

# Global Boron Oxide Particles Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

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## Abstracts

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

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.

This report is a detailed and comprehensive analysis for global Boron Oxide Particles market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that

contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2023, are provided.

#### Key Features:

Global Boron Oxide Particles market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2018-2029

Global Boron Oxide Particles market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2018-2029

Global Boron Oxide Particles market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2018-2029

Global Boron Oxide Particles market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/Ton), 2018-2023

#### The Primary Objectives in This Report Are:

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

To assess the growth potential for Boron Oxide Particles

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

To assess competitive factors affecting the marketplace

This report profiles key players in the global Boron Oxide Particles 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 SkySpring Nanomaterials, Inc., US Research Nanomaterials, Inc., Eprui Nanoparticles & Microspheres Co. Ltd., Nanostructured & Amorphous Materials, Inc. and American Elements, etc.

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

## Market Segmentation

Boron Oxide Particles market is split by Type and by Application. For the period 2018-2029, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

### Market segment by Type

Nano Boron Oxide Particles

Micron Boron Oxide Particles

### Market segment by Application

Ceramic Material

Electronic Material

Optical Material

Paint Material

### Major players covered

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

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

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

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

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

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

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

Chapter 1, to describe Boron Oxide Particles product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Boron Oxide Particles, with price, sales, revenue and global market share of Boron Oxide Particles from 2018 to 2023.

Chapter 3, the Boron Oxide Particles competitive situation, sales quantity, revenue and

global market share of top manufacturers are analyzed emphatically by landscape contrast.

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

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

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

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

Chapter 13, the key raw materials and key suppliers, and industry chain of Boron Oxide Particles.

Chapter 14 and 15, to describe Boron Oxide Particles sales channel, distributors, customers, research findings and conclusion.

## Contents

### 1 MARKET OVERVIEW

- 1.1 Product Overview and Scope of Boron Oxide Particles
- 1.2 Market Estimation Caveats and Base Year
- 1.3 Market Analysis by Type
  - 1.3.1 Overview: Global Boron Oxide Particles Consumption Value by Type: 2018 Versus 2022 Versus 2029
  - 1.3.2 Nano Boron Oxide Particles
  - 1.3.3 Micron Boron Oxide Particles
- 1.4 Market Analysis by Application
  - 1.4.1 Overview: Global Boron Oxide Particles Consumption Value by Application: 2018 Versus 2022 Versus 2029
  - 1.4.2 Ceramic Material
  - 1.4.3 Electronic Material
  - 1.4.4 Optical Material
  - 1.4.5 Paint Material
- 1.5 Global Boron Oxide Particles Market Size & Forecast
  - 1.5.1 Global Boron Oxide Particles Consumption Value (2018 & 2022 & 2029)
  - 1.5.2 Global Boron Oxide Particles Sales Quantity (2018-2029)
  - 1.5.3 Global Boron Oxide Particles Average Price (2018-2029)

### 2 MANUFACTURERS PROFILES

- 2.1 SkySpring Nanomaterials, Inc.
  - 2.1.1 SkySpring Nanomaterials, Inc. Details
  - 2.1.2 SkySpring Nanomaterials, Inc. Major Business
  - 2.1.3 SkySpring Nanomaterials, Inc. Boron Oxide Particles Product and Services
  - 2.1.4 SkySpring Nanomaterials, Inc. Boron Oxide Particles Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
  - 2.1.5 SkySpring Nanomaterials, Inc. Recent Developments/Updates
- 2.2 US Research Nanomaterials, Inc.
  - 2.2.1 US Research Nanomaterials, Inc. Details
  - 2.2.2 US Research Nanomaterials, Inc. Major Business
  - 2.2.3 US Research Nanomaterials, Inc. Boron Oxide Particles Product and Services
  - 2.2.4 US Research Nanomaterials, Inc. Boron Oxide Particles Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
  - 2.2.5 US Research Nanomaterials, Inc. Recent Developments/Updates

