

# Global Semiconductor Grade Ammonia Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

<https://marketpublishers.com/r/G2CD8896BF4BEN.html>

Date: February 2024

Pages: 93

Price: US\$ 3,480.00 (Single User License)

ID: G2CD8896BF4BEN

## Abstracts

According to our (Global Info Research) latest study, the global Semiconductor Grade Ammonia market size was valued at USD 434.2 million in 2023 and is forecast to a readjusted size of USD 650 million by 2030 with a CAGR of 5.9% during review period.

Semiconductor-grade ammonia refers to ammonia used in the semiconductor manufacturing process. Its purity, impurity content and other indicators need to meet the requirements of semiconductor manufacturing. Ammonia is mainly used in processes such as chemical vapor deposition and epitaxial growth in semiconductor manufacturing. It is one of the key raw materials for preparing important materials such as nitride and silicon-based materials.

Ammonia is a toxic, flammable, and explosive chemical gas. Therefore, the production and use of semiconductor-grade ammonia in the future will pay more attention to safety and environmental protection. Production companies need to strengthen safety management and environmental protection measures to ensure safety and environmental performance during the production process.

The Global Info Research report includes an overview of the development of the Semiconductor Grade Ammonia industry chain, the market status of Chip Deposition (4N, 5N), Wafer Manufacturing (4N, 5N), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Semiconductor Grade Ammonia.

Regionally, the report analyzes the Semiconductor Grade Ammonia markets in key regions. North America and Europe are experiencing steady growth, driven by

government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Semiconductor Grade Ammonia market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the Semiconductor Grade Ammonia market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Semiconductor Grade Ammonia industry.

The report involves analyzing the market at a macro level:

**Market Sizing and Segmentation:** Report collect data on the overall market size, including the sales quantity (Tons), revenue generated, and market share of different by Type (e.g., 4N, 5N).

**Industry Analysis:** Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Semiconductor Grade Ammonia market.

**Regional Analysis:** The report involves examining the Semiconductor Grade Ammonia market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

**Market Projections:** Report covers the gathered data and analysis to make future projections and forecasts for the Semiconductor Grade Ammonia market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Semiconductor Grade Ammonia:

**Company Analysis:** Report covers individual Semiconductor Grade Ammonia manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

**Consumer Analysis:** Report covers data on consumer behaviour, preferences, and attitudes towards Semiconductor Grade Ammonia. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Chip Deposition, Wafer Manufacturing).

**Technology Analysis:** Report covers specific technologies relevant to Semiconductor Grade Ammonia. It assesses the current state, advancements, and potential future developments in Semiconductor Grade Ammonia areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Semiconductor Grade Ammonia market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

**Market Validation:** The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

## Market Segmentation

Semiconductor Grade Ammonia 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.

### Market segment by Type

4N

5N

6N

### Market segment by Application

Chip Deposition

Wafer Manufacturing

Power Semiconductor

Others

#### Major players covered

Linde

Sumitomo Seika Chemicals Company

Haining Indusair Electronics

Showa Denko

Air Liquide

Vijay Gas Industry

UBE Corporation

Yara Internation

#### 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 Semiconductor Grade Ammonia product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Semiconductor Grade Ammonia, with price, sales, revenue and global market share of Semiconductor Grade Ammonia from 2019 to 2024.

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

Chapter 4, the Semiconductor Grade Ammonia breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

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 2023. and Semiconductor Grade Ammonia market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Semiconductor Grade Ammonia.

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

## Contents

### 1 MARKET OVERVIEW

1.1 Product Overview and Scope of Semiconductor Grade Ammonia

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global Semiconductor Grade Ammonia Consumption Value by Type: 2019 Versus 2023 Versus 2030

