2018 & 2022 & 2029

Table 3. Mitsui Chemicals, Inc. Basic Information, Manufacturing Base and Competitors

Table 4. Mitsui Chemicals, Inc. Major Business

Table 5. Mitsui Chemicals, Inc. Disilane for Semiconductor Product and Services

Table 6. Mitsui Chemicals, Inc. Disilane for Semiconductor Sales Quantity (Tons), Average Price (US\$/Kg), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 7. Mitsui Chemicals, Inc. Recent Developments/Updates

Table 8. Air Liquide Electronics Basic Information, Manufacturing Base and Competitors

Table 9. Air Liquide Electronics Major Business

Table 10. Air Liquide Electronics Disilane for Semiconductor Product and Services

Table 11. Air Liquide Electronics Disilane for Semiconductor Sales Quantity (Tons), Average Price (US\$/Kg), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 12. Air Liquide Electronics Recent Developments/Updates

Table 13. Taiwan Speciality Chemicals Corporation Basic Information, Manufacturing Base and Competitors

Table 14. Taiwan Speciality Chemicals Corporation Major Business

Table 15. Taiwan Speciality Chemicals Corporation Disilane for Semiconductor Product and Services

Table 16. Taiwan Speciality Chemicals Corporation Disilane for Semiconductor Sales Quantity (Tons), Average Price (US\$/Kg), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 17. Taiwan Speciality Chemicals Corporation Recent Developments/Updates

Table 18. SK Specialty Basic Information, Manufacturing Base and Competitors

Table 19. SK Specialty Major Business

Table 20. SK Specialty Disilane for Semiconductor Product and Services

Table 21. SK Specialty Disilane for Semiconductor Sales Quantity (Tons), Average Price (US\$/Kg), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 22. SK Specialty Recent Developments/Updates

Table 23. Matheson Basic Information, Manufacturing Base and Competitors

Table 24. Matheson Major Business

- Table 25. Matheson Disilane for Semiconductor Product and Services
- Table 26. Matheson Disilane for Semiconductor Sales Quantity (Tons), Average Price (US\$/Kg), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 27. Matheson Recent Developments/Updates
- Table 28. REC Silicon Basic Information, Manufacturing Base and Competitors
- Table 29. REC Silicon Major Business
- Table 30. REC Silicon Disilane for Semiconductor Product and Services
- Table 31. REC Silicon Disilane for Semiconductor Sales Quantity (Tons), Average Price (US\$/Kg), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 32. REC Silicon Recent Developments/Updates
- Table 33. Anhui Argosun New Electronic Materials Co., Ltd. Basic Information, Manufacturing Base and Competitors
- Table 34. Anhui Argosun New Electronic Materials Co., Ltd. Major Business
- Table 35. Anhui Argosun New Electronic Materials Co., Ltd. Disilane for Semiconductor Product and Services
- Table 36. Anhui Argosun New Electronic Materials Co., Ltd. Disilane for Semiconductor Sales Quantity (Tons), Average Price (US\$/Kg), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 37. Anhui Argosun New Electronic Materials Co., Ltd. Recent Developments/Updates
- Table 38. Guangdong Huate Gas Basic Information, Manufacturing Base and Competitors
- Table 39. Guangdong Huate Gas Major Business
- Table 40. Guangdong Huate Gas Disilane for Semiconductor Product and Services
- Table 41. Guangdong Huate Gas Disilane for Semiconductor Sales Quantity (Tons), Average Price (US\$/Kg), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 42. Guangdong Huate Gas Recent Developments/Updates
- Table 43. Spectrum Materials Corporation Limited. Basic Information, Manufacturing Base and Competitors
- Table 44. Spectrum Materials Corporation Limited. Major Business
- Table 45. Spectrum Materials Corporation Limited. Disilane for Semiconductor Product and Services
- Table 46. Spectrum Materials Corporation Limited. Disilane for Semiconductor Sales Quantity (Tons), Average Price (US\$/Kg), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 47. Spectrum Materials Corporation Limited. Recent Developments/Updates
- Table 48. Xunding Semiconductor Material Technology Basic Information, Manufacturing Base and Competitors



