

# Global Niobium Disulfide Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Niobium Disulfide market size is expected to reach \$ 149 million by 2032, rising at a market growth of 9.5% CAGR during the forecast period (2026-2032).

Niobium Disulfide (NbS<sub>2</sub>) is a layered transition metal dichalcogenide (TMD) composed of niobium and sulfur, known for its metallic conductivity, excellent chemical stability, and two-dimensional (2D) lamellar structure, which enables applications in energy storage (e.g., battery electrodes), catalysis (hydrogen evolution reaction), lubricants, and advanced electronics. The supply chain begins upstream with raw materials extraction?niobium primarily sourced from minerals such as columbite and pyrochlore (dominated by producers in Brazil and Canada), and sulfur obtained as a byproduct of oil and gas refining. In the midstream, NbS<sub>2</sub> is synthesized through processes such as solid-state reaction (high-temperature sulfurization of niobium metal or niobium oxides), chemical vapor transport (CVT), or chemical vapor deposition (CVD) for high-purity or thin-film forms. Downstream, the material is processed into powders, nanosheets, or coatings and integrated into applications across energy storage systems, electrocatalysis, solid lubricants, and emerging 2D electronics, with end users including battery manufacturers, chemical companies, semiconductor R&D labs, and advanced materials developers. In 2025, global Niobium Disulfide output was about 3,000 tons with 5,000 tons of capacity, average prices of USD 20,000?40,000 per ton, and gross margins around 37%.

This report studies the global Niobium Disulfide production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Niobium Disulfide and provides market size (US\$ million) and Year-over-Year (YoY) Growth,

considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Niobium Disulfide that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global Niobium Disulfide total production and demand, 2021-2032, (Tons)

Global Niobium Disulfide total production value, 2021-2032, (USD Million)

Global Niobium Disulfide production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)

Global Niobium Disulfide consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: Niobium Disulfide domestic production, consumption, key domestic manufacturers and share

Global Niobium Disulfide production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global Niobium Disulfide production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

Global Niobium Disulfide production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global Niobium Disulfide 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 Kojundo Chemical (Japan), HQ Graphene (Netherlands), 2D Semiconductors (USA), American Elements (USA), Princeton Powder (USA), Furuuchi Chemical (Japan), Beijing Zhongnuo Advanced Material (China), Shanghai Xinglu Chemical Technology (China), Hunan Huawei Jingcheng Material Technology (China), Shanghai MaterWin New Materials (China), etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Niobium Disulfide 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 2021-2032 by

year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

#### Global Niobium Disulfide Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global Niobium Disulfide Market, Segmentation by Type:

Industrial Grade (95-99%)

High-Purity Grade (99?99.9%)

Ultra-High-Purity Grade (>99.9%)

#### Global Niobium Disulfide Market, Segmentation by Crystal Structure:

Hexagonal Phase

Trigonal Phase

Amorphous Phase

## Global Niobium Disulfide Market, Segmentation by Application:

Energy Storage

Electrocatalyst

Solid Lubricant

Others

## Companies Profiled:

Kojundo Chemical (Japan)

HQ Graphene (Netherlands)

2D Semiconductors (USA)

American Elements (USA)

Princeton Powder (USA)

Furuuchi Chemical (Japan)

Beijing Zhongnuo Advanced Material (China)

Shanghai Xinglu Chemical Technology (China)

Hunan Huawei Jingcheng Material Technology (China)

Shanghai MaterWin New Materials (China)

## Key Questions Answered:

1. How big is the global Niobium Disulfide market?
2. What is the demand of the global Niobium Disulfide market?
3. What is the year over year growth of the global Niobium Disulfide market?
4. What is the production and production value of the global Niobium Disulfide market?

5. Who are the key producers in the global Niobium Disulfide market?
6. What are the growth factors driving the market demand?