## 2.3 Eprui Nanoparticles & Microspheres Co. Ltd.

2.3.1 Eprui Nanoparticles & Microspheres Co. Ltd. Details

2.3.2 Eprui Nanoparticles & Microspheres Co. Ltd. Major Business

2.3.3 Eprui Nanoparticles & Microspheres Co. Ltd. Boron Oxide Particles Product and Services

2.3.4 Eprui Nanoparticles & Microspheres Co. Ltd. Boron Oxide Particles Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.3.5 Eprui Nanoparticles & Microspheres Co. Ltd. Recent Developments/Updates

## 2.4 Nanostructured & Amorphous Materials, Inc.

2.4.1 Nanostructured & Amorphous Materials, Inc. Details

2.4.2 Nanostructured & Amorphous Materials, Inc. Major Business

2.4.3 Nanostructured & Amorphous Materials, Inc. Boron Oxide Particles Product and Services

2.4.4 Nanostructured & Amorphous Materials, Inc. Boron Oxide Particles Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.4.5 Nanostructured & Amorphous Materials, Inc. Recent Developments/Updates

## 2.5 American Elements

2.5.1 American Elements Details

2.5.2 American Elements Major Business

2.5.3 American Elements Boron Oxide Particles Product and Services

2.5.4 American Elements Boron Oxide Particles Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.5.5 American Elements Recent Developments/Updates

## 2.6 Avantor

2.6.1 Avantor Details

2.6.2 Avantor Major Business

2.6.3 Avantor Boron Oxide Particles Product and Services

2.6.4 Avantor Boron Oxide Particles Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.6.5 Avantor Recent Developments/Updates

## 2.7 Materion Corporation

2.7.1 Materion Corporation Details

2.7.2 Materion Corporation Major Business

2.7.3 Materion Corporation Boron Oxide Particles Product and Services

2.7.4 Materion Corporation Boron Oxide Particles Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.7.5 Materion Corporation Recent Developments/Updates

## 2.8 Skyrun Industrial Co. Ltd.

2.8.1 Skyrun Industrial Co. Ltd. Details

- 2.8.2 Skyrun Industrial Co. Ltd. Major Business
- 2.8.3 Skyrun Industrial Co. Ltd. Boron Oxide Particles Product and Services
- 2.8.4 Skyrun Industrial Co. Ltd. Boron Oxide Particles Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
- 2.8.5 Skyrun Industrial Co. Ltd. Recent Developments/Updates
- 2.9 Shanghai Macklin Biochemical Co., Ltd.
  - 2.9.1 Shanghai Macklin Biochemical Co., Ltd. Details
  - 2.9.2 Shanghai Macklin Biochemical Co., Ltd. Major Business
  - 2.9.3 Shanghai Macklin Biochemical Co., Ltd. Boron Oxide Particles Product and Services
  - 2.9.4 Shanghai Macklin Biochemical Co., Ltd. Boron Oxide Particles Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
  - 2.9.5 Shanghai Macklin Biochemical Co., Ltd. Recent Developments/Updates
- 2.10 Hangzhou J&H Chemical Co., Ltd.
  - 2.10.1 Hangzhou J&H Chemical Co., Ltd. Details
  - 2.10.2 Hangzhou J&H Chemical Co., Ltd. Major Business
  - 2.10.3 Hangzhou J&H Chemical Co., Ltd. Boron Oxide Particles Product and Services
  - 2.10.4 Hangzhou J&H Chemical Co., Ltd. Boron Oxide Particles Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
  - 2.10.5 Hangzhou J&H Chemical Co., Ltd. Recent Developments/Updates
- 2.11 Thermo Fisher Scientific
  - 2.11.1 Thermo Fisher Scientific Details
  - 2.11.2 Thermo Fisher Scientific Major Business
  - 2.11.3 Thermo Fisher Scientific Boron Oxide Particles Product and Services
  - 2.11.4 Thermo Fisher Scientific Boron Oxide Particles Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
  - 2.11.5 Thermo Fisher Scientific Recent Developments/Updates
- 2.12 Santa Cruz Biotechnology, Inc.
  - 2.12.1 Santa Cruz Biotechnology, Inc. Details
  - 2.12.2 Santa Cruz Biotechnology, Inc. Major Business
  - 2.12.3 Santa Cruz Biotechnology, Inc. Boron Oxide Particles Product and Services
  - 2.12.4 Santa Cruz Biotechnology, Inc. Boron Oxide Particles Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
  - 2.12.5 Santa Cruz Biotechnology, Inc. Recent Developments/Updates
- 2.13 Merck KGaA
  - 2.13.1 Merck KGaA Details
  - 2.13.2 Merck KGaA Major Business
  - 2.13.3 Merck KGaA Boron Oxide Particles Product and Services
  - 2.13.4 Merck KGaA Boron Oxide Particles Sales Quantity, Average Price, Revenue,



