

# Global High Purity Dinitrogen Oxide Supply, Demand and Key Producers, 2023-2029

https://marketpublishers.com/r/G9E0A73E91E0EN.html

Date: September 2023

Pages: 105

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

ID: G9E0A73E91E0EN

### **Abstracts**

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

This report studies the global High Purity Dinitrogen Oxide production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for High Purity Dinitrogen Oxide, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of High Purity Dinitrogen Oxide that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global High Purity Dinitrogen Oxide total production and demand, 2018-2029, (Tons)

Global High Purity Dinitrogen Oxide total production value, 2018-2029, (USD Million)

Global High Purity Dinitrogen Oxide production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (Tons)

Global High Purity Dinitrogen Oxide consumption by region & country, CAGR, 2018-2029 & (Tons)

U.S. VS China: High Purity Dinitrogen Oxide domestic production, consumption, key domestic manufacturers and share



Global High Purity Dinitrogen Oxide production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (Tons)

Global High Purity Dinitrogen Oxide production by Type, production, value, CAGR, 2018-2029, (USD Million) & (Tons)

Global High Purity Dinitrogen Oxide production by Application production, value, CAGR, 2018-2029, (USD Million) & (Tons).

This reports profiles key players in the global High Purity Dinitrogen Oxide market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Linde, Chongqing Tonghui Gas, Air Liquide, Sumitomo Seika Chemicals, Jinhong Gas, Wonik Materials, Resonac, Linggas and Taiyo Nippon Sanso, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World High Purity Dinitrogen Oxide market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) and average price (US\$/Ton) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global High Purity Dinitrogen Oxide Market, By Region:

**United States** 

China

Europe







Wonik Materials		
Resonac		
Linggas		
Taiyo Nippon Sanso		
Messer		
Merck Group		
Huate Gas		
Key Questions Answered		
1. How big is the global High Purity Dinitrogen Oxide market?		
2. What is the demand of the global High Purity Dinitrogen Oxide market?		
3. What is the year over year growth of the global High Purity Dinitrogen Oxide market?		
4. What is the production and production value of the global High Purity Dinitrogen Oxide market?		
5. Who are the key producers in the global High Purity Dinitrogen Oxide market?		
6. What are the growth factors driving the market demand?		



#### **Contents**

#### 1 SUPPLY SUMMARY

- 1.1 High Purity Dinitrogen Oxide Introduction
- 1.2 World High Purity Dinitrogen Oxide Supply & Forecast
- 1.2.1 World High Purity Dinitrogen Oxide Production Value (2018 & 2022 & 2029)
- 1.2.2 World High Purity Dinitrogen Oxide Production (2018-2029)
- 1.2.3 World High Purity Dinitrogen Oxide Pricing Trends (2018-2029)
- 1.3 World High Purity Dinitrogen Oxide Production by Region (Based on Production Site)
  - 1.3.1 World High Purity Dinitrogen Oxide Production Value by Region (2018-2029)
  - 1.3.2 World High Purity Dinitrogen Oxide Production by Region (2018-2029)
  - 1.3.3 World High Purity Dinitrogen Oxide Average Price by Region (2018-2029)
  - 1.3.4 North America High Purity Dinitrogen Oxide Production (2018-2029)
  - 1.3.5 Europe High Purity Dinitrogen Oxide Production (2018-2029)
  - 1.3.6 China High Purity Dinitrogen Oxide Production (2018-2029)
  - 1.3.7 Japan High Purity Dinitrogen Oxide Production (2018-2029)
- 1.4 Market Drivers, Restraints and Trends
- 1.4.1 High Purity Dinitrogen Oxide Market Drivers
- 1.4.2 Factors Affecting Demand
- 1.4.3 High Purity Dinitrogen Oxide Major Market Trends
- 1.5 Influence of COVID-19 and Russia-Ukraine War
  - 1.5.1 Influence of COVID-19
  - 1.5.2 Influence of Russia-Ukraine War