## Contents

### 1 SUPPLY SUMMARY

- 1.1 Niobium Disulfide Introduction
- 1.2 World Niobium Disulfide Supply & Forecast
  - 1.2.1 World Niobium Disulfide Production Value (2021 & 2025 & 2032)
  - 1.2.2 World Niobium Disulfide Production (2021-2032)
  - 1.2.3 World Niobium Disulfide Pricing Trends (2021-2032)
- 1.3 World Niobium Disulfide Production by Region (Based on Production Site)
  - 1.3.1 World Niobium Disulfide Production Value by Region (2021-2032)
  - 1.3.2 World Niobium Disulfide Production by Region (2021-2032)
  - 1.3.3 World Niobium Disulfide Average Price by Region (2021-2032)
  - 1.3.4 North America Niobium Disulfide Production (2021-2032)
  - 1.3.5 Europe Niobium Disulfide Production (2021-2032)
  - 1.3.6 China Niobium Disulfide Production (2021-2032)
  - 1.3.7 Japan Niobium Disulfide Production (2021-2032)
  - 1.3.8 India Niobium Disulfide Production (2021-2032)
  - 1.3.9 Southeast Asia Niobium Disulfide Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
  - 1.4.1 Niobium Disulfide Market Drivers
  - 1.4.2 Factors Affecting Demand
  - 1.4.3 Niobium Disulfide Major Market Trends

### 2 DEMAND SUMMARY

- 2.1 World Niobium Disulfide Demand (2021-2032)
- 2.2 World Niobium Disulfide Consumption by Region
  - 2.2.1 World Niobium Disulfide Consumption by Region (2021-2026)
  - 2.2.2 World Niobium Disulfide Consumption Forecast by Region (2027-2032)
- 2.3 United States Niobium Disulfide Consumption (2021-2032)
- 2.4 China Niobium Disulfide Consumption (2021-2032)
- 2.5 Europe Niobium Disulfide Consumption (2021-2032)
- 2.6 Japan Niobium Disulfide Consumption (2021-2032)
- 2.7 South Korea Niobium Disulfide Consumption (2021-2032)
- 2.8 ASEAN Niobium Disulfide Consumption (2021-2032)
- 2.9 India Niobium Disulfide Consumption (2021-2032)

### 3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World Niobium Disulfide Production Value by Manufacturer (2021-2026)
- 3.2 World Niobium Disulfide Production by Manufacturer (2021-2026)
- 3.3 World Niobium Disulfide Average Price by Manufacturer (2021-2026)
- 3.4 Niobium Disulfide Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
  - 3.5.1 Global Niobium Disulfide Industry Rank of Major Manufacturers
  - 3.5.2 Global Concentration Ratios (CR4) for Niobium Disulfide in 2025
  - 3.5.3 Global Concentration Ratios (CR8) for Niobium Disulfide in 2025
- 3.6 Niobium Disulfide Market: Overall Company Footprint Analysis
  - 3.6.1 Niobium Disulfide Market: Region Footprint
  - 3.6.2 Niobium Disulfide Market: Company Product Type Footprint
  - 3.6.3 Niobium Disulfide 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: Niobium Disulfide Production Value Comparison
  - 4.1.1 United States VS China: Niobium Disulfide Production Value Comparison (2021 & 2025 & 2032)
  - 4.1.2 United States VS China: Niobium Disulfide Production Value Market Share Comparison (2021 & 2025 & 2032)
- 4.2 United States VS China: Niobium Disulfide Production Comparison
  - 4.2.1 United States VS China: Niobium Disulfide Production Comparison (2021 & 2025 & 2032)
  - 4.2.2 United States VS China: Niobium Disulfide Production Market Share Comparison (2021 & 2025 & 2032)
- 4.3 United States VS China: Niobium Disulfide Consumption Comparison
  - 4.3.1 United States VS China: Niobium Disulfide Consumption Comparison (2021 & 2025 & 2032)
  - 4.3.2 United States VS China: Niobium Disulfide Consumption Market Share Comparison (2021 & 2025 & 2032)
- 4.4 United States Based Niobium Disulfide Manufacturers and Market Share, 2021-2026