Table 49. Xunding Semiconductor Material Technology Major Business

Table 50. Xunding Semiconductor Material Technology Disilane for Semiconductor Product and Services

Table 51. Xunding Semiconductor Material Technology Disilane for Semiconductor Sales Quantity (Tons), Average Price (US\$/Kg), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 52. Xunding Semiconductor Material Technology Recent Developments/Updates

Table 53. Baoding North Special Gases Co,ltd Basic Information, Manufacturing Base and Competitors

Table 54. Baoding North Special Gases Co,ltd Major Business

Table 55. Baoding North Special Gases Co,ltd Disilane for Semiconductor Product and Services

Table 56. Baoding North Special Gases Co,ltd Disilane for Semiconductor Sales Quantity (Tons), Average Price (US\$/Kg), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 57. Baoding North Special Gases Co,ltd Recent Developments/Updates

Table 58. Global Disilane for Semiconductor Sales Quantity by Manufacturer (2018-2023) & (Tons)

Table 59. Global Disilane for Semiconductor Revenue by Manufacturer (2018-2023) & (USD Million)

Table 60. Global Disilane for Semiconductor Average Price by Manufacturer (2018-2023) & (US\$/Kg)

Table 61. Market Position of Manufacturers in Disilane for Semiconductor, (Tier 1, Tier 2, and Tier 3), Based on Consumption Value in 2022

Table 62. Head Office and Disilane for Semiconductor Production Site of Key Manufacturer

Table 63. Disilane for Semiconductor Market: Company Product Type Footprint

Table 64. Disilane for Semiconductor Market: Company Product Application Footprint

Table 65. Disilane for Semiconductor New Market Entrants and Barriers to Market Entry

Table 66. Disilane for Semiconductor Mergers, Acquisition, Agreements, and Collaborations

Table 67. Global Disilane for Semiconductor Sales Quantity by Region (2018-2023) & (Tons)

Table 68. Global Disilane for Semiconductor Sales Quantity by Region (2024-2029) & (Tons)

Table 69. Global Disilane for Semiconductor Consumption Value by Region (2018-2023) & (USD Million)

Table 70. Global Disilane for Semiconductor Consumption Value by Region (2024-2029) & (USD Million)



Table 71. Global Disilane for Semiconductor Average Price by Region (2018-2023) & (US\$/Kg)

Table 72. Global Disilane for Semiconductor Average Price by Region (2024-2029) & (US\$/Kg)

Table 73. Global Disilane for Semiconductor Sales Quantity by Purity (2018-2023) & (Tons)

Table 74. Global Disilane for Semiconductor Sales Quantity by Purity (2024-2029) & (Tons)

Table 75. Global Disilane for Semiconductor Consumption Value by Purity (2018-2023) & (USD Million)

Table 76. Global Disilane for Semiconductor Consumption Value by Purity (2024-2029) & (USD Million)

Table 77. Global Disilane for Semiconductor Average Price by Purity (2018-2023) & (US\$/Kg)

Table 78. Global Disilane for Semiconductor Average Price by Purity (2024-2029) & (US\$/Kg)

Table 79. Global Disilane for Semiconductor Sales Quantity by Application (2018-2023) & (Tons)

Table 80. Global Disilane for Semiconductor Sales Quantity by Application (2024-2029) & (Tons)

Table 81. Global Disilane for Semiconductor Consumption Value by Application (2018-2023) & (USD Million)

Table 82. Global Disilane for Semiconductor Consumption Value by Application (2024-2029) & (USD Million)

Table 83. Global Disilane for Semiconductor Average Price by Application (2018-2023) & (US\$/Kg)

Table 84. Global Disilane for Semiconductor Average Price by Application (2024-2029) & (US\$/Kg)

