

# Global Boron Oxide Particles Market Growth 2025-2031

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## Abstracts

The global Boron Oxide Particles market size is predicted to grow from US\$ million in 2025 to US\$ million in 2031; it is expected to grow at a CAGR of % from 2025 to 2031.

Boron oxide particles are tiny particulate matter composed of boron oxide (B<sub>2</sub>O<sub>3</sub>) molecules. Boron oxide particles usually have the characteristics of high purity, high temperature stability and good chemical stability, so they have been widely used in the fields of material science, chemical industry, and electronics industry. The preparation methods of boron oxide particles are various, including sol-gel method, hydrothermal method, high temperature synthesis method and so on. Among them, the sol-gel method is a commonly used preparation method, and its basic steps include: first, dissolving boron sources such as boric acid or borate in an appropriate solvent to form a solution; then, adding an appropriate amount of alkaline or acidic Catalyst to make the solution undergo a gelation reaction; finally, the gel body is dried and calcined to obtain boron oxide particles. Boron oxide particles can be used in a wide range of applications, for example, they can be used to prepare materials such as ceramics, glass, and coatings, and can also be used to prepare special materials such as high-temperature lubricants and electronic ceramics. In addition, boron oxide particles can also be used to prepare catalysts, biomedical materials, etc.

United States market for Boron Oxide Particles is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

China market for Boron Oxide Particles is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

Europe market for Boron Oxide Particles is estimated to increase from US\$ million in

2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

Global key Boron Oxide Particles players cover SkySpring Nanomaterials, Inc., US Research Nanomaterials, Inc., Eprui Nanoparticles & Microspheres Co. Ltd., Nanostructured & Amorphous Materials, Inc., American Elements, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2024.

LP Information, Inc. (LPI) ' newest research report, the "Boron Oxide Particles Industry Forecast" looks at past sales and reviews total world Boron Oxide Particles sales in 2024, providing a comprehensive analysis by region and market sector of projected Boron Oxide Particles sales for 2025 through 2031. With Boron Oxide Particles sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Boron Oxide Particles industry.

This Insight Report provides a comprehensive analysis of the global Boron Oxide Particles landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Boron Oxide Particles portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Boron Oxide Particles market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Boron Oxide Particles and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Boron Oxide Particles.

This report presents a comprehensive overview, market shares, and growth opportunities of Boron Oxide Particles market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Nano Boron Oxide Particles

Micron Boron Oxide Particles

Segmentation by Application:

Ceramic Material

Electronic Material

Optical Material

Paint Material

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

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

SkySpring Nanomaterials, Inc.

US Research Nanomaterials, Inc.

Eprui Nanoparticles & Microspheres Co. Ltd.

Nanostructured & Amorphous Materials, Inc.

American Elements

Avantor

Materion Corporation

Skyrun Industrial Co. Ltd.

Shanghai Macklin Biochemical Co., Ltd.

Hangzhou J&H Chemical Co., Ltd.

Thermo Fisher Scientific

Santa Cruz Biotechnology, Inc.

Merck KGaA

#### Key Questions Addressed in this Report

What is the 10-year outlook for the global Boron Oxide Particles market?

What factors are driving Boron Oxide Particles market growth, globally and by region?

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

How do Boron Oxide Particles market opportunities vary by end market size?

How does Boron Oxide Particles break out by Type, by Application?

## Contents

### **1 SCOPE OF THE REPORT**

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

### **2 EXECUTIVE SUMMARY**

- 2.1 World Market Overview
  - 2.1.1 Global Boron Oxide Particles Annual Sales 2020-2031
  - 2.1.2 World Current & Future Analysis for Boron Oxide Particles by Geographic Region, 2020, 2024 & 2031
  - 2.1.3 World Current & Future Analysis for Boron Oxide Particles by Country/Region, 2020, 2024 & 2031
- 2.2 Boron Oxide Particles Segment by Type
  - 2.2.1 Nano Boron Oxide Particles
  - 2.2.2 Micron Boron Oxide Particles
- 2.3 Boron Oxide Particles Sales by Type
  - 2.3.1 Global Boron Oxide Particles Sales Market Share by Type (2020-2025)
  - 2.3.2 Global Boron Oxide Particles Revenue and Market Share by Type (2020-2025)
  - 2.3.3 Global Boron Oxide Particles Sale Price by Type (2020-2025)
- 2.4 Boron Oxide Particles Segment by Application
  - 2.4.1 Ceramic Material
  - 2.4.2 Electronic Material
  - 2.4.3 Optical Material
  - 2.4.4 Paint Material
- 2.5 Boron Oxide Particles Sales by Application
  - 2.5.1 Global Boron Oxide Particles Sale Market Share by Application (2020-2025)
  - 2.5.2 Global Boron Oxide Particles Revenue and Market Share by Application (2020-2025)
  - 2.5.3 Global Boron Oxide Particles Sale Price by Application (2020-2025)