4.4.1 United States Based Niobium Disulfide Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Niobium Disulfide Production Value (2021-2026)

4.4.3 United States Based Manufacturers Niobium Disulfide Production (2021-2026)  
4.5 China Based Niobium Disulfide Manufacturers and Market Share

4.5.1 China Based Niobium Disulfide Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Niobium Disulfide Production Value (2021-2026)

4.5.3 China Based Manufacturers Niobium Disulfide Production (2021-2026)

4.6 Rest of World Based Niobium Disulfide Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based Niobium Disulfide Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Niobium Disulfide Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Niobium Disulfide Production (2021-2026)

## **5 MARKET ANALYSIS BY TYPE**

5.1 World Niobium Disulfide Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Industrial Grade (95-99%)

5.2.2 High-Purity Grade (99?99.9%)

5.2.3 Ultra-High-Purity Grade (>99.9%)

5.3 Market Segment by Type

5.3.1 World Niobium Disulfide Production by Type (2021-2032)

5.3.2 World Niobium Disulfide Production Value by Type (2021-2032)

5.3.3 World Niobium Disulfide Average Price by Type (2021-2032)

## **6 MARKET ANALYSIS BY CRYSTAL STRUCTURE**

6.1 World Niobium Disulfide Market Size Overview by Crystal Structure: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Crystal Structure

6.2.1 Hexagonal Phase

6.2.2 Trigonal Phase

6.2.3 Amorphous Phase

6.3 Market Segment by Crystal Structure

- 6.3.1 World Niobium Disulfide Production by Crystal Structure (2021-2032)
- 6.3.2 World Niobium Disulfide Production Value by Crystal Structure (2021-2032)
- 6.3.3 World Niobium Disulfide Average Price by Crystal Structure (2021-2032)

## **7 MARKET ANALYSIS BY APPLICATION**

- 7.1 World Niobium Disulfide Market Size Overview by Application: 2021 VS 2025 VS 2032
- 7.2 Segment Introduction by Application
  - 7.2.1 Energy Storage
  - 7.2.2 Electrocatalyst
  - 7.2.3 Solid Lubricant
  - 7.2.4 Others
- 7.3 Market Segment by Application
  - 7.3.1 World Niobium Disulfide Production by Application (2021-2032)
  - 7.3.2 World Niobium Disulfide Production Value by Application (2021-2032)
  - 7.3.3 World Niobium Disulfide Average Price by Application (2021-2032)

## **8 COMPANY PROFILES**

- 8.1 Kojundo Chemical (Japan)
  - 8.1.1 Kojundo Chemical (Japan) Details
  - 8.1.2 Kojundo Chemical (Japan) Major Business
  - 8.1.3 Kojundo Chemical (Japan) Niobium Disulfide Product and Services
  - 8.1.4 Kojundo Chemical (Japan) Niobium Disulfide Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 8.1.5 Kojundo Chemical (Japan) Recent Developments/Updates
  - 8.1.6 Kojundo Chemical (Japan) Competitive Strengths & Weaknesses
- 8.2 HQ Graphene (Netherlands)
  - 8.2.1 HQ Graphene (Netherlands) Details
  - 8.2.2 HQ Graphene (Netherlands) Major Business
  - 8.2.3 HQ Graphene (Netherlands) Niobium Disulfide Product and Services
  - 8.2.4 HQ Graphene (Netherlands) Niobium Disulfide Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 8.2.5 HQ Graphene (Netherlands) Recent Developments/Updates
  - 8.2.6 HQ Graphene (Netherlands) Competitive Strengths & Weaknesses
- 8.3 2D Semiconductors (USA)
  - 8.3.1 2D Semiconductors (USA) Details
  - 8.3.2 2D Semiconductors (USA) Major Business