Gross Margin and Market Share (2018-2023)

2.13.5 Merck KGaA Recent Developments/Updates

### **3 COMPETITIVE ENVIRONMENT: BORON OXIDE PARTICLES BY MANUFACTURER**

3.1 Global Boron Oxide Particles Sales Quantity by Manufacturer (2018-2023)

3.2 Global Boron Oxide Particles Revenue by Manufacturer (2018-2023)

3.3 Global Boron Oxide Particles Average Price by Manufacturer (2018-2023)

3.4 Market Share Analysis (2022)

3.4.1 Producer Shipments of Boron Oxide Particles by Manufacturer Revenue (\$MM) and Market Share (%): 2022

3.4.2 Top 3 Boron Oxide Particles Manufacturer Market Share in 2022

3.4.2 Top 6 Boron Oxide Particles Manufacturer Market Share in 2022

3.5 Boron Oxide Particles Market: Overall Company Footprint Analysis

3.5.1 Boron Oxide Particles Market: Region Footprint

3.5.2 Boron Oxide Particles Market: Company Product Type Footprint

3.5.3 Boron Oxide Particles Market: Company Product Application Footprint

3.6 New Market Entrants and Barriers to Market Entry

3.7 Mergers, Acquisition, Agreements, and Collaborations

### **4 CONSUMPTION ANALYSIS BY REGION**

4.1 Global Boron Oxide Particles Market Size by Region

4.1.1 Global Boron Oxide Particles Sales Quantity by Region (2018-2029)

4.1.2 Global Boron Oxide Particles Consumption Value by Region (2018-2029)

4.1.3 Global Boron Oxide Particles Average Price by Region (2018-2029)

4.2 North America Boron Oxide Particles Consumption Value (2018-2029)

4.3 Europe Boron Oxide Particles Consumption Value (2018-2029)

4.4 Asia-Pacific Boron Oxide Particles Consumption Value (2018-2029)

4.5 South America Boron Oxide Particles Consumption Value (2018-2029)

4.6 Middle East and Africa Boron Oxide Particles Consumption Value (2018-2029)

### **5 MARKET SEGMENT BY TYPE**

5.1 Global Boron Oxide Particles Sales Quantity by Type (2018-2029)

5.2 Global Boron Oxide Particles Consumption Value by Type (2018-2029)

5.3 Global Boron Oxide Particles Average Price by Type (2018-2029)

## **6 MARKET SEGMENT BY APPLICATION**

- 6.1 Global Boron Oxide Particles Sales Quantity by Application (2018-2029)
- 6.2 Global Boron Oxide Particles Consumption Value by Application (2018-2029)
- 6.3 Global Boron Oxide Particles Average Price by Application (2018-2029)

## **7 NORTH AMERICA**

- 7.1 North America Boron Oxide Particles Sales Quantity by Type (2018-2029)
- 7.2 North America Boron Oxide Particles Sales Quantity by Application (2018-2029)
- 7.3 North America Boron Oxide Particles Market Size by Country
  - 7.3.1 North America Boron Oxide Particles Sales Quantity by Country (2018-2029)
  - 7.3.2 North America Boron Oxide Particles Consumption Value by Country (2018-2029)
  - 7.3.3 United States Market Size and Forecast (2018-2029)
  - 7.3.4 Canada Market Size and Forecast (2018-2029)
  - 7.3.5 Mexico Market Size and Forecast (2018-2029)