### **3 GLOBAL BY COMPANY**

- 3.1 Global Boron Oxide Particles Breakdown Data by Company
  - 3.1.1 Global Boron Oxide Particles Annual Sales by Company (2020-2025)
  - 3.1.2 Global Boron Oxide Particles Sales Market Share by Company (2020-2025)
- 3.2 Global Boron Oxide Particles Annual Revenue by Company (2020-2025)
  - 3.2.1 Global Boron Oxide Particles Revenue by Company (2020-2025)
  - 3.2.2 Global Boron Oxide Particles Revenue Market Share by Company (2020-2025)
- 3.3 Global Boron Oxide Particles Sale Price by Company
- 3.4 Key Manufacturers Boron Oxide Particles Producing Area Distribution, Sales Area, Product Type
  - 3.4.1 Key Manufacturers Boron Oxide Particles Product Location Distribution
  - 3.4.2 Players Boron Oxide Particles Products Offered
- 3.5 Market Concentration Rate Analysis
  - 3.5.1 Competition Landscape Analysis
  - 3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2023-2025)
- 3.6 New Products and Potential Entrants
- 3.7 Market M&A Activity & Strategy

### **4 WORLD HISTORIC REVIEW FOR BORON OXIDE PARTICLES BY GEOGRAPHIC REGION**

- 4.1 World Historic Boron Oxide Particles Market Size by Geographic Region (2020-2025)
  - 4.1.1 Global Boron Oxide Particles Annual Sales by Geographic Region (2020-2025)
  - 4.1.2 Global Boron Oxide Particles Annual Revenue by Geographic Region (2020-2025)
- 4.2 World Historic Boron Oxide Particles Market Size by Country/Region (2020-2025)
  - 4.2.1 Global Boron Oxide Particles Annual Sales by Country/Region (2020-2025)
  - 4.2.2 Global Boron Oxide Particles Annual Revenue by Country/Region (2020-2025)
- 4.3 Americas Boron Oxide Particles Sales Growth
- 4.4 APAC Boron Oxide Particles Sales Growth
- 4.5 Europe Boron Oxide Particles Sales Growth
- 4.6 Middle East & Africa Boron Oxide Particles Sales Growth

### **5 AMERICAS**

- 5.1 Americas Boron Oxide Particles Sales by Country
  - 5.1.1 Americas Boron Oxide Particles Sales by Country (2020-2025)

- 5.1.2 Americas Boron Oxide Particles Revenue by Country (2020-2025)
- 5.2 Americas Boron Oxide Particles Sales by Type (2020-2025)
- 5.3 Americas Boron Oxide Particles Sales by Application (2020-2025)
- 5.4 United States
- 5.5 Canada
- 5.6 Mexico
- 5.7 Brazil

## **6 APAC**

- 6.1 APAC Boron Oxide Particles Sales by Region
  - 6.1.1 APAC Boron Oxide Particles Sales by Region (2020-2025)
  - 6.1.2 APAC Boron Oxide Particles Revenue by Region (2020-2025)
- 6.2 APAC Boron Oxide Particles Sales by Type (2020-2025)
- 6.3 APAC Boron Oxide Particles Sales by Application (2020-2025)
- 6.4 China
- 6.5 Japan
- 6.6 South Korea
- 6.7 Southeast Asia
- 6.8 India
- 6.9 Australia
- 6.10 China Taiwan

## **7 EUROPE**

- 7.1 Europe Boron Oxide Particles by Country
  - 7.1.1 Europe Boron Oxide Particles Sales by Country (2020-2025)
  - 7.1.2 Europe Boron Oxide Particles Revenue by Country (2020-2025)
- 7.2 Europe Boron Oxide Particles Sales by Type (2020-2025)
- 7.3 Europe Boron Oxide Particles Sales by Application (2020-2025)
- 7.4 Germany
- 7.5 France
- 7.6 UK
- 7.7 Italy
- 7.8 Russia

## **8 MIDDLE EAST & AFRICA**

- 8.1 Middle East & Africa Boron Oxide Particles by Country

- 8.1.1 Middle East & Africa Boron Oxide Particles Sales by Country (2020-2025)
- 8.1.2 Middle East & Africa Boron Oxide Particles Revenue by Country (2020-2025)
- 8.2 Middle East & Africa Boron Oxide Particles Sales by Type (2020-2025)
- 8.3 Middle East & Africa Boron Oxide Particles Sales by Application (2020-2025)
- 8.4 Egypt
- 8.5 South Africa
- 8.6 Israel
- 8.7 Turkey
- 8.8 GCC Countries

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

- 9.1 Market Drivers & Growth Opportunities
- 9.2 Market Challenges & Risks
- 9.3 Industry Trends