#### **2 DEMAND SUMMARY**

- 2.1 World High Purity Dinitrogen Oxide Demand (2018-2029)
- 2.2 World High Purity Dinitrogen Oxide Consumption by Region
  - 2.2.1 World High Purity Dinitrogen Oxide Consumption by Region (2018-2023)
- 2.2.2 World High Purity Dinitrogen Oxide Consumption Forecast by Region (2024-2029)
- 2.3 United States High Purity Dinitrogen Oxide Consumption (2018-2029)
- 2.4 China High Purity Dinitrogen Oxide Consumption (2018-2029)
- 2.5 Europe High Purity Dinitrogen Oxide Consumption (2018-2029)
- 2.6 Japan High Purity Dinitrogen Oxide Consumption (2018-2029)
- 2.7 South Korea High Purity Dinitrogen Oxide Consumption (2018-2029)
- 2.8 ASEAN High Purity Dinitrogen Oxide Consumption (2018-2029)



2.9 India High Purity Dinitrogen Oxide Consumption (2018-2029)

# 3 WORLD HIGH PURITY DINITROGEN OXIDE MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World High Purity Dinitrogen Oxide Production Value by Manufacturer (2018-2023)
- 3.2 World High Purity Dinitrogen Oxide Production by Manufacturer (2018-2023)
- 3.3 World High Purity Dinitrogen Oxide Average Price by Manufacturer (2018-2023)
- 3.4 High Purity Dinitrogen Oxide Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
  - 3.5.1 Global High Purity Dinitrogen Oxide Industry Rank of Major Manufacturers
  - 3.5.2 Global Concentration Ratios (CR4) for High Purity Dinitrogen Oxide in 2022
- 3.5.3 Global Concentration Ratios (CR8) for High Purity Dinitrogen Oxide in 2022
- 3.6 High Purity Dinitrogen Oxide Market: Overall Company Footprint Analysis
  - 3.6.1 High Purity Dinitrogen Oxide Market: Region Footprint
  - 3.6.2 High Purity Dinitrogen Oxide Market: Company Product Type Footprint
- 3.6.3 High Purity Dinitrogen Oxide Market: Company Product Application Footprint
- 3.7 Competitive Environment
  - 3.7.1 Historical Structure of the Industry
  - 3.7.2 Barriers of Market Entry
  - 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

#### 4 UNITED STATES VS CHINA VS REST OF THE WORLD

- 4.1 United States VS China: High Purity Dinitrogen Oxide Production Value Comparison
- 4.1.1 United States VS China: High Purity Dinitrogen Oxide Production Value Comparison (2018 & 2022 & 2029)
- 4.1.2 United States VS China: High Purity Dinitrogen Oxide Production Value Market Share Comparison (2018 & 2022 & 2029)
- 4.2 United States VS China: High Purity Dinitrogen Oxide Production Comparison
- 4.2.1 United States VS China: High Purity Dinitrogen Oxide Production Comparison (2018 & 2022 & 2029)
- 4.2.2 United States VS China: High Purity Dinitrogen Oxide Production Market Share Comparison (2018 & 2022 & 2029)
- 4.3 United States VS China: High Purity Dinitrogen Oxide Consumption Comparison
- 4.3.1 United States VS China: High Purity Dinitrogen Oxide Consumption Comparison (2018 & 2022 & 2029)



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

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

- 5.1 World High Purity Dinitrogen Oxide Market Size Overview by Type: 2018 VS 2022 VS 2029
- 5.2 Segment Introduction by Type
  - 5.2.1 5N
  - 5.2.2 5.5N
- 5.3 Market Segment by Type
  - 5.3.1 World High Purity Dinitrogen Oxide Production by Type (2018-2029)
  - 5.3.2 World High Purity Dinitrogen Oxide Production Value by Type (2018-2029)
  - 5.3.3 World High Purity Dinitrogen Oxide Average Price by Type (2018-2029)

#### **6 MARKET ANALYSIS BY APPLICATION**



- 6.1 World High Purity Dinitrogen Oxide Market Size Overview by Application: 2018 VS 2022 VS 2029
- 6.2 Segment Introduction by Application
  - 6.2.1 Electronics & Semiconductor
  - 6.2.2 Food
  - 6.2.3 Medical
- 6.3 Market Segment by Application
  - 6.3.1 World High Purity Dinitrogen Oxide Production by Application (2018-2029)
  - 6.3.2 World High Purity Dinitrogen Oxide Production Value by Application (2018-2029)
  - 6.3.3 World High Purity Dinitrogen Oxide Average Price by Application (2018-2029)