## **8 EUROPE**

- 8.1 Europe Boron Oxide Particles Sales Quantity by Type (2018-2029)
- 8.2 Europe Boron Oxide Particles Sales Quantity by Application (2018-2029)
- 8.3 Europe Boron Oxide Particles Market Size by Country
  - 8.3.1 Europe Boron Oxide Particles Sales Quantity by Country (2018-2029)
  - 8.3.2 Europe Boron Oxide Particles Consumption Value by Country (2018-2029)
  - 8.3.3 Germany Market Size and Forecast (2018-2029)
  - 8.3.4 France Market Size and Forecast (2018-2029)
  - 8.3.5 United Kingdom Market Size and Forecast (2018-2029)
  - 8.3.6 Russia Market Size and Forecast (2018-2029)
  - 8.3.7 Italy Market Size and Forecast (2018-2029)

## **9 ASIA-PACIFIC**

- 9.1 Asia-Pacific Boron Oxide Particles Sales Quantity by Type (2018-2029)
- 9.2 Asia-Pacific Boron Oxide Particles Sales Quantity by Application (2018-2029)
- 9.3 Asia-Pacific Boron Oxide Particles Market Size by Region
  - 9.3.1 Asia-Pacific Boron Oxide Particles Sales Quantity by Region (2018-2029)
  - 9.3.2 Asia-Pacific Boron Oxide Particles Consumption Value by Region (2018-2029)
  - 9.3.3 China Market Size and Forecast (2018-2029)

- 9.3.4 Japan Market Size and Forecast (2018-2029)
- 9.3.5 Korea Market Size and Forecast (2018-2029)
- 9.3.6 India Market Size and Forecast (2018-2029)
- 9.3.7 Southeast Asia Market Size and Forecast (2018-2029)
- 9.3.8 Australia Market Size and Forecast (2018-2029)

## **10 SOUTH AMERICA**

- 10.1 South America Boron Oxide Particles Sales Quantity by Type (2018-2029)
- 10.2 South America Boron Oxide Particles Sales Quantity by Application (2018-2029)
- 10.3 South America Boron Oxide Particles Market Size by Country
  - 10.3.1 South America Boron Oxide Particles Sales Quantity by Country (2018-2029)
  - 10.3.2 South America Boron Oxide Particles Consumption Value by Country (2018-2029)
  - 10.3.3 Brazil Market Size and Forecast (2018-2029)
  - 10.3.4 Argentina Market Size and Forecast (2018-2029)

## **11 MIDDLE EAST & AFRICA**

- 11.1 Middle East & Africa Boron Oxide Particles Sales Quantity by Type (2018-2029)
- 11.2 Middle East & Africa Boron Oxide Particles Sales Quantity by Application (2018-2029)
- 11.3 Middle East & Africa Boron Oxide Particles Market Size by Country
  - 11.3.1 Middle East & Africa Boron Oxide Particles Sales Quantity by Country (2018-2029)
  - 11.3.2 Middle East & Africa Boron Oxide Particles Consumption Value by Country (2018-2029)
  - 11.3.3 Turkey Market Size and Forecast (2018-2029)
  - 11.3.4 Egypt Market Size and Forecast (2018-2029)
  - 11.3.5 Saudi Arabia Market Size and Forecast (2018-2029)
  - 11.3.6 South Africa Market Size and Forecast (2018-2029)

## **12 MARKET DYNAMICS**

- 12.1 Boron Oxide Particles Market Drivers
- 12.2 Boron Oxide Particles Market Restraints
- 12.3 Boron Oxide Particles Trends Analysis
- 12.4 Porters Five Forces Analysis
  - 12.4.1 Threat of New Entrants

- 12.4.2 Bargaining Power of Suppliers
- 12.4.3 Bargaining Power of Buyers
- 12.4.4 Threat of Substitutes
- 12.4.5 Competitive Rivalry
- 12.5 Influence of COVID-19 and Russia-Ukraine War
  - 12.5.1 Influence of COVID-19
  - 12.5.2 Influence of Russia-Ukraine War

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

- 13.1 Raw Material of Boron Oxide Particles and Key Manufacturers
- 13.2 Manufacturing Costs Percentage of Boron Oxide Particles
- 13.3 Boron Oxide Particles Production Process
- 13.4 Boron Oxide Particles Industrial Chain