## **10 MANUFACTURING COST STRUCTURE ANALYSIS**

- 10.1 Raw Material and Suppliers
- 10.2 Manufacturing Cost Structure Analysis of Boron Oxide Particles
- 10.3 Manufacturing Process Analysis of Boron Oxide Particles
- 10.4 Industry Chain Structure of Boron Oxide Particles

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

- 11.1 Sales Channel
  - 11.1.1 Direct Channels
  - 11.1.2 Indirect Channels
- 11.2 Boron Oxide Particles Distributors
- 11.3 Boron Oxide Particles Customer

## **12 WORLD FORECAST REVIEW FOR BORON OXIDE PARTICLES BY GEOGRAPHIC REGION**

- 12.1 Global Boron Oxide Particles Market Size Forecast by Region
  - 12.1.1 Global Boron Oxide Particles Forecast by Region (2026-2031)
  - 12.1.2 Global Boron Oxide Particles Annual Revenue Forecast by Region (2026-2031)
- 12.2 Americas Forecast by Country (2026-2031)
- 12.3 APAC Forecast by Region (2026-2031)

- 12.4 Europe Forecast by Country (2026-2031)
- 12.5 Middle East & Africa Forecast by Country (2026-2031)
- 12.6 Global Boron Oxide Particles Forecast by Type (2026-2031)
- 12.7 Global Boron Oxide Particles Forecast by Application (2026-2031)

## **13 KEY PLAYERS ANALYSIS**

### 13.1 SkySpring Nanomaterials, Inc.

13.1.1 SkySpring Nanomaterials, Inc. Company Information

13.1.2 SkySpring Nanomaterials, Inc. Boron Oxide Particles Product Portfolios and Specifications

13.1.3 SkySpring Nanomaterials, Inc. Boron Oxide Particles Sales, Revenue, Price and Gross Margin (2020-2025)

13.1.4 SkySpring Nanomaterials, Inc. Main Business Overview

13.1.5 SkySpring Nanomaterials, Inc. Latest Developments

### 13.2 US Research Nanomaterials, Inc.

13.2.1 US Research Nanomaterials, Inc. Company Information

13.2.2 US Research Nanomaterials, Inc. Boron Oxide Particles Product Portfolios and Specifications

13.2.3 US Research Nanomaterials, Inc. Boron Oxide Particles Sales, Revenue, Price and Gross Margin (2020-2025)

13.2.4 US Research Nanomaterials, Inc. Main Business Overview

13.2.5 US Research Nanomaterials, Inc. Latest Developments

### 13.3 Eprui Nanoparticles & Microspheres Co. Ltd.

13.3.1 Eprui Nanoparticles & Microspheres Co. Ltd. Company Information

13.3.2 Eprui Nanoparticles & Microspheres Co. Ltd. Boron Oxide Particles Product Portfolios and Specifications

13.3.3 Eprui Nanoparticles & Microspheres Co. Ltd. Boron Oxide Particles Sales, Revenue, Price and Gross Margin (2020-2025)

13.3.4 Eprui Nanoparticles & Microspheres Co. Ltd. Main Business Overview

13.3.5 Eprui Nanoparticles & Microspheres Co. Ltd. Latest Developments

### 13.4 Nanostructured & Amorphous Materials, Inc.

13.4.1 Nanostructured & Amorphous Materials, Inc. Company Information

13.4.2 Nanostructured & Amorphous Materials, Inc. Boron Oxide Particles Product Portfolios and Specifications

13.4.3 Nanostructured & Amorphous Materials, Inc. Boron Oxide Particles Sales, Revenue, Price and Gross Margin (2020-2025)