#### **7 COMPANY PROFILES**

- 7.1 Linde
  - 7.1.1 Linde Details
  - 7.1.2 Linde Major Business
  - 7.1.3 Linde High Purity Dinitrogen Oxide Product and Services
- 7.1.4 Linde High Purity Dinitrogen Oxide Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.1.5 Linde Recent Developments/Updates
  - 7.1.6 Linde Competitive Strengths & Weaknesses
- 7.2 Chongqing Tonghui Gas
  - 7.2.1 Chongqing Tonghui Gas Details
  - 7.2.2 Chongqing Tonghui Gas Major Business
  - 7.2.3 Chongqing Tonghui Gas High Purity Dinitrogen Oxide Product and Services
- 7.2.4 Chongqing Tonghui Gas High Purity Dinitrogen Oxide Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.2.5 Chongqing Tonghui Gas Recent Developments/Updates
- 7.2.6 Chongqing Tonghui Gas Competitive Strengths & Weaknesses
- 7.3 Air Liquide
  - 7.3.1 Air Liquide Details
  - 7.3.2 Air Liquide Major Business
  - 7.3.3 Air Liquide High Purity Dinitrogen Oxide Product and Services
- 7.3.4 Air Liquide High Purity Dinitrogen Oxide Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.3.5 Air Liquide Recent Developments/Updates
  - 7.3.6 Air Liquide Competitive Strengths & Weaknesses
- 7.4 Sumitomo Seika Chemicals



- 7.4.1 Sumitomo Seika Chemicals Details
- 7.4.2 Sumitomo Seika Chemicals Major Business
- 7.4.3 Sumitomo Seika Chemicals High Purity Dinitrogen Oxide Product and Services
- 7.4.4 Sumitomo Seika Chemicals High Purity Dinitrogen Oxide Production, Price,
- Value, Gross Margin and Market Share (2018-2023)
- 7.4.5 Sumitomo Seika Chemicals Recent Developments/Updates
- 7.4.6 Sumitomo Seika Chemicals Competitive Strengths & Weaknesses
- 7.5 Jinhong Gas
  - 7.5.1 Jinhong Gas Details
  - 7.5.2 Jinhong Gas Major Business
  - 7.5.3 Jinhong Gas High Purity Dinitrogen Oxide Product and Services
- 7.5.4 Jinhong Gas High Purity Dinitrogen Oxide Production, Price, Value, Gross
- Margin and Market Share (2018-2023)
- 7.5.5 Jinhong Gas Recent Developments/Updates
- 7.5.6 Jinhong Gas Competitive Strengths & Weaknesses
- 7.6 Wonik Materials
  - 7.6.1 Wonik Materials Details
  - 7.6.2 Wonik Materials Major Business
  - 7.6.3 Wonik Materials High Purity Dinitrogen Oxide Product and Services
- 7.6.4 Wonik Materials High Purity Dinitrogen Oxide Production, Price, Value, Gross Margin and Market Share (2018-2023)
- 7.6.5 Wonik Materials Recent Developments/Updates
- 7.6.6 Wonik Materials Competitive Strengths & Weaknesses
- 7.7 Resonac
  - 7.7.1 Resonac Details
  - 7.7.2 Resonac Major Business
  - 7.7.3 Resonac High Purity Dinitrogen Oxide Product and Services
- 7.7.4 Resonac High Purity Dinitrogen Oxide Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.7.5 Resonac Recent Developments/Updates
  - 7.7.6 Resonac Competitive Strengths & Weaknesses
- 7.8 Linggas
  - 7.8.1 Linggas Details
  - 7.8.2 Linggas Major Business
  - 7.8.3 Linggas High Purity Dinitrogen Oxide Product and Services
- 7.8.4 Linggas High Purity Dinitrogen Oxide Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.8.5 Linggas Recent Developments/Updates
- 7.8.6 Linggas Competitive Strengths & Weaknesses