## **14 SHIPMENTS BY DISTRIBUTION CHANNEL**

- 14.1 Sales Channel
  - 14.1.1 Direct to End-User
  - 14.1.2 Distributors
- 14.2 Boron Oxide Particles Typical Distributors
- 14.3 Boron Oxide Particles Typical Customers

## **15 RESEARCH FINDINGS AND CONCLUSION**

## **16 APPENDIX**

- 16.1 Methodology
- 16.2 Research Process and Data Source
- 16.3 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. Global Boron Oxide Particles Consumption Value by Type, (USD Million), 2018 & 2022 & 2029

Table 2. Global Boron Oxide Particles Consumption Value by Application, (USD Million), 2018 & 2022 & 2029

Table 3. SkySpring Nanomaterials, Inc. Basic Information, Manufacturing Base and Competitors

Table 4. SkySpring Nanomaterials, Inc. Major Business

Table 5. SkySpring Nanomaterials, Inc. Boron Oxide Particles Product and Services

Table 6. SkySpring Nanomaterials, Inc. Boron Oxide Particles Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 7. SkySpring Nanomaterials, Inc. Recent Developments/Updates

Table 8. US Research Nanomaterials, Inc. Basic Information, Manufacturing Base and Competitors

Table 9. US Research Nanomaterials, Inc. Major Business

Table 10. US Research Nanomaterials, Inc. Boron Oxide Particles Product and Services

Table 11. US Research Nanomaterials, Inc. Boron Oxide Particles Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 12. US Research Nanomaterials, Inc. Recent Developments/Updates

Table 13. Eprui Nanoparticles & Microspheres Co. Ltd. Basic Information, Manufacturing Base and Competitors

Table 14. Eprui Nanoparticles & Microspheres Co. Ltd. Major Business

Table 15. Eprui Nanoparticles & Microspheres Co. Ltd. Boron Oxide Particles Product and Services

Table 16. Eprui Nanoparticles & Microspheres Co. Ltd. Boron Oxide Particles Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 17. Eprui Nanoparticles & Microspheres Co. Ltd. Recent Developments/Updates

Table 18. Nanostructured & Amorphous Materials, Inc. Basic Information, Manufacturing Base and Competitors

Table 19. Nanostructured & Amorphous Materials, Inc. Major Business

Table 20. Nanostructured & Amorphous Materials, Inc. Boron Oxide Particles Product and Services

Table 21. Nanostructured & Amorphous Materials, Inc. Boron Oxide Particles Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 22. Nanostructured & Amorphous Materials, Inc. Recent Developments/Updates

Table 23. American Elements Basic Information, Manufacturing Base and Competitors

Table 24. American Elements Major Business

Table 25. American Elements Boron Oxide Particles Product and Services

Table 26. American Elements Boron Oxide Particles Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 27. American Elements Recent Developments/Updates

Table 28. Avantor Basic Information, Manufacturing Base and Competitors

Table 29. Avantor Major Business

Table 30. Avantor Boron Oxide Particles Product and Services

Table 31. Avantor Boron Oxide Particles Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 32. Avantor Recent Developments/Updates

Table 33. Materion Corporation Basic Information, Manufacturing Base and Competitors

Table 34. Materion Corporation Major Business

Table 35. Materion Corporation Boron Oxide Particles Product and Services

Table 36. Materion Corporation Boron Oxide Particles Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 37. Materion Corporation Recent Developments/Updates

Table 38. Skyrun Industrial Co. Ltd. Basic Information, Manufacturing Base and Competitors

Table 39. Skyrun Industrial Co. Ltd. Major Business

Table 40. Skyrun Industrial Co. Ltd. Boron Oxide Particles Product and Services

Table 41. Skyrun Industrial Co. Ltd. Boron Oxide Particles Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 42. Skyrun Industrial Co. Ltd. Recent Developments/Updates

Table 43. Shanghai Macklin Biochemical Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 44. Shanghai Macklin Biochemical Co., Ltd. Major Business