Table 85. North America Disilane for Semiconductor Sales Quantity by Purity (2018-2023) & (Tons)

Table 86. North America Disilane for Semiconductor Sales Quantity by Purity (2024-2029) & (Tons)

Table 87. North America Disilane for Semiconductor Sales Quantity by Application (2018-2023) & (Tons)

Table 88. North America Disilane for Semiconductor Sales Quantity by Application (2024-2029) & (Tons)

Table 89. North America Disilane for Semiconductor Sales Quantity by Country (2018-2023) & (Tons)

Table 90. North America Disilane for Semiconductor Sales Quantity by Country

(2024-2029) & (Tons)

Table 91. North America Disilane for Semiconductor Consumption Value by Country (2018-2023) & (USD Million)

Table 92. North America Disilane for Semiconductor Consumption Value by Country (2024-2029) & (USD Million)

Table 93. Europe Disilane for Semiconductor Sales Quantity by Purity (2018-2023) & (Tons)

Table 94. Europe Disilane for Semiconductor Sales Quantity by Purity (2024-2029) & (Tons)

Table 95. Europe Disilane for Semiconductor Sales Quantity by Application (2018-2023) & (Tons)

Table 96. Europe Disilane for Semiconductor Sales Quantity by Application (2024-2029) & (Tons)

Table 97. Europe Disilane for Semiconductor Sales Quantity by Country (2018-2023) & (Tons)

Table 98. Europe Disilane for Semiconductor Sales Quantity by Country (2024-2029) & (Tons)

Table 99. Europe Disilane for Semiconductor Consumption Value by Country (2018-2023) & (USD Million)

Table 100. Europe Disilane for Semiconductor Consumption Value by Country (2024-2029) & (USD Million)

Table 101. Asia-Pacific Disilane for Semiconductor Sales Quantity by Purity (2018-2023) & (Tons)

Table 102. Asia-Pacific Disilane for Semiconductor Sales Quantity by Purity (2024-2029) & (Tons)

Table 103. Asia-Pacific Disilane for Semiconductor Sales Quantity by Application (2018-2023) & (Tons)

Table 104. Asia-Pacific Disilane for Semiconductor Sales Quantity by Application (2024-2029) & (Tons)

Table 105. Asia-Pacific Disilane for Semiconductor Sales Quantity by Region (2018-2023) & (Tons)

Table 106. Asia-Pacific Disilane for Semiconductor Sales Quantity by Region (2024-2029) & (Tons)

Table 107. Asia-Pacific Disilane for Semiconductor Consumption Value by Region (2018-2023) & (USD Million)

Table 108. Asia-Pacific Disilane for Semiconductor Consumption Value by Region (2024-2029) & (USD Million)

Table 109. South America Disilane for Semiconductor Sales Quantity by Purity (2018-2023) & (Tons)

Table 110. South America Disilane for Semiconductor Sales Quantity by Purity (2024-2029) & (Tons)

Table 111. South America Disilane for Semiconductor Sales Quantity by Application (2018-2023) & (Tons)

Table 112. South America Disilane for Semiconductor Sales Quantity by Application (2024-2029) & (Tons)

Table 113. South America Disilane for Semiconductor Sales Quantity by Country (2018-2023) & (Tons)

Table 114. South America Disilane for Semiconductor Sales Quantity by Country (2024-2029) & (Tons)

Table 115. South America Disilane for Semiconductor Consumption Value by Country (2018-2023) & (USD Million)

Table 116. South America Disilane for Semiconductor Consumption Value by Country (2024-2029) & (USD Million)

Table 117. Middle East & Africa Disilane for Semiconductor Sales Quantity by Purity (2018-2023) & (Tons)

Table 118. Middle East & Africa Disilane for Semiconductor Sales Quantity by Purity (2024-2029) & (Tons)

Table 119. Middle East & Africa Disilane for Semiconductor Sales Quantity by Application (2018-2023) & (Tons)