13.4.4 Nanostructured & Amorphous Materials, Inc. Main Business Overview

13.4.5 Nanostructured & Amorphous Materials, Inc. Latest Developments

## 13.5 American Elements

13.5.1 American Elements Company Information

13.5.2 American Elements Boron Oxide Particles Product Portfolios and Specifications

13.5.3 American Elements Boron Oxide Particles Sales, Revenue, Price and Gross Margin (2020-2025)

13.5.4 American Elements Main Business Overview

13.5.5 American Elements Latest Developments

## 13.6 Avantor

13.6.1 Avantor Company Information

13.6.2 Avantor Boron Oxide Particles Product Portfolios and Specifications

13.6.3 Avantor Boron Oxide Particles Sales, Revenue, Price and Gross Margin (2020-2025)

13.6.4 Avantor Main Business Overview

13.6.5 Avantor Latest Developments

## 13.7 Materion Corporation

13.7.1 Materion Corporation Company Information

13.7.2 Materion Corporation Boron Oxide Particles Product Portfolios and Specifications

13.7.3 Materion Corporation Boron Oxide Particles Sales, Revenue, Price and Gross Margin (2020-2025)

13.7.4 Materion Corporation Main Business Overview

13.7.5 Materion Corporation Latest Developments

## 13.8 Skyrun Industrial Co. Ltd.

13.8.1 Skyrun Industrial Co. Ltd. Company Information

13.8.2 Skyrun Industrial Co. Ltd. Boron Oxide Particles Product Portfolios and Specifications

13.8.3 Skyrun Industrial Co. Ltd. Boron Oxide Particles Sales, Revenue, Price and Gross Margin (2020-2025)

13.8.4 Skyrun Industrial Co. Ltd. Main Business Overview

13.8.5 Skyrun Industrial Co. Ltd. Latest Developments

## 13.9 Shanghai Macklin Biochemical Co., Ltd.

13.9.1 Shanghai Macklin Biochemical Co., Ltd. Company Information

13.9.2 Shanghai Macklin Biochemical Co., Ltd. Boron Oxide Particles Product Portfolios and Specifications

13.9.3 Shanghai Macklin Biochemical Co., Ltd. Boron Oxide Particles Sales, Revenue, Price and Gross Margin (2020-2025)

13.9.4 Shanghai Macklin Biochemical Co., Ltd. Main Business Overview

13.9.5 Shanghai Macklin Biochemical Co., Ltd. Latest Developments

## 13.10 Hangzhou J&H Chemical Co., Ltd.

- 13.10.1 Hangzhou J&H Chemical Co., Ltd. Company Information
- 13.10.2 Hangzhou J&H Chemical Co., Ltd. Boron Oxide Particles Product Portfolios and Specifications
- 13.10.3 Hangzhou J&H Chemical Co., Ltd. Boron Oxide Particles Sales, Revenue, Price and Gross Margin (2020-2025)
- 13.10.4 Hangzhou J&H Chemical Co., Ltd. Main Business Overview
- 13.10.5 Hangzhou J&H Chemical Co., Ltd. Latest Developments
- 13.11 Thermo Fisher Scientific
  - 13.11.1 Thermo Fisher Scientific Company Information
  - 13.11.2 Thermo Fisher Scientific Boron Oxide Particles Product Portfolios and Specifications
  - 13.11.3 Thermo Fisher Scientific Boron Oxide Particles Sales, Revenue, Price and Gross Margin (2020-2025)
  - 13.11.4 Thermo Fisher Scientific Main Business Overview
  - 13.11.5 Thermo Fisher Scientific Latest Developments
- 13.12 Santa Cruz Biotechnology, Inc.
  - 13.12.1 Santa Cruz Biotechnology, Inc. Company Information
  - 13.12.2 Santa Cruz Biotechnology, Inc. Boron Oxide Particles Product Portfolios and Specifications
  - 13.12.3 Santa Cruz Biotechnology, Inc. Boron Oxide Particles Sales, Revenue, Price and Gross Margin (2020-2025)
  - 13.12.4 Santa Cruz Biotechnology, Inc. Main Business Overview
  - 13.12.5 Santa Cruz Biotechnology, Inc. Latest Developments
- 13.13 Merck KGaA
  - 13.13.1 Merck KGaA Company Information
  - 13.13.2 Merck KGaA Boron Oxide Particles Product Portfolios and Specifications
  - 13.13.3 Merck KGaA Boron Oxide Particles Sales, Revenue, Price and Gross Margin (2020-2025)
  - 13.13.4 Merck KGaA Main Business Overview
  - 13.13.5 Merck KGaA Latest Developments

## **14 RESEARCH FINDINGS AND CONCLUSION**

## List Of Tables

### LIST OF TABLES

Table 1. Boron Oxide Particles Annual Sales CAGR by Geographic Region (2020, 2024 & 2031) & (\$ millions)

Table 2. Boron Oxide Particles Annual Sales CAGR by Country/Region (2020, 2024 & 2031) & (\$ millions)

Table 3. Major Players of Nano Boron Oxide Particles

Table 4. Major Players of Micron Boron Oxide Particles

Table 5. Global Boron Oxide Particles Sales by Type (2020-2025) & (Tons)

Table 6. Global Boron Oxide Particles Sales Market Share by Type (2020-2025)

Table 7. Global Boron Oxide Particles Revenue by Type (2020-2025) & (\$ million)

Table 8. Global Boron Oxide Particles Revenue Market Share by Type (2020-2025)

Table 9. Global Boron Oxide Particles Sale Price by Type (2020-2025) & (US\$/Ton)

Table 10. Global Boron Oxide Particles Sale by Application (2020-2025) & (Tons)

Table 11. Global Boron Oxide Particles Sale Market Share by Application (2020-2025)

Table 12. Global Boron Oxide Particles Revenue by Application (2020-2025) & (\$ million)

Table 13. Global Boron Oxide Particles Revenue Market Share by Application (2020-2025)

Table 14. Global Boron Oxide Particles Sale Price by Application (2020-2025) & (US\$/Ton)

Table 15. Global Boron Oxide Particles Sales by Company (2020-2025) & (Tons)