- 8.3.3 2D Semiconductors (USA) Niobium Disulfide Product and Services
- 8.3.4 2D Semiconductors (USA) Niobium Disulfide Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 8.3.5 2D Semiconductors (USA) Recent Developments/Updates
- 8.3.6 2D Semiconductors (USA) Competitive Strengths & Weaknesses
- 8.4 American Elements (USA)
  - 8.4.1 American Elements (USA) Details
  - 8.4.2 American Elements (USA) Major Business
  - 8.4.3 American Elements (USA) Niobium Disulfide Product and Services
  - 8.4.4 American Elements (USA) Niobium Disulfide Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 8.4.5 American Elements (USA) Recent Developments/Updates
  - 8.4.6 American Elements (USA) Competitive Strengths & Weaknesses
- 8.5 Princeton Powder (USA)
  - 8.5.1 Princeton Powder (USA) Details
  - 8.5.2 Princeton Powder (USA) Major Business
  - 8.5.3 Princeton Powder (USA) Niobium Disulfide Product and Services
  - 8.5.4 Princeton Powder (USA) Niobium Disulfide Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 8.5.5 Princeton Powder (USA) Recent Developments/Updates
  - 8.5.6 Princeton Powder (USA) Competitive Strengths & Weaknesses
- 8.6 Furuuchi Chemical (Japan)
  - 8.6.1 Furuuchi Chemical (Japan) Details
  - 8.6.2 Furuuchi Chemical (Japan) Major Business
  - 8.6.3 Furuuchi Chemical (Japan) Niobium Disulfide Product and Services
  - 8.6.4 Furuuchi Chemical (Japan) Niobium Disulfide Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 8.6.5 Furuuchi Chemical (Japan) Recent Developments/Updates
  - 8.6.6 Furuuchi Chemical (Japan) Competitive Strengths & Weaknesses
- 8.7 Beijing Zhongnuo Advanced Material (China)
  - 8.7.1 Beijing Zhongnuo Advanced Material (China) Details
  - 8.7.2 Beijing Zhongnuo Advanced Material (China) Major Business
  - 8.7.3 Beijing Zhongnuo Advanced Material (China) Niobium Disulfide Product and Services
  - 8.7.4 Beijing Zhongnuo Advanced Material (China) Niobium Disulfide Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 8.7.5 Beijing Zhongnuo Advanced Material (China) Recent Developments/Updates
  - 8.7.6 Beijing Zhongnuo Advanced Material (China) Competitive Strengths & Weaknesses

## 8.8 Shanghai Xinglu Chemical Technology (China)

8.8.1 Shanghai Xinglu Chemical Technology (China) Details

8.8.2 Shanghai Xinglu Chemical Technology (China) Major Business

8.8.3 Shanghai Xinglu Chemical Technology (China) Niobium Disulfide Product and Services

8.8.4 Shanghai Xinglu Chemical Technology (China) Niobium Disulfide Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.8.5 Shanghai Xinglu Chemical Technology (China) Recent Developments/Updates

8.8.6 Shanghai Xinglu Chemical Technology (China) Competitive Strengths & Weaknesses

## 8.9 Hunan Huawei Jingcheng Material Technology (China)

8.9.1 Hunan Huawei Jingcheng Material Technology (China) Details

8.9.2 Hunan Huawei Jingcheng Material Technology (China) Major Business

8.9.3 Hunan Huawei Jingcheng Material Technology (China) Niobium Disulfide Product and Services

8.9.4 Hunan Huawei Jingcheng Material Technology (China) Niobium Disulfide Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.9.5 Hunan Huawei Jingcheng Material Technology (China) Recent Developments/Updates

8.9.6 Hunan Huawei Jingcheng Material Technology (China) Competitive Strengths & Weaknesses

## 8.10 Shanghai MaterWin New Materials (China)

8.10.1 Shanghai MaterWin New Materials (China) Details

8.10.2 Shanghai MaterWin New Materials (China) Major Business

8.10.3 Shanghai MaterWin New Materials (China) Niobium Disulfide Product and Services

8.10.4 Shanghai MaterWin New Materials (China) Niobium Disulfide Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.10.5 Shanghai MaterWin New Materials (China) Recent Developments/Updates