Table 45. Shanghai Macklin Biochemical Co., Ltd. Boron Oxide Particles Product and Services

Table 46. Shanghai Macklin Biochemical Co., Ltd. Boron Oxide Particles Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 47. Shanghai Macklin Biochemical Co., Ltd. Recent Developments/Updates

Table 48. Hangzhou J&H Chemical Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 49. Hangzhou J&H Chemical Co., Ltd. Major Business

Table 50. Hangzhou J&H Chemical Co., Ltd. Boron Oxide Particles Product and Services

Table 51. Hangzhou J&H Chemical Co., Ltd. Boron Oxide Particles Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 52. Hangzhou J&H Chemical Co., Ltd. Recent Developments/Updates

Table 53. Thermo Fisher Scientific Basic Information, Manufacturing Base and Competitors

Table 54. Thermo Fisher Scientific Major Business

Table 55. Thermo Fisher Scientific Boron Oxide Particles Product and Services

Table 56. Thermo Fisher Scientific Boron Oxide Particles Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 57. Thermo Fisher Scientific Recent Developments/Updates

Table 58. Santa Cruz Biotechnology, Inc. Basic Information, Manufacturing Base and Competitors

Table 59. Santa Cruz Biotechnology, Inc. Major Business

Table 60. Santa Cruz Biotechnology, Inc. Boron Oxide Particles Product and Services

Table 61. Santa Cruz Biotechnology, Inc. Boron Oxide Particles Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 62. Santa Cruz Biotechnology, Inc. Recent Developments/Updates

Table 63. Merck KGaA Basic Information, Manufacturing Base and Competitors

Table 64. Merck KGaA Major Business

Table 65. Merck KGaA Boron Oxide Particles Product and Services

Table 66. Merck KGaA Boron Oxide Particles Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 67. Merck KGaA Recent Developments/Updates

Table 68. Global Boron Oxide Particles Sales Quantity by Manufacturer (2018-2023) & (Tons)

Table 69. Global Boron Oxide Particles Revenue by Manufacturer (2018-2023) & (USD Million)

Table 70. Global Boron Oxide Particles Average Price by Manufacturer (2018-2023) & (US\$/Ton)

Table 71. Market Position of Manufacturers in Boron Oxide Particles, (Tier 1, Tier 2, and Tier 3), Based on Consumption Value in 2022

Table 72. Head Office and Boron Oxide Particles Production Site of Key Manufacturer

Table 73. Boron Oxide Particles Market: Company Product Type Footprint

Table 74. Boron Oxide Particles Market: Company Product Application Footprint

Table 75. Boron Oxide Particles New Market Entrants and Barriers to Market Entry

Table 76. Boron Oxide Particles Mergers, Acquisition, Agreements, and Collaborations

Table 77. Global Boron Oxide Particles Sales Quantity by Region (2018-2023) & (Tons)

Table 78. Global Boron Oxide Particles Sales Quantity by Region (2024-2029) & (Tons)

Table 79. Global Boron Oxide Particles Consumption Value by Region (2018-2023) & (USD Million)

Table 80. Global Boron Oxide Particles Consumption Value by Region (2024-2029) & (USD Million)

Table 81. Global Boron Oxide Particles Average Price by Region (2018-2023) & (US\$/Ton)

Table 82. Global Boron Oxide Particles Average Price by Region (2024-2029) & (US\$/Ton)

Table 83. Global Boron Oxide Particles Sales Quantity by Type (2018-2023) & (Tons)

Table 84. Global Boron Oxide Particles Sales Quantity by Type (2024-2029) & (Tons)

Table 85. Global Boron Oxide Particles Consumption Value by Type (2018-2023) & (USD Million)

Table 86. Global Boron Oxide Particles Consumption Value by Type (2024-2029) & (USD Million)

Table 87. Global Boron Oxide Particles Average Price by Type (2018-2023) & (US\$/Ton)

Table 88. Global Boron Oxide Particles Average Price by Type (2024-2029) & (US\$/Ton)

Table 89. Global Boron Oxide Particles Sales Quantity by Application (2018-2023) & (Tons)