Table 120. Middle East & Africa Disilane for Semiconductor Sales Quantity by Application (2024-2029) & (Tons)

Table 121. Middle East & Africa Disilane for Semiconductor Sales Quantity by Region (2018-2023) & (Tons)

Table 122. Middle East & Africa Disilane for Semiconductor Sales Quantity by Region (2024-2029) & (Tons)

Table 123. Middle East & Africa Disilane for Semiconductor Consumption Value by Region (2018-2023) & (USD Million)

Table 124. Middle East & Africa Disilane for Semiconductor Consumption Value by Region (2024-2029) & (USD Million)

Table 125. Disilane for Semiconductor Raw Material

Table 126. Key Manufacturers of Disilane for Semiconductor Raw Materials

Table 127. Disilane for Semiconductor Typical Distributors

Table 128. Disilane for Semiconductor Typical Customers

## List Of Figures

### LIST OF FIGURES

s

Figure 1. Disilane for Semiconductor Picture

Figure 2. Global Disilane for Semiconductor Consumption Value by Purity, (USD Million), 2018 & 2022 & 2029

Figure 3. Global Disilane for Semiconductor Consumption Value Market Share by Purity in 2022

Figure 4. 6N Examples

Figure 5. 7N Examples

Figure 6. Other Examples

Figure 7. Global Disilane for Semiconductor Consumption Value by Application, (USD Million), 2018 & 2022 & 2029

Figure 8. Global Disilane for Semiconductor Consumption Value Market Share by Application in 2022

Figure 9. Semiconductor Epitaxy Process Examples

Figure 10. Semiconductor Diffusion Process Examples

Figure 11. Global Disilane for Semiconductor Consumption Value, (USD Million): 2018 & 2022 & 2029

Figure 12. Global Disilane for Semiconductor Consumption Value and Forecast (2018-2029) & (USD Million)

Figure 13. Global Disilane for Semiconductor Sales Quantity (2018-2029) & (Tons)

Figure 14. Global Disilane for Semiconductor Average Price (2018-2029) & (US\$/Kg)

Figure 15. Global Disilane for Semiconductor Sales Quantity Market Share by Manufacturer in 2022

Figure 16. Global Disilane for Semiconductor Consumption Value Market Share by Manufacturer in 2022

Figure 17. Producer Shipments of Disilane for Semiconductor by Manufacturer Sales Quantity (\$MM) and Market Share (%): 2021

Figure 18. Top 3 Disilane for Semiconductor Manufacturer (Consumption Value) Market Share in 2022

Figure 19. Top 6 Disilane for Semiconductor Manufacturer (Consumption Value) Market Share in 2022

Figure 20. Global Disilane for Semiconductor Sales Quantity Market Share by Region (2018-2029)

Figure 21. Global Disilane for Semiconductor Consumption Value Market Share by Region (2018-2029)

Figure 22. North America Disilane for Semiconductor Consumption Value (2018-2029)

& (USD Million)

Figure 23. Europe Disilane for Semiconductor Consumption Value (2018-2029) & (USD Million)

Figure 24. Asia-Pacific Disilane for Semiconductor Consumption Value (2018-2029) & (USD Million)

Figure 25. South America Disilane for Semiconductor Consumption Value (2018-2029) & (USD Million)

Figure 26. Middle East & Africa Disilane for Semiconductor Consumption Value (2018-2029) & (USD Million)

Figure 27. Global Disilane for Semiconductor Sales Quantity Market Share by Purity (2018-2029)

Figure 28. Global Disilane for Semiconductor Consumption Value Market Share by Purity (2018-2029)

Figure 29. Global Disilane for Semiconductor Average Price by Purity (2018-2029) & (US\$/Kg)

Figure 30. Global Disilane for Semiconductor Sales Quantity Market Share by Application (2018-2029)

Figure 31. Global Disilane for Semiconductor Consumption Value Market Share by Application (2018-2029)