- 7.9 Taiyo Nippon Sanso
  - 7.9.1 Taiyo Nippon Sanso Details
  - 7.9.2 Taiyo Nippon Sanso Major Business
  - 7.9.3 Taiyo Nippon Sanso High Purity Dinitrogen Oxide Product and Services
  - 7.9.4 Taiyo Nippon Sanso High Purity Dinitrogen Oxide Production, Price, Value,

Gross Margin and Market Share (2018-2023)

- 7.9.5 Taiyo Nippon Sanso Recent Developments/Updates
- 7.9.6 Taiyo Nippon Sanso Competitive Strengths & Weaknesses
- 7.10 Messer
  - 7.10.1 Messer Details
  - 7.10.2 Messer Major Business
  - 7.10.3 Messer High Purity Dinitrogen Oxide Product and Services
- 7.10.4 Messer High Purity Dinitrogen Oxide Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.10.5 Messer Recent Developments/Updates
  - 7.10.6 Messer Competitive Strengths & Weaknesses
- 7.11 Merck Group
  - 7.11.1 Merck Group Details
  - 7.11.2 Merck Group Major Business
  - 7.11.3 Merck Group High Purity Dinitrogen Oxide Product and Services
- 7.11.4 Merck Group High Purity Dinitrogen Oxide Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.11.5 Merck Group Recent Developments/Updates
  - 7.11.6 Merck Group Competitive Strengths & Weaknesses
- 7.12 Huate Gas
  - 7.12.1 Huate Gas Details
  - 7.12.2 Huate Gas Major Business
  - 7.12.3 Huate Gas High Purity Dinitrogen Oxide Product and Services
- 7.12.4 Huate Gas High Purity Dinitrogen Oxide Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.12.5 Huate Gas Recent Developments/Updates
  - 7.12.6 Huate Gas Competitive Strengths & Weaknesses

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

- 8.1 High Purity Dinitrogen Oxide Industry Chain
- 8.2 High Purity Dinitrogen Oxide Upstream Analysis
  - 8.2.1 High Purity Dinitrogen Oxide Core Raw Materials
- 8.2.2 Main Manufacturers of High Purity Dinitrogen Oxide Core Raw Materials



- 8.3 Midstream Analysis
- 8.4 Downstream Analysis
- 8.5 High Purity Dinitrogen Oxide Production Mode
- 8.6 High Purity Dinitrogen Oxide Procurement Model
- 8.7 High Purity Dinitrogen Oxide Industry Sales Model and Sales Channels
  - 8.7.1 High Purity Dinitrogen Oxide Sales Model
  - 8.7.2 High Purity Dinitrogen Oxide Typical Customers

#### 9 RESEARCH FINDINGS AND CONCLUSION

#### **10 APPENDIX**

- 10.1 Methodology
- 10.2 Research Process and Data Source
- 10.3 Disclaimer



#### **List Of Tables**

#### LIST OF TABLES

Table 1. World High Purity Dinitrogen Oxide Production Value by Region (2018, 2022 and 2029) & (USD Million)

Table 2. World High Purity Dinitrogen Oxide Production Value by Region (2018-2023) & (USD Million)

Table 3. World High Purity Dinitrogen Oxide Production Value by Region (2024-2029) & (USD Million)

Table 4. World High Purity Dinitrogen Oxide Production Value Market Share by Region (2018-2023)

Table 5. World High Purity Dinitrogen Oxide Production Value Market Share by Region (2024-2029)

Table 6. World High Purity Dinitrogen Oxide Production by Region (2018-2023) & (Tons)

Table 7. World High Purity Dinitrogen Oxide Production by Region (2024-2029) & (Tons)

Table 8. World High Purity Dinitrogen Oxide Production Market Share by Region (2018-2023)

Table 9. World High Purity Dinitrogen Oxide Production Market Share by Region (2024-2029)

Table 10. World High Purity Dinitrogen Oxide Average Price by Region (2018-2023) & (US\$/Ton)

Table 11. World High Purity Dinitrogen Oxide Average Price by Region (2024-2029) & (US\$/Ton)