1.3.2 4N

1.3.3 5N

1.3.4 6N

1.4 Market Analysis by Application

1.4.1 Overview: Global Semiconductor Grade Ammonia Consumption Value by Application: 2019 Versus 2023 Versus 2030

1.4.2 Chip Deposition

1.4.3 Wafer Manufacturing

1.4.4 Power Semiconductor

1.4.5 Others

1.5 Global Semiconductor Grade Ammonia Market Size & Forecast

1.5.1 Global Semiconductor Grade Ammonia Consumption Value (2019 & 2023 & 2030)

1.5.2 Global Semiconductor Grade Ammonia Sales Quantity (2019-2030)

1.5.3 Global Semiconductor Grade Ammonia Average Price (2019-2030)

### 2 MANUFACTURERS PROFILES

2.1 Linde

2.1.1 Linde Details

2.1.2 Linde Major Business

2.1.3 Linde Semiconductor Grade Ammonia Product and Services

2.1.4 Linde Semiconductor Grade Ammonia Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.1.5 Linde Recent Developments/Updates

2.2 Sumitomo Seika Chemicals Company

2.2.1 Sumitomo Seika Chemicals Company Details

2.2.2 Sumitomo Seika Chemicals Company Major Business

2.2.3 Sumitomo Seika Chemicals Company Semiconductor Grade Ammonia Product and Services

2.2.4 Sumitomo Seika Chemicals Company Semiconductor Grade Ammonia Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.2.5 Sumitomo Seika Chemicals Company Recent Developments/Updates

2.3 Haining Indusair Electronics

2.3.1 Haining Indusair Electronics Details

2.3.2 Haining Indusair Electronics Major Business

2.3.3 Haining Indusair Electronics Semiconductor Grade Ammonia Product and Services

2.3.4 Haining Indusair Electronics Semiconductor Grade Ammonia Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.3.5 Haining Indusair Electronics Recent Developments/Updates

2.4 Showa Denko

2.4.1 Showa Denko Details

2.4.2 Showa Denko Major Business

2.4.3 Showa Denko Semiconductor Grade Ammonia Product and Services

2.4.4 Showa Denko Semiconductor Grade Ammonia Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.4.5 Showa Denko Recent Developments/Updates

2.5 Air Liquide

2.5.1 Air Liquide Details

2.5.2 Air Liquide Major Business

2.5.3 Air Liquide Semiconductor Grade Ammonia Product and Services

2.5.4 Air Liquide Semiconductor Grade Ammonia Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.5.5 Air Liquide Recent Developments/Updates

2.6 Vijay Gas Industry

2.6.1 Vijay Gas Industry Details

2.6.2 Vijay Gas Industry Major Business

2.6.3 Vijay Gas Industry Semiconductor Grade Ammonia Product and Services

2.6.4 Vijay Gas Industry Semiconductor Grade Ammonia Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.6.5 Vijay Gas Industry Recent Developments/Updates

2.7 UBE Corporation

2.7.1 UBE Corporation Details

2.7.2 UBE Corporation Major Business

2.7.3 UBE Corporation Semiconductor Grade Ammonia Product and Services

2.7.4 UBE Corporation Semiconductor Grade Ammonia Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.7.5 UBE Corporation Recent Developments/Updates



## 2.8 Yara Internation

### 2.8.1 Yara Internation Details

### 2.8.2 Yara Internation Major Business

### 2.8.3 Yara Internation Semiconductor Grade Ammonia Product and Services

### 2.8.4 Yara Internation Semiconductor Grade Ammonia Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

### 2.8.5 Yara Internation Recent Developments/Updates

## **3 COMPETITIVE ENVIRONMENT: SEMICONDUCTOR GRADE AMMONIA BY MANUFACTURER**

### 3.1 Global Semiconductor Grade Ammonia Sales Quantity by Manufacturer (2019-2024)

### 3.2 Global Semiconductor Grade Ammonia Revenue by Manufacturer (2019-2024)

### 3.3 Global Semiconductor Grade Ammonia Average Price by Manufacturer (2019-2024)

### 3.4 Market Share Analysis (2023)

#### 3.4.1 Producer Shipments of Semiconductor Grade Ammonia by Manufacturer Revenue (\$MM) and Market Share (%): 2023

#### 3.4.2 Top 3 Semiconductor Grade Ammonia Manufacturer Market Share in 2023

#### 3.4.2 Top 6 Semiconductor Grade Ammonia Manufacturer Market Share in 2023

### 3.5 Semiconductor Grade Ammonia Market: Overall Company Footprint Analysis

#### 3.5.1 Semiconductor Grade Ammonia Market: Region Footprint

#### 3.5.2 Semiconductor Grade Ammonia Market: Company Product Type Footprint

#### 3.5.3 Semiconductor Grade Ammonia 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 Semiconductor Grade Ammonia Market Size by Region