Figure 32. Global Disilane for Semiconductor Average Price by Application (2018-2029) & (US\$/Kg)

Figure 33. North America Disilane for Semiconductor Sales Quantity Market Share by Purity (2018-2029)

Figure 34. North America Disilane for Semiconductor Sales Quantity Market Share by Application (2018-2029)

Figure 35. North America Disilane for Semiconductor Sales Quantity Market Share by Country (2018-2029)

Figure 36. North America Disilane for Semiconductor Consumption Value Market Share by Country (2018-2029)

Figure 37. United States Disilane for Semiconductor Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 38. Canada Disilane for Semiconductor Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 39. Mexico Disilane for Semiconductor Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 40. Europe Disilane for Semiconductor Sales Quantity Market Share by Purity (2018-2029)

Figure 41. Europe Disilane for Semiconductor Sales Quantity Market Share by Application (2018-2029)

Figure 42. Europe Disilane for Semiconductor Sales Quantity Market Share by Country (2018-2029)

Figure 43. Europe Disilane for Semiconductor Consumption Value Market Share by Country (2018-2029)

Figure 44. Germany Disilane for Semiconductor Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 45. France Disilane for Semiconductor Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 46. United Kingdom Disilane for Semiconductor Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 47. Russia Disilane for Semiconductor Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 48. Italy Disilane for Semiconductor Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 49. Asia-Pacific Disilane for Semiconductor Sales Quantity Market Share by Purity (2018-2029)

Figure 50. Asia-Pacific Disilane for Semiconductor Sales Quantity Market Share by Application (2018-2029)

Figure 51. Asia-Pacific Disilane for Semiconductor Sales Quantity Market Share by Region (2018-2029)

Figure 52. Asia-Pacific Disilane for Semiconductor Consumption Value Market Share by Region (2018-2029)

Figure 53. China Disilane for Semiconductor Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 54. Japan Disilane for Semiconductor Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 55. Korea Disilane for Semiconductor Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 56. India Disilane for Semiconductor Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 57. Southeast Asia Disilane for Semiconductor Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 58. Australia Disilane for Semiconductor Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 59. South America Disilane for Semiconductor Sales Quantity Market Share by Purity (2018-2029)

Figure 60. South America Disilane for Semiconductor Sales Quantity Market Share by Application (2018-2029)

Figure 61. South America Disilane for Semiconductor Sales Quantity Market Share by



Country (2018-2029)

Figure 62. South America Disilane for Semiconductor Consumption Value Market Share by Country (2018-2029)

Figure 63. Brazil Disilane for Semiconductor Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 64. Argentina Disilane for Semiconductor Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 65. Middle East & Africa Disilane for Semiconductor Sales Quantity Market Share by Purity (2018-2029)

Figure 66. Middle East & Africa Disilane for Semiconductor Sales Quantity Market Share by Application (2018-2029)

Figure 67. Middle East & Africa Disilane for Semiconductor Sales Quantity Market Share by Region (2018-2029)

Figure 68. Middle East & Africa Disilane for Semiconductor Consumption Value Market Share by Region (2018-2029)

Figure 69. Turkey Disilane for Semiconductor Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 70. Egypt Disilane for Semiconductor Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 71. Saudi Arabia Disilane for Semiconductor Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 72. South Africa Disilane for Semiconductor Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 73. Disilane for Semiconductor Market Drivers

Figure 74. Disilane for Semiconductor Market Restraints

Figure 75. Disilane for Semiconductor Market Trends

Figure 76. Porters Five Forces Analysis

Figure 77. Manufacturing Cost Structure Analysis of Disilane for Semiconductor in 2022

Figure 78. Manufacturing Process Analysis of Disilane for Semiconductor

Figure 79. Disilane for Semiconductor Industrial Chain

Figure 80. Sales Quantity Channel: Direct to End-User vs Distributors

Figure 81. Direct Channel Pros & Cons

Figure 82. Indirect Channel Pros & Cons

Figure 83. Methodology

Figure 84. Research Process and Data Source



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