Table 12. High Purity Dinitrogen Oxide Major Market Trends

Table 13. World High Purity Dinitrogen Oxide Consumption Growth Rate Forecast by Region (2018 & 2022 & 2029) & (Tons)

Table 14. World High Purity Dinitrogen Oxide Consumption by Region (2018-2023) & (Tons)

Table 15. World High Purity Dinitrogen Oxide Consumption Forecast by Region (2024-2029) & (Tons)

Table 16. World High Purity Dinitrogen Oxide Production Value by Manufacturer (2018-2023) & (USD Million)

Table 17. Production Value Market Share of Key High Purity Dinitrogen Oxide Producers in 2022

Table 18. World High Purity Dinitrogen Oxide Production by Manufacturer (2018-2023) & (Tons)



Table 19. Production Market Share of Key High Purity Dinitrogen Oxide Producers in 2022

Table 20. World High Purity Dinitrogen Oxide Average Price by Manufacturer (2018-2023) & (US\$/Ton)

Table 21. Global High Purity Dinitrogen Oxide Company Evaluation Quadrant

Table 22. World High Purity Dinitrogen Oxide Industry Rank of Major Manufacturers, Based on Production Value in 2022

Table 23. Head Office and High Purity Dinitrogen Oxide Production Site of Key Manufacturer

Table 24. High Purity Dinitrogen Oxide Market: Company Product Type Footprint

Table 25. High Purity Dinitrogen Oxide Market: Company Product Application Footprint

Table 26. High Purity Dinitrogen Oxide Competitive Factors

Table 27. High Purity Dinitrogen Oxide New Entrant and Capacity Expansion Plans

Table 28. High Purity Dinitrogen Oxide Mergers & Acquisitions Activity

Table 29. United States VS China High Purity Dinitrogen Oxide Production Value Comparison, (2018 & 2022 & 2029) & (USD Million)

Table 30. United States VS China High Purity Dinitrogen Oxide Production Comparison, (2018 & 2022 & 2029) & (Tons)

Table 31. United States VS China High Purity Dinitrogen Oxide Consumption Comparison, (2018 & 2022 & 2029) & (Tons)

Table 32. United States Based High Purity Dinitrogen Oxide Manufacturers,

Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers High Purity Dinitrogen Oxide Production Value, (2018-2023) & (USD Million)

Table 34. United States Based Manufacturers High Purity Dinitrogen Oxide Production Value Market Share (2018-2023)

Table 35. United States Based Manufacturers High Purity Dinitrogen Oxide Production (2018-2023) & (Tons)

Table 36. United States Based Manufacturers High Purity Dinitrogen Oxide Production Market Share (2018-2023)

Table 37. China Based High Purity Dinitrogen Oxide Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers High Purity Dinitrogen Oxide Production Value, (2018-2023) & (USD Million)

Table 39. China Based Manufacturers High Purity Dinitrogen Oxide Production Value Market Share (2018-2023)

Table 40. China Based Manufacturers High Purity Dinitrogen Oxide Production (2018-2023) & (Tons)

Table 41. China Based Manufacturers High Purity Dinitrogen Oxide Production Market



Share (2018-2023)

Table 42. Rest of World Based High Purity Dinitrogen Oxide Manufacturers,

Headquarters and Production Site (States, Country)

Table 43. Rest of World Based Manufacturers High Purity Dinitrogen Oxide Production Value, (2018-2023) & (USD Million)

Table 44. Rest of World Based Manufacturers High Purity Dinitrogen Oxide Production Value Market Share (2018-2023)

Table 45. Rest of World Based Manufacturers High Purity Dinitrogen Oxide Production (2018-2023) & (Tons)

Table 46. Rest of World Based Manufacturers High Purity Dinitrogen Oxide Production Market Share (2018-2023)

Table 47. World High Purity Dinitrogen Oxide Production Value by Type, (USD Million), 2018 & 2022 & 2029

Table 48. World High Purity Dinitrogen Oxide Production by Type (2018-2023) & (Tons)

Table 49. World High Purity Dinitrogen Oxide Production by Type (2024-2029) & (Tons)

Table 50. World High Purity Dinitrogen Oxide Production Value by Type (2018-2023) & (USD Million)