#### 4.1.1 Global Semiconductor Grade Ammonia Sales Quantity by Region (2019-2030)

#### 4.1.2 Global Semiconductor Grade Ammonia Consumption Value by Region (2019-2030)

#### 4.1.3 Global Semiconductor Grade Ammonia Average Price by Region (2019-2030)

### 4.2 North America Semiconductor Grade Ammonia Consumption Value (2019-2030)

### 4.3 Europe Semiconductor Grade Ammonia Consumption Value (2019-2030)

### 4.4 Asia-Pacific Semiconductor Grade Ammonia Consumption Value (2019-2030)

### 4.5 South America Semiconductor Grade Ammonia Consumption Value (2019-2030)

### 4.6 Middle East and Africa Semiconductor Grade Ammonia Consumption Value



(2019-2030)

## **5 MARKET SEGMENT BY TYPE**

5.1 Global Semiconductor Grade Ammonia Sales Quantity by Type (2019-2030)

5.2 Global Semiconductor Grade Ammonia Consumption Value by Type (2019-2030)

5.3 Global Semiconductor Grade Ammonia Average Price by Type (2019-2030)

## **6 MARKET SEGMENT BY APPLICATION**

6.1 Global Semiconductor Grade Ammonia Sales Quantity by Application (2019-2030)

6.2 Global Semiconductor Grade Ammonia Consumption Value by Application  
(2019-2030)

6.3 Global Semiconductor Grade Ammonia Average Price by Application (2019-2030)

## **7 NORTH AMERICA**

7.1 North America Semiconductor Grade Ammonia Sales Quantity by Type (2019-2030)

7.2 North America Semiconductor Grade Ammonia Sales Quantity by Application  
(2019-2030)

7.3 North America Semiconductor Grade Ammonia Market Size by Country

7.3.1 North America Semiconductor Grade Ammonia Sales Quantity by Country  
(2019-2030)

7.3.2 North America Semiconductor Grade Ammonia Consumption Value by Country  
(2019-2030)

7.3.3 United States Market Size and Forecast (2019-2030)

7.3.4 Canada Market Size and Forecast (2019-2030)

7.3.5 Mexico Market Size and Forecast (2019-2030)

## **8 EUROPE**

8.1 Europe Semiconductor Grade Ammonia Sales Quantity by Type (2019-2030)

8.2 Europe Semiconductor Grade Ammonia Sales Quantity by Application (2019-2030)

8.3 Europe Semiconductor Grade Ammonia Market Size by Country

8.3.1 Europe Semiconductor Grade Ammonia Sales Quantity by Country (2019-2030)

8.3.2 Europe Semiconductor Grade Ammonia Consumption Value by Country  
(2019-2030)

8.3.3 Germany Market Size and Forecast (2019-2030)

8.3.4 France Market Size and Forecast (2019-2030)

8.3.5 United Kingdom Market Size and Forecast (2019-2030)

8.3.6 Russia Market Size and Forecast (2019-2030)

8.3.7 Italy Market Size and Forecast (2019-2030)

## **9 ASIA-PACIFIC**

9.1 Asia-Pacific Semiconductor Grade Ammonia Sales Quantity by Type (2019-2030)

9.2 Asia-Pacific Semiconductor Grade Ammonia Sales Quantity by Application (2019-2030)

9.3 Asia-Pacific Semiconductor Grade Ammonia Market Size by Region

9.3.1 Asia-Pacific Semiconductor Grade Ammonia Sales Quantity by Region (2019-2030)

9.3.2 Asia-Pacific Semiconductor Grade Ammonia Consumption Value by Region (2019-2030)

9.3.3 China Market Size and Forecast (2019-2030)

9.3.4 Japan Market Size and Forecast (2019-2030)

9.3.5 Korea Market Size and Forecast (2019-2030)

9.3.6 India Market Size and Forecast (2019-2030)

9.3.7 Southeast Asia Market Size and Forecast (2019-2030)

9.3.8 Australia Market Size and Forecast (2019-2030)

## **10 SOUTH AMERICA**

10.1 South America Semiconductor Grade Ammonia Sales Quantity by Type (2019-2030)

10.2 South America Semiconductor Grade Ammonia Sales Quantity by Application (2019-2030)

10.3 South America Semiconductor Grade Ammonia Market Size by Country