Table 16. Global Boron Oxide Particles Sales Market Share by Company (2020-2025)

Table 17. Global Boron Oxide Particles Revenue by Company (2020-2025) & (\$ millions)

Table 18. Global Boron Oxide Particles Revenue Market Share by Company (2020-2025)

Table 19. Global Boron Oxide Particles Sale Price by Company (2020-2025) & (US\$/Ton)

Table 20. Key Manufacturers Boron Oxide Particles Producing Area Distribution and Sales Area

Table 21. Players Boron Oxide Particles Products Offered

Table 22. Boron Oxide Particles Concentration Ratio (CR3, CR5 and CR10) & (2023-2025)

Table 23. New Products and Potential Entrants

Table 24. Market M&A Activity & Strategy

Table 25. Global Boron Oxide Particles Sales by Geographic Region (2020-2025) &

(Tons)

Table 26. Global Boron Oxide Particles Sales Market Share Geographic Region (2020-2025)

Table 27. Global Boron Oxide Particles Revenue by Geographic Region (2020-2025) & (\$ millions)

Table 28. Global Boron Oxide Particles Revenue Market Share by Geographic Region (2020-2025)

Table 29. Global Boron Oxide Particles Sales by Country/Region (2020-2025) & (Tons)

Table 30. Global Boron Oxide Particles Sales Market Share by Country/Region (2020-2025)

Table 31. Global Boron Oxide Particles Revenue by Country/Region (2020-2025) & (\$ millions)

Table 32. Global Boron Oxide Particles Revenue Market Share by Country/Region (2020-2025)

Table 33. Americas Boron Oxide Particles Sales by Country (2020-2025) & (Tons)

Table 34. Americas Boron Oxide Particles Sales Market Share by Country (2020-2025)

Table 35. Americas Boron Oxide Particles Revenue by Country (2020-2025) & (\$ millions)

Table 36. Americas Boron Oxide Particles Sales by Type (2020-2025) & (Tons)

Table 37. Americas Boron Oxide Particles Sales by Application (2020-2025) & (Tons)

Table 38. APAC Boron Oxide Particles Sales by Region (2020-2025) & (Tons)

Table 39. APAC Boron Oxide Particles Sales Market Share by Region (2020-2025)

Table 40. APAC Boron Oxide Particles Revenue by Region (2020-2025) & (\$ millions)

Table 41. APAC Boron Oxide Particles Sales by Type (2020-2025) & (Tons)

Table 42. APAC Boron Oxide Particles Sales by Application (2020-2025) & (Tons)

Table 43. Europe Boron Oxide Particles Sales by Country (2020-2025) & (Tons)

Table 44. Europe Boron Oxide Particles Revenue by Country (2020-2025) & (\$ millions)

Table 45. Europe Boron Oxide Particles Sales by Type (2020-2025) & (Tons)

Table 46. Europe Boron Oxide Particles Sales by Application (2020-2025) & (Tons)

Table 47. Middle East & Africa Boron Oxide Particles Sales by Country (2020-2025) & (Tons)

Table 48. Middle East & Africa Boron Oxide Particles Revenue Market Share by Country (2020-2025)

Table 49. Middle East & Africa Boron Oxide Particles Sales by Type (2020-2025) & (Tons)

Table 50. Middle East & Africa Boron Oxide Particles Sales by Application (2020-2025) & (Tons)

Table 51. Key Market Drivers & Growth Opportunities of Boron Oxide Particles

Table 52. Key Market Challenges & Risks of Boron Oxide Particles

- Table 53. Key Industry Trends of Boron Oxide Particles
- Table 54. Boron Oxide Particles Raw Material
- Table 55. Key Suppliers of Raw Materials
- Table 56. Boron Oxide Particles Distributors List
- Table 57. Boron Oxide Particles Customer List
- Table 58. Global Boron Oxide Particles Sales Forecast by Region (2026-2031) & (Tons)
- Table 59. Global Boron Oxide Particles Revenue Forecast by Region (2026-2031) & (\$ millions)
- Table 60. Americas Boron Oxide Particles Sales Forecast by Country (2026-2031) & (Tons)
- Table 61. Americas Boron Oxide Particles Annual Revenue Forecast by Country (2026-2031) & (\$ millions)
- Table 62. APAC Boron Oxide Particles Sales Forecast by Region (2026-2031) & (Tons)
- Table 63. APAC Boron Oxide Particles Annual Revenue Forecast by Region (2026-2031) & (\$ millions)
- Table 64. Europe Boron Oxide Particles Sales Forecast by Country (2026-2031) & (Tons)
- Table 65. Europe Boron Oxide Particles Revenue Forecast by Country (2026-2031) & (\$ millions)
- Table 66. Middle East & Africa Boron Oxide Particles Sales Forecast by Country (2026-2031) & (Tons)
- Table 67. Middle East & Africa Boron Oxide Particles Revenue Forecast by Country (2026-2031) & (\$ millions)
- Table 68. Global Boron Oxide Particles Sales Forecast by Type (2026-2031) & (Tons)
- Table 69. Global Boron Oxide Particles Revenue Forecast by Type (2026-2031) & (\$ millions)
- Table 70. Global Boron Oxide Particles Sales Forecast by Application (2026-2031) & (Tons)
- Table 71. Global Boron Oxide Particles Revenue Forecast by Application (2026-2031) & (\$ millions)
- Table 72. SkySpring Nanomaterials, Inc. Basic Information, Boron Oxide Particles Manufacturing Base, Sales Area and Its Competitors
- Table 73. SkySpring Nanomaterials, Inc. Boron Oxide Particles Product Portfolios and Specifications
- Table 74. SkySpring Nanomaterials, Inc. Boron Oxide Particles Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2020-2025)
- Table 75. SkySpring Nanomaterials, Inc. Main Business
- Table 76. SkySpring Nanomaterials, Inc. Latest Developments
- Table 77. US Research Nanomaterials, Inc. Basic Information, Boron Oxide Particles