Table 51. World High Purity Dinitrogen Oxide Production Value by Type (2024-2029) & (USD Million)

Table 52. World High Purity Dinitrogen Oxide Average Price by Type (2018-2023) & (US\$/Ton)

Table 53. World High Purity Dinitrogen Oxide Average Price by Type (2024-2029) & (US\$/Ton)

Table 54. World High Purity Dinitrogen Oxide Production Value by Application, (USD Million), 2018 & 2022 & 2029

Table 55. World High Purity Dinitrogen Oxide Production by Application (2018-2023) & (Tons)

Table 56. World High Purity Dinitrogen Oxide Production by Application (2024-2029) & (Tons)

Table 57. World High Purity Dinitrogen Oxide Production Value by Application (2018-2023) & (USD Million)

Table 58. World High Purity Dinitrogen Oxide Production Value by Application (2024-2029) & (USD Million)

Table 59. World High Purity Dinitrogen Oxide Average Price by Application (2018-2023) & (US\$/Ton)

Table 60. World High Purity Dinitrogen Oxide Average Price by Application (2024-2029) & (US\$/Ton)

Table 61. Linde Basic Information, Manufacturing Base and Competitors

Table 62. Linde Major Business



- Table 63. Linde High Purity Dinitrogen Oxide Product and Services
- Table 64. Linde High Purity Dinitrogen Oxide Production (Tons), Price (US\$/Ton),

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

- Table 65. Linde Recent Developments/Updates
- Table 66. Linde Competitive Strengths & Weaknesses
- Table 67. Chongqing Tonghui Gas Basic Information, Manufacturing Base and Competitors
- Table 68. Chongqing Tonghui Gas Major Business
- Table 69. Chongqing Tonghui Gas High Purity Dinitrogen Oxide Product and Services
- Table 70. Chongqing Tonghui Gas High Purity Dinitrogen Oxide Production (Tons),
- Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 71. Chongqing Tonghui Gas Recent Developments/Updates
- Table 72. Chongqing Tonghui Gas Competitive Strengths & Weaknesses
- Table 73. Air Liquide Basic Information, Manufacturing Base and Competitors
- Table 74. Air Liquide Major Business
- Table 75. Air Liquide High Purity Dinitrogen Oxide Product and Services
- Table 76. Air Liquide High Purity Dinitrogen Oxide Production (Tons), Price (US\$/Ton),

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

- Table 77. Air Liquide Recent Developments/Updates
- Table 78. Air Liquide Competitive Strengths & Weaknesses
- Table 79. Sumitomo Seika Chemicals Basic Information, Manufacturing Base and Competitors
- Table 80. Sumitomo Seika Chemicals Major Business
- Table 81. Sumitomo Seika Chemicals High Purity Dinitrogen Oxide Product and Services
- Table 82. Sumitomo Seika Chemicals High Purity Dinitrogen Oxide Production (Tons),
- Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 83. Sumitomo Seika Chemicals Recent Developments/Updates
- Table 84. Sumitomo Seika Chemicals Competitive Strengths & Weaknesses
- Table 85. Jinhong Gas Basic Information, Manufacturing Base and Competitors
- Table 86. Jinhong Gas Major Business
- Table 87. Jinhong Gas High Purity Dinitrogen Oxide Product and Services
- Table 88. Jinhong Gas High Purity Dinitrogen Oxide Production (Tons), Price
- (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 89. Jinhong Gas Recent Developments/Updates
- Table 90. Jinhong Gas Competitive Strengths & Weaknesses