10.3.1 South America Semiconductor Grade Ammonia Sales Quantity by Country (2019-2030)

10.3.2 South America Semiconductor Grade Ammonia Consumption Value by Country (2019-2030)

10.3.3 Brazil Market Size and Forecast (2019-2030)

10.3.4 Argentina Market Size and Forecast (2019-2030)

## **11 MIDDLE EAST & AFRICA**

11.1 Middle East & Africa Semiconductor Grade Ammonia Sales Quantity by Type (2019-2030)

11.2 Middle East & Africa Semiconductor Grade Ammonia Sales Quantity by Application (2019-2030)

11.3 Middle East & Africa Semiconductor Grade Ammonia Market Size by Country

11.3.1 Middle East & Africa Semiconductor Grade Ammonia Sales Quantity by Country (2019-2030)

11.3.2 Middle East & Africa Semiconductor Grade Ammonia Consumption Value by Country (2019-2030)

11.3.3 Turkey Market Size and Forecast (2019-2030)

11.3.4 Egypt Market Size and Forecast (2019-2030)

11.3.5 Saudi Arabia Market Size and Forecast (2019-2030)

11.3.6 South Africa Market Size and Forecast (2019-2030)

## **12 MARKET DYNAMICS**

12.1 Semiconductor Grade Ammonia Market Drivers

12.2 Semiconductor Grade Ammonia Market Restraints

12.3 Semiconductor Grade Ammonia 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

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

13.1 Raw Material of Semiconductor Grade Ammonia and Key Manufacturers

13.2 Manufacturing Costs Percentage of Semiconductor Grade Ammonia

13.3 Semiconductor Grade Ammonia Production Process

13.4 Semiconductor Grade Ammonia Industrial Chain

## **14 SHIPMENTS BY DISTRIBUTION CHANNEL**

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 Semiconductor Grade Ammonia Typical Distributors

14.3 Semiconductor Grade Ammonia 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 Semiconductor Grade Ammonia Consumption Value by Type, (USD Million), 2019 & 2023 & 2030

Table 2. Global Semiconductor Grade Ammonia Consumption Value by Application, (USD Million), 2019 & 2023 & 2030

Table 3. Linde Basic Information, Manufacturing Base and Competitors

Table 4. Linde Major Business

Table 5. Linde Semiconductor Grade Ammonia Product and Services

Table 6. Linde Semiconductor Grade Ammonia Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 7. Linde Recent Developments/Updates

Table 8. Sumitomo Seika Chemicals Company Basic Information, Manufacturing Base and Competitors

Table 9. Sumitomo Seika Chemicals Company Major Business

Table 10. Sumitomo Seika Chemicals Company Semiconductor Grade Ammonia Product and Services

Table 11. Sumitomo Seika Chemicals Company Semiconductor Grade Ammonia Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 12. Sumitomo Seika Chemicals Company Recent Developments/Updates

Table 13. Haining Indusair Electronics Basic Information, Manufacturing Base and Competitors

Table 14. Haining Indusair Electronics Major Business

Table 15. Haining Indusair Electronics Semiconductor Grade Ammonia Product and Services

Table 16. Haining Indusair Electronics Semiconductor Grade Ammonia Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 17. Haining Indusair Electronics Recent Developments/Updates

Table 18. Showa Denko Basic Information, Manufacturing Base and Competitors

Table 19. Showa Denko Major Business

Table 20. Showa Denko Semiconductor Grade Ammonia Product and Services

Table 21. Showa Denko Semiconductor Grade Ammonia Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 22. Showa Denko Recent Developments/Updates