Manufacturing Base, Sales Area and Its Competitors

Table 78. US Research Nanomaterials, Inc. Boron Oxide Particles Product Portfolios and Specifications

Table 79. US Research Nanomaterials, Inc. Boron Oxide Particles Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2020-2025)

Table 80. US Research Nanomaterials, Inc. Main Business

Table 81. US Research Nanomaterials, Inc. Latest Developments

Table 82. Eprui Nanoparticles & Microspheres Co. Ltd. Basic Information, Boron Oxide Particles Manufacturing Base, Sales Area and Its Competitors

Table 83. Eprui Nanoparticles & Microspheres Co. Ltd. Boron Oxide Particles Product Portfolios and Specifications

Table 84. Eprui Nanoparticles & Microspheres Co. Ltd. Boron Oxide Particles Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2020-2025)

Table 85. Eprui Nanoparticles & Microspheres Co. Ltd. Main Business

Table 86. Eprui Nanoparticles & Microspheres Co. Ltd. Latest Developments

Table 87. Nanostructured & Amorphous Materials, Inc. Basic Information, Boron Oxide Particles Manufacturing Base, Sales Area and Its Competitors

Table 88. Nanostructured & Amorphous Materials, Inc. Boron Oxide Particles Product Portfolios and Specifications

Table 89. Nanostructured & Amorphous Materials, Inc. Boron Oxide Particles Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2020-2025)

Table 90. Nanostructured & Amorphous Materials, Inc. Main Business

Table 91. Nanostructured & Amorphous Materials, Inc. Latest Developments

Table 92. American Elements Basic Information, Boron Oxide Particles Manufacturing Base, Sales Area and Its Competitors

Table 93. American Elements Boron Oxide Particles Product Portfolios and Specifications

Table 94. American Elements Boron Oxide Particles Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2020-2025)

Table 95. American Elements Main Business

Table 96. American Elements Latest Developments

Table 97. Avantor Basic Information, Boron Oxide Particles Manufacturing Base, Sales Area and Its Competitors

Table 98. Avantor Boron Oxide Particles Product Portfolios and Specifications

Table 99. Avantor Boron Oxide Particles Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2020-2025)

Table 100. Avantor Main Business

Table 101. Avantor Latest Developments

Table 102. Materion Corporation Basic Information, Boron Oxide Particles

Manufacturing Base, Sales Area and Its Competitors

Table 103. Materion Corporation Boron Oxide Particles Product Portfolios and Specifications

Table 104. Materion Corporation Boron Oxide Particles Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2020-2025)

Table 105. Materion Corporation Main Business

Table 106. Materion Corporation Latest Developments

Table 107. Skyrun Industrial Co. Ltd. Basic Information, Boron Oxide Particles Manufacturing Base, Sales Area and Its Competitors

Table 108. Skyrun Industrial Co. Ltd. Boron Oxide Particles Product Portfolios and Specifications

Table 109. Skyrun Industrial Co. Ltd. Boron Oxide Particles Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2020-2025)

Table 110. Skyrun Industrial Co. Ltd. Main Business

Table 111. Skyrun Industrial Co. Ltd. Latest Developments

Table 112. Shanghai Macklin Biochemical Co., Ltd. Basic Information, Boron Oxide Particles Manufacturing Base, Sales Area and Its Competitors

Table 113. Shanghai Macklin Biochemical Co., Ltd. Boron Oxide Particles Product Portfolios and Specifications

Table 114. Shanghai Macklin Biochemical Co., Ltd. Boron Oxide Particles Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2020-2025)

Table 115. Shanghai Macklin Biochemical Co., Ltd. Main Business

Table 116. Shanghai Macklin Biochemical Co., Ltd. Latest Developments

Table 117. Hangzhou J&H Chemical Co., Ltd. Basic Information, Boron Oxide Particles Manufacturing Base, Sales Area and Its Competitors