- Table 91. Wonik Materials Basic Information, Manufacturing Base and Competitors
- Table 92. Wonik Materials Major Business
- Table 93. Wonik Materials High Purity Dinitrogen Oxide Product and Services
- Table 94. Wonik Materials High Purity Dinitrogen Oxide Production (Tons), Price
- (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 95. Wonik Materials Recent Developments/Updates
- Table 96. Wonik Materials Competitive Strengths & Weaknesses
- Table 97. Resonac Basic Information, Manufacturing Base and Competitors
- Table 98. Resonac Major Business
- Table 99. Resonac High Purity Dinitrogen Oxide Product and Services
- Table 100. Resonac High Purity Dinitrogen Oxide Production (Tons), Price (US\$/Ton),
- Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 101. Resonac Recent Developments/Updates
- Table 102. Resonac Competitive Strengths & Weaknesses
- Table 103. Linggas Basic Information, Manufacturing Base and Competitors
- Table 104. Linggas Major Business
- Table 105. Linggas High Purity Dinitrogen Oxide Product and Services
- Table 106. Linggas High Purity Dinitrogen Oxide Production (Tons), Price (US\$/Ton),
- Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 107. Linggas Recent Developments/Updates
- Table 108. Linggas Competitive Strengths & Weaknesses
- Table 109. Taiyo Nippon Sanso Basic Information, Manufacturing Base and Competitors
- Table 110. Taiyo Nippon Sanso Major Business
- Table 111. Taiyo Nippon Sanso High Purity Dinitrogen Oxide Product and Services
- Table 112. Taiyo Nippon Sanso High Purity Dinitrogen Oxide Production (Tons), Price
- (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 113. Taiyo Nippon Sanso Recent Developments/Updates
- Table 114. Taiyo Nippon Sanso Competitive Strengths & Weaknesses
- Table 115. Messer Basic Information, Manufacturing Base and Competitors
- Table 116. Messer Major Business
- Table 117. Messer High Purity Dinitrogen Oxide Product and Services
- Table 118. Messer High Purity Dinitrogen Oxide Production (Tons), Price (US\$/Ton),
- Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 119. Messer Recent Developments/Updates
- Table 120. Messer Competitive Strengths & Weaknesses
- Table 121. Merck Group Basic Information, Manufacturing Base and Competitors



- Table 122. Merck Group Major Business
- Table 123. Merck Group High Purity Dinitrogen Oxide Product and Services
- Table 124. Merck Group High Purity Dinitrogen Oxide Production (Tons), Price
- (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 125. Merck Group Recent Developments/Updates
- Table 126. Huate Gas Basic Information, Manufacturing Base and Competitors
- Table 127. Huate Gas Major Business
- Table 128. Huate Gas High Purity Dinitrogen Oxide Product and Services
- Table 129. Huate Gas High Purity Dinitrogen Oxide Production (Tons), Price (US\$/Ton),
- Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 130. Global Key Players of High Purity Dinitrogen Oxide Upstream (Raw Materials)
- Table 131. High Purity Dinitrogen Oxide Typical Customers
- Table 132. High Purity Dinitrogen Oxide Typical Distributors
- List of Figure
- Figure 1. High Purity Dinitrogen Oxide Picture
- Figure 2. World High Purity Dinitrogen Oxide Production Value: 2018 & 2022 & 2029, (USD Million)
- Figure 3. World High Purity Dinitrogen Oxide Production Value and Forecast (2018-2029) & (USD Million)
- Figure 4. World High Purity Dinitrogen Oxide Production (2018-2029) & (Tons)
- Figure 5. World High Purity Dinitrogen Oxide Average Price (2018-2029) & (US\$/Ton)
- Figure 6. World High Purity Dinitrogen Oxide Production Value Market Share by Region (2018-2029)
- Figure 7. World High Purity Dinitrogen Oxide Production Market Share by Region (2018-2029)
- Figure 8. North America High Purity Dinitrogen Oxide Production (2018-2029) & (Tons)
- Figure 9. Europe High Purity Dinitrogen Oxide Production (2018-2029) & (Tons)
- Figure 10. China High Purity Dinitrogen Oxide Production (2018-2029) & (Tons)
- Figure 11. Japan High Purity Dinitrogen Oxide Production (2018-2029) & (Tons)
- Figure 12. High Purity Dinitrogen Oxide Market Drivers
- Figure 13. Factors Affecting Demand
- Figure 14. World High Purity Dinitrogen Oxide Consumption (2018-2029) & (Tons)
- Figure 15. World High Purity Dinitrogen Oxide Consumption Market Share by Region (2018-2029)
- Figure 16. United States High Purity Dinitrogen Oxide Consumption (2018-2029) & (Tons)
- Figure 17. China High Purity Dinitrogen Oxide Consumption (2018-2029) & (Tons)