8.10.6 Shanghai MaterWin New Materials (China) Competitive Strengths & Weaknesses

## 9 INDUSTRY CHAIN ANALYSIS

### 9.1 Niobium Disulfide Industry Chain

### 9.2 Niobium Disulfide Upstream Analysis

9.2.1 Niobium Disulfide Core Raw Materials

9.2.2 Main Manufacturers of Niobium Disulfide Core Raw Materials

### 9.3 Midstream Analysis

9.4 Downstream Analysis

9.5 Niobium Disulfide Production Mode

9.6 Niobium Disulfide Procurement Model

9.7 Niobium Disulfide Industry Sales Model and Sales Channels

9.7.1 Niobium Disulfide Sales Model

9.7.2 Niobium Disulfide Typical Distributors

## **10 RESEARCH FINDINGS AND CONCLUSION**

## **11 APPENDIX**

11.1 Methodology

11.2 Research Process and Data Source

11.3 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. World Niobium Disulfide Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World Niobium Disulfide Production Value by Region (2021-2026) & (USD Million)

Table 3. World Niobium Disulfide Production Value by Region (2027-2032) & (USD Million)

Table 4. World Niobium Disulfide Production Value Market Share by Region (2021-2026)

Table 5. World Niobium Disulfide Production Value Market Share by Region (2027-2032)

Table 6. World Niobium Disulfide Production by Region (2021-2026) & (Tons)

Table 7. World Niobium Disulfide Production by Region (2027-2032) & (Tons)

Table 8. World Niobium Disulfide Production Market Share by Region (2021-2026)

Table 9. World Niobium Disulfide Production Market Share by Region (2027-2032)

Table 10. World Niobium Disulfide Average Price by Region (2021-2026) & (US\$/Ton)

Table 11. World Niobium Disulfide Average Price by Region (2027-2032) & (US\$/Ton)

Table 12. Niobium Disulfide Major Market Trends

Table 13. World Niobium Disulfide Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (Tons)

Table 14. World Niobium Disulfide Consumption by Region (2021-2026) & (Tons)

Table 15. World Niobium Disulfide Consumption Forecast by Region (2027-2032) & (Tons)

Table 16. World Niobium Disulfide Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key Niobium Disulfide Producers in 2025

Table 18. World Niobium Disulfide Production by Manufacturer (2021-2026) & (Tons)

Table 19. Production Market Share of Key Niobium Disulfide Producers in 2025

Table 20. World Niobium Disulfide Average Price by Manufacturer (2021-2026) & (US\$/Ton)

Table 21. Global Niobium Disulfide Company Evaluation Quadrant

Table 22. World Niobium Disulfide Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and Niobium Disulfide Production Site of Key Manufacturer

Table 24. Niobium Disulfide Market: Company Product Type Footprint

Table 25. Niobium Disulfide Market: Company Product Application Footprint

Table 26. Niobium Disulfide Competitive Factors

Table 27. Niobium Disulfide New Entrant and Capacity Expansion Plans

Table 28. Niobium Disulfide Mergers & Acquisitions Activity

Table 29. United States VS China Niobium Disulfide Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China Niobium Disulfide Production Comparison, (2021 & 2025 & 2032) & (Tons)

Table 31. United States VS China Niobium Disulfide Consumption Comparison, (2021 & 2025 & 2032) & (Tons)

Table 32. United States Based Niobium Disulfide Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Niobium Disulfide Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers Niobium Disulfide Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers Niobium Disulfide Production (2021-2026) & (Tons)

Table 36. United States Based Manufacturers Niobium Disulfide Production Market Share (2021-2026)

Table 37. China Based Niobium Disulfide Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Niobium Disulfide Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers Niobium Disulfide Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers Niobium Disulfide Production, (2021-2026) & (Tons)

Table 41. China Based Manufacturers Niobium Disulfide Production Market Share (2021-2026)

Table 42. Rest of World Based Niobium Disulfide Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers Niobium Disulfide Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers Niobium Disulfide Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Niobium Disulfide Production, (2021-2026) & (Tons)

Table 46. Rest of World Based Manufacturers Niobium Disulfide Production Market Share (2021-2026)