- Table 23. Air Liquide Basic Information, Manufacturing Base and Competitors
- Table 24. Air Liquide Major Business
- Table 25. Air Liquide Semiconductor Grade Ammonia Product and Services
- Table 26. Air Liquide Semiconductor Grade Ammonia Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 27. Air Liquide Recent Developments/Updates
- Table 28. Vijay Gas Industry Basic Information, Manufacturing Base and Competitors
- Table 29. Vijay Gas Industry Major Business
- Table 30. Vijay Gas Industry Semiconductor Grade Ammonia Product and Services
- Table 31. Vijay Gas Industry Semiconductor Grade Ammonia Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 32. Vijay Gas Industry Recent Developments/Updates
- Table 33. UBE Corporation Basic Information, Manufacturing Base and Competitors
- Table 34. UBE Corporation Major Business
- Table 35. UBE Corporation Semiconductor Grade Ammonia Product and Services
- Table 36. UBE Corporation Semiconductor Grade Ammonia Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 37. UBE Corporation Recent Developments/Updates
- Table 38. Yara Internation Basic Information, Manufacturing Base and Competitors
- Table 39. Yara Internation Major Business
- Table 40. Yara Internation Semiconductor Grade Ammonia Product and Services
- Table 41. Yara Internation Semiconductor Grade Ammonia Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 42. Yara Internation Recent Developments/Updates
- Table 43. Global Semiconductor Grade Ammonia Sales Quantity by Manufacturer (2019-2024) & (Tons)
- Table 44. Global Semiconductor Grade Ammonia Revenue by Manufacturer (2019-2024) & (USD Million)
- Table 45. Global Semiconductor Grade Ammonia Average Price by Manufacturer (2019-2024) & (US\$/Ton)
- Table 46. Market Position of Manufacturers in Semiconductor Grade Ammonia, (Tier 1, Tier 2, and Tier 3), Based on Consumption Value in 2023
- Table 47. Head Office and Semiconductor Grade Ammonia Production Site of Key Manufacturer
- Table 48. Semiconductor Grade Ammonia Market: Company Product Type Footprint
- Table 49. Semiconductor Grade Ammonia Market: Company Product Application

## Footprint

Table 50. Semiconductor Grade Ammonia New Market Entrants and Barriers to Market Entry

Table 51. Semiconductor Grade Ammonia Mergers, Acquisition, Agreements, and Collaborations

Table 52. Global Semiconductor Grade Ammonia Sales Quantity by Region (2019-2024) & (Tons)

Table 53. Global Semiconductor Grade Ammonia Sales Quantity by Region (2025-2030) & (Tons)

Table 54. Global Semiconductor Grade Ammonia Consumption Value by Region (2019-2024) & (USD Million)

Table 55. Global Semiconductor Grade Ammonia Consumption Value by Region (2025-2030) & (USD Million)

Table 56. Global Semiconductor Grade Ammonia Average Price by Region (2019-2024) & (US\$/Ton)

Table 57. Global Semiconductor Grade Ammonia Average Price by Region (2025-2030) & (US\$/Ton)

Table 58. Global Semiconductor Grade Ammonia Sales Quantity by Type (2019-2024) & (Tons)

Table 59. Global Semiconductor Grade Ammonia Sales Quantity by Type (2025-2030) & (Tons)

Table 60. Global Semiconductor Grade Ammonia Consumption Value by Type (2019-2024) & (USD Million)

Table 61. Global Semiconductor Grade Ammonia Consumption Value by Type (2025-2030) & (USD Million)

Table 62. Global Semiconductor Grade Ammonia Average Price by Type (2019-2024) & (US\$/Ton)

Table 63. Global Semiconductor Grade Ammonia Average Price by Type (2025-2030) & (US\$/Ton)

Table 64. Global Semiconductor Grade Ammonia Sales Quantity by Application (2019-2024) & (Tons)

Table 65. Global Semiconductor Grade Ammonia Sales Quantity by Application (2025-2030) & (Tons)

Table 66. Global Semiconductor Grade Ammonia Consumption Value by Application (2019-2024) & (USD Million)

Table 67. Global Semiconductor Grade Ammonia Consumption Value by Application (2025-2030) & (USD Million)

Table 68. Global Semiconductor Grade Ammonia Average Price by Application (2019-2024) & (US\$/Ton)



Table 69. Global Semiconductor Grade Ammonia Average Price by Application (2025-2030) & (US\$/Ton)

Table 70. North America Semiconductor Grade Ammonia Sales Quantity by Type (2019-2024) & (Tons)

Table 71. North America Semiconductor Grade Ammonia Sales Quantity by Type (2025-2030) & (Tons)