- Figure 18. Europe High Purity Dinitrogen Oxide Consumption (2018-2029) & (Tons)
- Figure 19. Japan High Purity Dinitrogen Oxide Consumption (2018-2029) & (Tons)
- Figure 20. South Korea High Purity Dinitrogen Oxide Consumption (2018-2029) & (Tons)
- Figure 21. ASEAN High Purity Dinitrogen Oxide Consumption (2018-2029) & (Tons)
- Figure 22. India High Purity Dinitrogen Oxide Consumption (2018-2029) & (Tons)
- Figure 23. Producer Shipments of High Purity Dinitrogen Oxide by Manufacturer Revenue (\$MM) and Market Share (%): 2022
- Figure 24. Global Four-firm Concentration Ratios (CR4) for High Purity Dinitrogen Oxide Markets in 2022
- Figure 25. Global Four-firm Concentration Ratios (CR8) for High Purity Dinitrogen Oxide Markets in 2022
- Figure 26. United States VS China: High Purity Dinitrogen Oxide Production Value Market Share Comparison (2018 & 2022 & 2029)
- Figure 27. United States VS China: High Purity Dinitrogen Oxide Production Market Share Comparison (2018 & 2022 & 2029)
- Figure 28. United States VS China: High Purity Dinitrogen Oxide Consumption Market Share Comparison (2018 & 2022 & 2029)
- Figure 29. United States Based Manufacturers High Purity Dinitrogen Oxide Production Market Share 2022
- Figure 30. China Based Manufacturers High Purity Dinitrogen Oxide Production Market Share 2022
- Figure 31. Rest of World Based Manufacturers High Purity Dinitrogen Oxide Production Market Share 2022
- Figure 32. World High Purity Dinitrogen Oxide Production Value by Type, (USD Million), 2018 & 2022 & 2029
- Figure 33. World High Purity Dinitrogen Oxide Production Value Market Share by Type in 2022
- Figure 34.5N
- Figure 35. 5.5N
- Figure 36. World High Purity Dinitrogen Oxide Production Market Share by Type (2018-2029)
- Figure 37. World High Purity Dinitrogen Oxide Production Value Market Share by Type (2018-2029)
- Figure 38. World High Purity Dinitrogen Oxide Average Price by Type (2018-2029) & (US\$/Ton)
- Figure 39. World High Purity Dinitrogen Oxide Production Value by Application, (USD Million), 2018 & 2022 & 2029
- Figure 40. World High Purity Dinitrogen Oxide Production Value Market Share by



Application in 2022

Figure 41. Electronics & Semiconductor

Figure 42. Food

Figure 43. Medical

Figure 44. World High Purity Dinitrogen Oxide Production Market Share by Application (2018-2029)

Figure 45. World High Purity Dinitrogen Oxide Production Value Market Share by Application (2018-2029)

Figure 46. World High Purity Dinitrogen Oxide Average Price by Application (2018-2029) & (US\$/Ton)

Figure 47. High Purity Dinitrogen Oxide Industry Chain

Figure 48. High Purity Dinitrogen Oxide Procurement Model

Figure 49. High Purity Dinitrogen Oxide Sales Model

Figure 50. High Purity Dinitrogen Oxide Sales Channels, Direct Sales, and Distribution

Figure 51. Methodology

Figure 52. Research Process and Data Source



#### I would like to order

Product name: Global High Purity Dinitrogen Oxide Supply, Demand and Key Producers, 2023-2029

Product link: <a href="https://marketpublishers.com/r/G9E0A73E91E0EN.html">https://marketpublishers.com/r/G9E0A73E91E0EN.html</a>

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

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

Service:

info@marketpublishers.com

## **Payment**

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <a href="https://marketpublishers.com/r/G9E0A73E91E0EN.html">https://marketpublishers.com/r/G9E0A73E91E0EN.html</a>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:	
Last name:	
Email:	
Company:	
Address:	
City:	
Zip code:	
Country:	
Tel:	
Fax:	
Your message:	
	**All fields are required
	Custumer signature

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

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970