Table 47. World Niobium Disulfide Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Niobium Disulfide Production by Type (2021-2026) & (Tons)

Table 49. World Niobium Disulfide Production by Type (2027-2032) & (Tons)

Table 50. World Niobium Disulfide Production Value by Type (2021-2026) & (USD Million)

Table 51. World Niobium Disulfide Production Value by Type (2027-2032) & (USD Million)

Table 52. World Niobium Disulfide Average Price by Type (2021-2026) & (US\$/Ton)

Table 53. World Niobium Disulfide Average Price by Type (2027-2032) & (US\$/Ton)

Table 54. World Niobium Disulfide Production Value by Crystal Structure, (USD Million), 2021 & 2025 & 2032

Table 55. World Niobium Disulfide Production by Crystal Structure (2021-2026) & (Tons)

Table 56. World Niobium Disulfide Production by Crystal Structure (2027-2032) & (Tons)

Table 57. World Niobium Disulfide Production Value by Crystal Structure (2021-2026) & (USD Million)

Table 58. World Niobium Disulfide Production Value by Crystal Structure (2027-2032) & (USD Million)

Table 59. World Niobium Disulfide Average Price by Crystal Structure (2021-2026) & (US\$/Ton)

Table 60. World Niobium Disulfide Average Price by Crystal Structure (2027-2032) & (US\$/Ton)

Table 61. World Niobium Disulfide Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 62. World Niobium Disulfide Production by Application (2021-2026) & (Tons)

Table 63. World Niobium Disulfide Production by Application (2027-2032) & (Tons)

Table 64. World Niobium Disulfide Production Value by Application (2021-2026) & (USD Million)

Table 65. World Niobium Disulfide Production Value by Application (2027-2032) & (USD Million)

Table 66. World Niobium Disulfide Average Price by Application (2021-2026) & (US\$/Ton)

Table 67. World Niobium Disulfide Average Price by Application (2027-2032) & (US\$/Ton)

Table 68. Kojundo Chemical (Japan) Basic Information, Manufacturing Base and Competitors

Table 69. Kojundo Chemical (Japan) Major Business

- Table 70. Kojundo Chemical (Japan) Niobium Disulfide Product and Services
- Table 71. Kojundo Chemical (Japan) Niobium Disulfide Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 72. Kojundo Chemical (Japan) Recent Developments/Updates
- Table 73. Kojundo Chemical (Japan) Competitive Strengths & Weaknesses
- Table 74. HQ Graphene (Netherlands) Basic Information, Manufacturing Base and Competitors
- Table 75. HQ Graphene (Netherlands) Major Business
- Table 76. HQ Graphene (Netherlands) Niobium Disulfide Product and Services
- Table 77. HQ Graphene (Netherlands) Niobium Disulfide Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 78. HQ Graphene (Netherlands) Recent Developments/Updates
- Table 79. HQ Graphene (Netherlands) Competitive Strengths & Weaknesses
- Table 80. 2D Semiconductors (USA) Basic Information, Manufacturing Base and Competitors
- Table 81. 2D Semiconductors (USA) Major Business
- Table 82. 2D Semiconductors (USA) Niobium Disulfide Product and Services
- Table 83. 2D Semiconductors (USA) Niobium Disulfide Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 84. 2D Semiconductors (USA) Recent Developments/Updates
- Table 85. 2D Semiconductors (USA) Competitive Strengths & Weaknesses
- Table 86. American Elements (USA) Basic Information, Manufacturing Base and Competitors
- Table 87. American Elements (USA) Major Business
- Table 88. American Elements (USA) Niobium Disulfide Product and Services
- Table 89. American Elements (USA) Niobium Disulfide Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 90. American Elements (USA) Recent Developments/Updates
- Table 91. American Elements (USA) Competitive Strengths & Weaknesses
- Table 92. Princeton Powder (USA) Basic Information, Manufacturing Base and Competitors
- Table 93. Princeton Powder (USA) Major Business
- Table 94. Princeton Powder (USA) Niobium Disulfide Product and Services
- Table 95. Princeton Powder (USA) Niobium Disulfide Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share