Table 72. North America Semiconductor Grade Ammonia Sales Quantity by Application (2019-2024) & (Tons)

Table 73. North America Semiconductor Grade Ammonia Sales Quantity by Application (2025-2030) & (Tons)

Table 74. North America Semiconductor Grade Ammonia Sales Quantity by Country (2019-2024) & (Tons)

Table 75. North America Semiconductor Grade Ammonia Sales Quantity by Country (2025-2030) & (Tons)

Table 76. North America Semiconductor Grade Ammonia Consumption Value by Country (2019-2024) & (USD Million)

Table 77. North America Semiconductor Grade Ammonia Consumption Value by Country (2025-2030) & (USD Million)

Table 78. Europe Semiconductor Grade Ammonia Sales Quantity by Type (2019-2024) & (Tons)

Table 79. Europe Semiconductor Grade Ammonia Sales Quantity by Type (2025-2030) & (Tons)

Table 80. Europe Semiconductor Grade Ammonia Sales Quantity by Application (2019-2024) & (Tons)

Table 81. Europe Semiconductor Grade Ammonia Sales Quantity by Application (2025-2030) & (Tons)

Table 82. Europe Semiconductor Grade Ammonia Sales Quantity by Country (2019-2024) & (Tons)

Table 83. Europe Semiconductor Grade Ammonia Sales Quantity by Country (2025-2030) & (Tons)

Table 84. Europe Semiconductor Grade Ammonia Consumption Value by Country (2019-2024) & (USD Million)

Table 85. Europe Semiconductor Grade Ammonia Consumption Value by Country (2025-2030) & (USD Million)

Table 86. Asia-Pacific Semiconductor Grade Ammonia Sales Quantity by Type (2019-2024) & (Tons)

Table 87. Asia-Pacific Semiconductor Grade Ammonia Sales Quantity by Type (2025-2030) & (Tons)

Table 88. Asia-Pacific Semiconductor Grade Ammonia Sales Quantity by Application

(2019-2024) & (Tons)

Table 89. Asia-Pacific Semiconductor Grade Ammonia Sales Quantity by Application (2025-2030) & (Tons)

Table 90. Asia-Pacific Semiconductor Grade Ammonia Sales Quantity by Region (2019-2024) & (Tons)

Table 91. Asia-Pacific Semiconductor Grade Ammonia Sales Quantity by Region (2025-2030) & (Tons)

Table 92. Asia-Pacific Semiconductor Grade Ammonia Consumption Value by Region (2019-2024) & (USD Million)

Table 93. Asia-Pacific Semiconductor Grade Ammonia Consumption Value by Region (2025-2030) & (USD Million)

Table 94. South America Semiconductor Grade Ammonia Sales Quantity by Type (2019-2024) & (Tons)

Table 95. South America Semiconductor Grade Ammonia Sales Quantity by Type (2025-2030) & (Tons)

Table 96. South America Semiconductor Grade Ammonia Sales Quantity by Application (2019-2024) & (Tons)

Table 97. South America Semiconductor Grade Ammonia Sales Quantity by Application (2025-2030) & (Tons)

Table 98. South America Semiconductor Grade Ammonia Sales Quantity by Country (2019-2024) & (Tons)

Table 99. South America Semiconductor Grade Ammonia Sales Quantity by Country (2025-2030) & (Tons)

Table 100. South America Semiconductor Grade Ammonia Consumption Value by Country (2019-2024) & (USD Million)

Table 101. South America Semiconductor Grade Ammonia Consumption Value by Country (2025-2030) & (USD Million)

Table 102. Middle East & Africa Semiconductor Grade Ammonia Sales Quantity by Type (2019-2024) & (Tons)

Table 103. Middle East & Africa Semiconductor Grade Ammonia Sales Quantity by Type (2025-2030) & (Tons)

Table 104. Middle East & Africa Semiconductor Grade Ammonia Sales Quantity by Application (2019-2024) & (Tons)

Table 105. Middle East & Africa Semiconductor Grade Ammonia Sales Quantity by Application (2025-2030) & (Tons)

Table 106. Middle East & Africa Semiconductor Grade Ammonia Sales Quantity by Region (2019-2024) & (Tons)

Table 107. Middle East & Africa Semiconductor Grade Ammonia Sales Quantity by Region (2025-2030) & (Tons)