Table 118. Hangzhou J&H Chemical Co., Ltd. Boron Oxide Particles Product Portfolios and Specifications

Table 119. Hangzhou J&H Chemical Co., Ltd. Boron Oxide Particles Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2020-2025)

Table 120. Hangzhou J&H Chemical Co., Ltd. Main Business

Table 121. Hangzhou J&H Chemical Co., Ltd. Latest Developments

Table 122. Thermo Fisher Scientific Basic Information, Boron Oxide Particles Manufacturing Base, Sales Area and Its Competitors

Table 123. Thermo Fisher Scientific Boron Oxide Particles Product Portfolios and Specifications

Table 124. Thermo Fisher Scientific Boron Oxide Particles Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2020-2025)

Table 125. Thermo Fisher Scientific Main Business

Table 126. Thermo Fisher Scientific Latest Developments

Table 127. Santa Cruz Biotechnology, Inc. Basic Information, Boron Oxide Particles Manufacturing Base, Sales Area and Its Competitors

Table 128. Santa Cruz Biotechnology, Inc. Boron Oxide Particles Product Portfolios and Specifications

Table 129. Santa Cruz Biotechnology, Inc. Boron Oxide Particles Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2020-2025)

Table 130. Santa Cruz Biotechnology, Inc. Main Business

Table 131. Santa Cruz Biotechnology, Inc. Latest Developments

Table 132. Merck KGaA Basic Information, Boron Oxide Particles Manufacturing Base, Sales Area and Its Competitors

Table 133. Merck KGaA Boron Oxide Particles Product Portfolios and Specifications

Table 134. Merck KGaA Boron Oxide Particles Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2020-2025)

Table 135. Merck KGaA Main Business

Table 136. Merck KGaA Latest Developments

## List Of Figures

### LIST OF FIGURES

- Figure 1. Picture of Boron Oxide Particles
- Figure 2. Boron Oxide Particles Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Boron Oxide Particles Sales Growth Rate 2020-2031 (Tons)
- Figure 7. Global Boron Oxide Particles Revenue Growth Rate 2020-2031 (\$ millions)
- Figure 8. Boron Oxide Particles Sales by Geographic Region (2020, 2024 & 2031) & (\$ millions)
- Figure 9. Boron Oxide Particles Sales Market Share by Country/Region (2024)
- Figure 10. Boron Oxide Particles Sales Market Share by Country/Region (2020, 2024 & 2031)
- Figure 11. Product Picture of Nano Boron Oxide Particles
- Figure 12. Product Picture of Micron Boron Oxide Particles
- Figure 13. Global Boron Oxide Particles Sales Market Share by Type in 2025
- Figure 14. Global Boron Oxide Particles Revenue Market Share by Type (2020-2025)
- Figure 15. Boron Oxide Particles Consumed in Ceramic Material
- Figure 16. Global Boron Oxide Particles Market: Ceramic Material (2020-2025) & (Tons)
- Figure 17. Boron Oxide Particles Consumed in Electronic Material
- Figure 18. Global Boron Oxide Particles Market: Electronic Material (2020-2025) & (Tons)
- Figure 19. Boron Oxide Particles Consumed in Optical Material
- Figure 20. Global Boron Oxide Particles Market: Optical Material (2020-2025) & (Tons)
- Figure 21. Boron Oxide Particles Consumed in Paint Material
- Figure 22. Global Boron Oxide Particles Market: Paint Material (2020-2025) & (Tons)
- Figure 23. Global Boron Oxide Particles Sale Market Share by Application (2024)
- Figure 24. Global Boron Oxide Particles Revenue Market Share by Application in 2025
- Figure 25. Boron Oxide Particles Sales by Company in 2025 (Tons)
- Figure 26. Global Boron Oxide Particles Sales Market Share by Company in 2025
- Figure 27. Boron Oxide Particles Revenue by Company in 2025 (\$ millions)
- Figure 28. Global Boron Oxide Particles Revenue Market Share by Company in 2025
- Figure 29. Global Boron Oxide Particles Sales Market Share by Geographic Region (2020-2025)
- Figure 30. Global Boron Oxide Particles Revenue Market Share by Geographic Region in 2025