(2021-2026)

Table 96. Princeton Powder (USA) Recent Developments/Updates

Table 97. Princeton Powder (USA) Competitive Strengths & Weaknesses

Table 98. Furuuchi Chemical (Japan) Basic Information, Manufacturing Base and Competitors

Table 99. Furuuchi Chemical (Japan) Major Business

Table 100. Furuuchi Chemical (Japan) Niobium Disulfide Product and Services

Table 101. Furuuchi Chemical (Japan) Niobium Disulfide Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 102. Furuuchi Chemical (Japan) Recent Developments/Updates

Table 103. Furuuchi Chemical (Japan) Competitive Strengths & Weaknesses

Table 104. Beijing Zhongnuo Advanced Material (China) Basic Information, Manufacturing Base and Competitors

Table 105. Beijing Zhongnuo Advanced Material (China) Major Business

Table 106. Beijing Zhongnuo Advanced Material (China) Niobium Disulfide Product and Services

Table 107. Beijing Zhongnuo Advanced Material (China) Niobium Disulfide Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 108. Beijing Zhongnuo Advanced Material (China) Recent Developments/Updates

Table 109. Beijing Zhongnuo Advanced Material (China) Competitive Strengths & Weaknesses

Table 110. Shanghai Xinglu Chemical Technology (China) Basic Information, Manufacturing Base and Competitors

Table 111. Shanghai Xinglu Chemical Technology (China) Major Business

Table 112. Shanghai Xinglu Chemical Technology (China) Niobium Disulfide Product and Services

Table 113. Shanghai Xinglu Chemical Technology (China) Niobium Disulfide Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 114. Shanghai Xinglu Chemical Technology (China) Recent Developments/Updates

Table 115. Shanghai Xinglu Chemical Technology (China) Competitive Strengths & Weaknesses

Table 116. Hunan Huawei Jingcheng Material Technology (China) Basic Information, Manufacturing Base and Competitors

Table 117. Hunan Huawei Jingcheng Material Technology (China) Major Business

Table 118. Hunan Huawei Jingcheng Material Technology (China) Niobium Disulfide Product and Services

Table 119. Hunan Huawei Jingcheng Material Technology (China) Niobium Disulfide Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 120. Hunan Huawei Jingcheng Material Technology (China) Recent Developments/Updates

Table 121. Hunan Huawei Jingcheng Material Technology (China) Competitive Strengths & Weaknesses

Table 122. Shanghai MaterWin New Materials (China) Basic Information, Manufacturing Base and Competitors

Table 123. Shanghai MaterWin New Materials (China) Major Business

Table 124. Shanghai MaterWin New Materials (China) Niobium Disulfide Product and Services

Table 125. Shanghai MaterWin New Materials (China) Niobium Disulfide Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 126. Shanghai MaterWin New Materials (China) Recent Developments/Updates

Table 127. Shanghai MaterWin New Materials (China) Competitive Strengths & Weaknesses

Table 128. Global Key Players of Niobium Disulfide Upstream (Raw Materials)

Table 129. Global Niobium Disulfide Typical Customers

Table 130. Niobium Disulfide Typical Distributors

## List Of Figures

### LIST OF FIGURES

Figure 1. Niobium Disulfide Picture

Figure 2. World Niobium Disulfide Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Niobium Disulfide Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World Niobium Disulfide Production (2021-2032) & (Tons)

Figure 5. World Niobium Disulfide Average Price (2021-2032) & (US\$/Ton)

Figure 6. World Niobium Disulfide Production Value Market Share by Region (2021-2032)

Figure 7. World Niobium Disulfide Production Market Share by Region (2021-2032)

Figure 8. North America Niobium Disulfide Production (2021-2032) & (Tons)

Figure 9. Europe Niobium Disulfide Production (2021-2032) & (Tons)

Figure 10. China Niobium Disulfide Production (2021-2032) & (Tons)