Table 108. Middle East & Africa Semiconductor Grade Ammonia Consumption Value by Region (2019-2024) & (USD Million)

Table 109. Middle East & Africa Semiconductor Grade Ammonia Consumption Value by Region (2025-2030) & (USD Million)

Table 110. Semiconductor Grade Ammonia Raw Material

Table 111. Key Manufacturers of Semiconductor Grade Ammonia Raw Materials

Table 112. Semiconductor Grade Ammonia Typical Distributors

Table 113. Semiconductor Grade Ammonia Typical Customers

## List Of Figures

### LIST OF FIGURES

Figure 1. Semiconductor Grade Ammonia Picture

Figure 2. Global Semiconductor Grade Ammonia Consumption Value by Type, (USD Million), 2019 & 2023 & 2030

Figure 3. Global Semiconductor Grade Ammonia Consumption Value Market Share by Type in 2023

Figure 4. 4N Examples

Figure 5. 5N Examples

Figure 6. 6N Examples

Figure 7. Global Semiconductor Grade Ammonia Consumption Value by Application, (USD Million), 2019 & 2023 & 2030

Figure 8. Global Semiconductor Grade Ammonia Consumption Value Market Share by Application in 2023

Figure 9. Chip Deposition Examples

Figure 10. Wafer Manufacturing Examples

Figure 11. Power Semiconductor Examples

Figure 12. Others Examples

Figure 13. Global Semiconductor Grade Ammonia Consumption Value, (USD Million): 2019 & 2023 & 2030

Figure 14. Global Semiconductor Grade Ammonia Consumption Value and Forecast (2019-2030) & (USD Million)

Figure 15. Global Semiconductor Grade Ammonia Sales Quantity (2019-2030) & (Tons)

Figure 16. Global Semiconductor Grade Ammonia Average Price (2019-2030) & (US\$/Ton)

Figure 17. Global Semiconductor Grade Ammonia Sales Quantity Market Share by Manufacturer in 2023

Figure 18. Global Semiconductor Grade Ammonia Consumption Value Market Share by Manufacturer in 2023

Figure 19. Producer Shipments of Semiconductor Grade Ammonia by Manufacturer Sales Quantity (\$MM) and Market Share (%): 2023

Figure 20. Top 3 Semiconductor Grade Ammonia Manufacturer (Consumption Value) Market Share in 2023

Figure 21. Top 6 Semiconductor Grade Ammonia Manufacturer (Consumption Value) Market Share in 2023

Figure 22. Global Semiconductor Grade Ammonia Sales Quantity Market Share by Region (2019-2030)

Figure 23. Global Semiconductor Grade Ammonia Consumption Value Market Share by Region (2019-2030)

Figure 24. North America Semiconductor Grade Ammonia Consumption Value (2019-2030) & (USD Million)

Figure 25. Europe Semiconductor Grade Ammonia Consumption Value (2019-2030) & (USD Million)

Figure 26. Asia-Pacific Semiconductor Grade Ammonia Consumption Value (2019-2030) & (USD Million)

Figure 27. South America Semiconductor Grade Ammonia Consumption Value (2019-2030) & (USD Million)

Figure 28. Middle East & Africa Semiconductor Grade Ammonia Consumption Value (2019-2030) & (USD Million)

Figure 29. Global Semiconductor Grade Ammonia Sales Quantity Market Share by Type (2019-2030)

Figure 30. Global Semiconductor Grade Ammonia Consumption Value Market Share by Type (2019-2030)

Figure 31. Global Semiconductor Grade Ammonia Average Price by Type (2019-2030) & (US\$/Ton)

Figure 32. Global Semiconductor Grade Ammonia Sales Quantity Market Share by Application (2019-2030)

Figure 33. Global Semiconductor Grade Ammonia Consumption Value Market Share by Application (2019-2030)

Figure 34. Global Semiconductor Grade Ammonia Average Price by Application (2019-2030) & (US\$/Ton)

Figure 35. North America Semiconductor Grade Ammonia Sales Quantity Market Share by Type (2019-2030)

Figure 36. North America Semiconductor Grade Ammonia Sales Quantity Market Share by Application (2019-2030)