- Figure 31. Americas Boron Oxide Particles Sales 2020-2025 (Tons)
- Figure 32. Americas Boron Oxide Particles Revenue 2020-2025 (\$ millions)
- Figure 33. APAC Boron Oxide Particles Sales 2020-2025 (Tons)
- Figure 34. APAC Boron Oxide Particles Revenue 2020-2025 (\$ millions)
- Figure 35. Europe Boron Oxide Particles Sales 2020-2025 (Tons)
- Figure 36. Europe Boron Oxide Particles Revenue 2020-2025 (\$ millions)
- Figure 37. Middle East & Africa Boron Oxide Particles Sales 2020-2025 (Tons)
- Figure 38. Middle East & Africa Boron Oxide Particles Revenue 2020-2025 (\$ millions)
- Figure 39. Americas Boron Oxide Particles Sales Market Share by Country in 2025
- Figure 40. Americas Boron Oxide Particles Revenue Market Share by Country (2020-2025)
- Figure 41. Americas Boron Oxide Particles Sales Market Share by Type (2020-2025)
- Figure 42. Americas Boron Oxide Particles Sales Market Share by Application (2020-2025)
- Figure 43. United States Boron Oxide Particles Revenue Growth 2020-2025 (\$ millions)
- Figure 44. Canada Boron Oxide Particles Revenue Growth 2020-2025 (\$ millions)
- Figure 45. Mexico Boron Oxide Particles Revenue Growth 2020-2025 (\$ millions)
- Figure 46. Brazil Boron Oxide Particles Revenue Growth 2020-2025 (\$ millions)
- Figure 47. APAC Boron Oxide Particles Sales Market Share by Region in 2025
- Figure 48. APAC Boron Oxide Particles Revenue Market Share by Region (2020-2025)
- Figure 49. APAC Boron Oxide Particles Sales Market Share by Type (2020-2025)
- Figure 50. APAC Boron Oxide Particles Sales Market Share by Application (2020-2025)
- Figure 51. China Boron Oxide Particles Revenue Growth 2020-2025 (\$ millions)
- Figure 52. Japan Boron Oxide Particles Revenue Growth 2020-2025 (\$ millions)
- Figure 53. South Korea Boron Oxide Particles Revenue Growth 2020-2025 (\$ millions)
- Figure 54. Southeast Asia Boron Oxide Particles Revenue Growth 2020-2025 (\$ millions)
- Figure 55. India Boron Oxide Particles Revenue Growth 2020-2025 (\$ millions)
- Figure 56. Australia Boron Oxide Particles Revenue Growth 2020-2025 (\$ millions)
- Figure 57. China Taiwan Boron Oxide Particles Revenue Growth 2020-2025 (\$ millions)
- Figure 58. Europe Boron Oxide Particles Sales Market Share by Country in 2025
- Figure 59. Europe Boron Oxide Particles Revenue Market Share by Country (2020-2025)
- Figure 60. Europe Boron Oxide Particles Sales Market Share by Type (2020-2025)
- Figure 61. Europe Boron Oxide Particles Sales Market Share by Application (2020-2025)
- Figure 62. Germany Boron Oxide Particles Revenue Growth 2020-2025 (\$ millions)
- Figure 63. France Boron Oxide Particles Revenue Growth 2020-2025 (\$ millions)
- Figure 64. UK Boron Oxide Particles Revenue Growth 2020-2025 (\$ millions)

- Figure 65. Italy Boron Oxide Particles Revenue Growth 2020-2025 (\$ millions)
- Figure 66. Russia Boron Oxide Particles Revenue Growth 2020-2025 (\$ millions)
- Figure 67. Middle East & Africa Boron Oxide Particles Sales Market Share by Country (2020-2025)
- Figure 68. Middle East & Africa Boron Oxide Particles Sales Market Share by Type (2020-2025)
- Figure 69. Middle East & Africa Boron Oxide Particles Sales Market Share by Application (2020-2025)
- Figure 70. Egypt Boron Oxide Particles Revenue Growth 2020-2025 (\$ millions)
- Figure 71. South Africa Boron Oxide Particles Revenue Growth 2020-2025 (\$ millions)
- Figure 72. Israel Boron Oxide Particles Revenue Growth 2020-2025 (\$ millions)
- Figure 73. Turkey Boron Oxide Particles Revenue Growth 2020-2025 (\$ millions)
- Figure 74. GCC Countries Boron Oxide Particles Revenue Growth 2020-2025 (\$ millions)
- Figure 75. Manufacturing Cost Structure Analysis of Boron Oxide Particles in 2025
- Figure 76. Manufacturing Process Analysis of Boron Oxide Particles
- Figure 77. Industry Chain Structure of Boron Oxide Particles
- Figure 78. Channels of Distribution
- Figure 79. Global Boron Oxide Particles Sales Market Forecast by Region (2026-2031)
- Figure 80. Global Boron Oxide Particles Revenue Market Share Forecast by Region (2026-2031)
- Figure 81. Global Boron Oxide Particles Sales Market Share Forecast by Type (2026-2031)
- Figure 82. Global Boron Oxide Particles Revenue Market Share Forecast by Type (2026-2031)
- Figure 83. Global Boron Oxide Particles Sales Market Share Forecast by Application (2026-2031)
- Figure 84. Global Boron Oxide Particles Revenue Market Share Forecast by Application (2026-2031)

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