Figure 11. Japan Niobium Disulfide Production (2021-2032) & (Tons)

Figure 12. India Niobium Disulfide Production (2021-2032) & (Tons)

Figure 13. Southeast Asia Niobium Disulfide Production (2021-2032) & (Tons)

Figure 14. Niobium Disulfide Market Drivers

Figure 15. Factors Affecting Demand

Figure 16. World Niobium Disulfide Consumption (2021-2032) & (Tons)

Figure 17. World Niobium Disulfide Consumption Market Share by Region (2021-2032)

Figure 18. United States Niobium Disulfide Consumption (2021-2032) & (Tons)

Figure 19. China Niobium Disulfide Consumption (2021-2032) & (Tons)

Figure 20. Europe Niobium Disulfide Consumption (2021-2032) & (Tons)

Figure 21. Japan Niobium Disulfide Consumption (2021-2032) & (Tons)

Figure 22. South Korea Niobium Disulfide Consumption (2021-2032) & (Tons)

Figure 23. ASEAN Niobium Disulfide Consumption (2021-2032) & (Tons)

Figure 24. India Niobium Disulfide Consumption (2021-2032) & (Tons)

Figure 25. Producer Shipments of Niobium Disulfide by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 26. Global Four-firm Concentration Ratios (CR4) for Niobium Disulfide Markets in 2025

Figure 27. Global Four-firm Concentration Ratios (CR8) for Niobium Disulfide Markets in 2025

Figure 28. United States VS China: Niobium Disulfide Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States VS China: Niobium Disulfide Production Market Share

Comparison (2021 & 2025 & 2032)

Figure 30. United States VS China: Niobium Disulfide Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 31. United States Based Manufacturers Niobium Disulfide Production Market Share 2025

Figure 32. China Based Manufacturers Niobium Disulfide Production Market Share 2025

Figure 33. Rest of World Based Manufacturers Niobium Disulfide Production Market Share 2025

Figure 34. World Niobium Disulfide Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 35. World Niobium Disulfide Production Value Market Share by Type in 2025

Figure 36. Industrial Grade (95-99%)

Figure 37. High-Purity Grade (99?99.9%)

Figure 38. Ultra-High-Purity Grade (>99.9%)

Figure 39. World Niobium Disulfide Production Market Share by Type (2021-2032)

Figure 40. World Niobium Disulfide Production Value Market Share by Type (2021-2032)

Figure 41. World Niobium Disulfide Average Price by Type (2021-2032) & (US\$/Ton)

Figure 42. World Niobium Disulfide Production Value by Crystal Structure, (USD Million), 2021 & 2025 & 2032

Figure 43. World Niobium Disulfide Production Value Market Share by Crystal Structure in 2025

Figure 44. Hexagonal Phase

Figure 45. Trigonal Phase

Figure 46. Amorphous Phase

Figure 47. World Niobium Disulfide Production Market Share by Crystal Structure (2021-2032)

Figure 48. World Niobium Disulfide Production Value Market Share by Crystal Structure (2021-2032)

Figure 49. World Niobium Disulfide Average Price by Crystal Structure (2021-2032) & (US\$/Ton)

Figure 50. World Niobium Disulfide Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 51. World Niobium Disulfide Production Value Market Share by Application in 2025

Figure 52. Energy Storage

Figure 53. Electrocatalyst

Figure 54. Solid Lubricant

Figure 55. Others

Figure 56. World Niobium Disulfide Production Market Share by Application  
(2021-2032)

Figure 57. World Niobium Disulfide Production Value Market Share by Application  
(2021-2032)

Figure 58. World Niobium Disulfide Average Price by Application (2021-2032) &  
(US\$/Ton)

Figure 59. Niobium Disulfide Industry Chain

Figure 60. Niobium Disulfide Procurement Model

Figure 61. Niobium Disulfide Sales Model

Figure 62. Niobium Disulfide Sales Channels, Direct Sales, and Distribution

Figure 63. Methodology

Figure 64. Research Process and Data Source

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