Figure 37. North America Semiconductor Grade Ammonia Sales Quantity Market Share by Country (2019-2030)

Figure 38. North America Semiconductor Grade Ammonia Consumption Value Market Share by Country (2019-2030)

Figure 39. United States Semiconductor Grade Ammonia Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 40. Canada Semiconductor Grade Ammonia Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 41. Mexico Semiconductor Grade Ammonia Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 42. Europe Semiconductor Grade Ammonia Sales Quantity Market Share by

Type (2019-2030)

Figure 43. Europe Semiconductor Grade Ammonia Sales Quantity Market Share by Application (2019-2030)

Figure 44. Europe Semiconductor Grade Ammonia Sales Quantity Market Share by Country (2019-2030)

Figure 45. Europe Semiconductor Grade Ammonia Consumption Value Market Share by Country (2019-2030)

Figure 46. Germany Semiconductor Grade Ammonia Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 47. France Semiconductor Grade Ammonia Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 48. United Kingdom Semiconductor Grade Ammonia Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 49. Russia Semiconductor Grade Ammonia Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 50. Italy Semiconductor Grade Ammonia Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 51. Asia-Pacific Semiconductor Grade Ammonia Sales Quantity Market Share by Type (2019-2030)

Figure 52. Asia-Pacific Semiconductor Grade Ammonia Sales Quantity Market Share by Application (2019-2030)

Figure 53. Asia-Pacific Semiconductor Grade Ammonia Sales Quantity Market Share by Region (2019-2030)

Figure 54. Asia-Pacific Semiconductor Grade Ammonia Consumption Value Market Share by Region (2019-2030)

Figure 55. China Semiconductor Grade Ammonia Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 56. Japan Semiconductor Grade Ammonia Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 57. Korea Semiconductor Grade Ammonia Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 58. India Semiconductor Grade Ammonia Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 59. Southeast Asia Semiconductor Grade Ammonia Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 60. Australia Semiconductor Grade Ammonia Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 61. South America Semiconductor Grade Ammonia Sales Quantity Market Share by Type (2019-2030)



Figure 62. South America Semiconductor Grade Ammonia Sales Quantity Market Share by Application (2019-2030)

Figure 63. South America Semiconductor Grade Ammonia Sales Quantity Market Share by Country (2019-2030)

Figure 64. South America Semiconductor Grade Ammonia Consumption Value Market Share by Country (2019-2030)

Figure 65. Brazil Semiconductor Grade Ammonia Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 66. Argentina Semiconductor Grade Ammonia Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 67. Middle East & Africa Semiconductor Grade Ammonia Sales Quantity Market Share by Type (2019-2030)

Figure 68. Middle East & Africa Semiconductor Grade Ammonia Sales Quantity Market Share by Application (2019-2030)

Figure 69. Middle East & Africa Semiconductor Grade Ammonia Sales Quantity Market Share by Region (2019-2030)

Figure 70. Middle East & Africa Semiconductor Grade Ammonia Consumption Value Market Share by Region (2019-2030)

Figure 71. Turkey Semiconductor Grade Ammonia Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 72. Egypt Semiconductor Grade Ammonia Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 73. Saudi Arabia Semiconductor Grade Ammonia Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 74. South Africa Semiconductor Grade Ammonia Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 75. Semiconductor Grade Ammonia Market Drivers

Figure 76. Semiconductor Grade Ammonia Market Restraints

Figure 77. Semiconductor Grade Ammonia Market Trends

Figure 78. Porters Five Forces Analysis

Figure 79. Manufacturing Cost Structure Analysis of Semiconductor Grade Ammonia in 2023

Figure 80. Manufacturing Process Analysis of Semiconductor Grade Ammonia

Figure 81. Semiconductor Grade Ammonia Industrial Chain

Figure 82. Sales Quantity Channel: Direct to End-User vs Distributors

Figure 83. Direct Channel Pros & Cons

Figure 84. Indirect Channel Pros & Cons

Figure 85. Methodology

Figure 86. Research Process and Data Source



## I would like to order

Product name: Global Semiconductor Grade Ammonia Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

Product link: <https://marketpublishers.com/r/G2CD8896BF4BEN.html>

Price: US\$ 3,480.00 (Single User License / Electronic Delivery)

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

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

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G2CD8896BF4BEN.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