Table 90. Global Boron Oxide Particles Sales Quantity by Application (2024-2029) & (Tons)

Table 91. Global Boron Oxide Particles Consumption Value by Application (2018-2023) & (USD Million)

Table 92. Global Boron Oxide Particles Consumption Value by Application (2024-2029) & (USD Million)

Table 93. Global Boron Oxide Particles Average Price by Application (2018-2023) & (US\$/Ton)

Table 94. Global Boron Oxide Particles Average Price by Application (2024-2029) & (US\$/Ton)

Table 95. North America Boron Oxide Particles Sales Quantity by Type (2018-2023) & (Tons)



Table 96. North America Boron Oxide Particles Sales Quantity by Type (2024-2029) & (Tons)

Table 97. North America Boron Oxide Particles Sales Quantity by Application (2018-2023) & (Tons)

Table 98. North America Boron Oxide Particles Sales Quantity by Application (2024-2029) & (Tons)

Table 99. North America Boron Oxide Particles Sales Quantity by Country (2018-2023) & (Tons)

Table 100. North America Boron Oxide Particles Sales Quantity by Country (2024-2029) & (Tons)

Table 101. North America Boron Oxide Particles Consumption Value by Country (2018-2023) & (USD Million)

Table 102. North America Boron Oxide Particles Consumption Value by Country (2024-2029) & (USD Million)

Table 103. Europe Boron Oxide Particles Sales Quantity by Type (2018-2023) & (Tons)

Table 104. Europe Boron Oxide Particles Sales Quantity by Type (2024-2029) & (Tons)

Table 105. Europe Boron Oxide Particles Sales Quantity by Application (2018-2023) & (Tons)

Table 106. Europe Boron Oxide Particles Sales Quantity by Application (2024-2029) & (Tons)

Table 107. Europe Boron Oxide Particles Sales Quantity by Country (2018-2023) & (Tons)

Table 108. Europe Boron Oxide Particles Sales Quantity by Country (2024-2029) & (Tons)

Table 109. Europe Boron Oxide Particles Consumption Value by Country (2018-2023) & (USD Million)

Table 110. Europe Boron Oxide Particles Consumption Value by Country (2024-2029) & (USD Million)

Table 111. Asia-Pacific Boron Oxide Particles Sales Quantity by Type (2018-2023) & (Tons)

Table 112. Asia-Pacific Boron Oxide Particles Sales Quantity by Type (2024-2029) & (Tons)

Table 113. Asia-Pacific Boron Oxide Particles Sales Quantity by Application (2018-2023) & (Tons)

Table 114. Asia-Pacific Boron Oxide Particles Sales Quantity by Application (2024-2029) & (Tons)

Table 115. Asia-Pacific Boron Oxide Particles Sales Quantity by Region (2018-2023) & (Tons)

Table 116. Asia-Pacific Boron Oxide Particles Sales Quantity by Region (2024-2029) &

(Tons)

Table 117. Asia-Pacific Boron Oxide Particles Consumption Value by Region (2018-2023) & (USD Million)

Table 118. Asia-Pacific Boron Oxide Particles Consumption Value by Region (2024-2029) & (USD Million)

Table 119. South America Boron Oxide Particles Sales Quantity by Type (2018-2023) & (Tons)

Table 120. South America Boron Oxide Particles Sales Quantity by Type (2024-2029) & (Tons)

Table 121. South America Boron Oxide Particles Sales Quantity by Application (2018-2023) & (Tons)

Table 122. South America Boron Oxide Particles Sales Quantity by Application (2024-2029) & (Tons)

Table 123. South America Boron Oxide Particles Sales Quantity by Country (2018-2023) & (Tons)

Table 124. South America Boron Oxide Particles Sales Quantity by Country (2024-2029) & (Tons)

Table 125. South America Boron Oxide Particles Consumption Value by Country (2018-2023) & (USD Million)

Table 126. South America Boron Oxide Particles Consumption Value by Country (2024-2029) & (USD Million)

Table 127. Middle East & Africa Boron Oxide Particles Sales Quantity by Type (2018-2023) & (Tons)

Table 128. Middle East & Africa Boron Oxide Particles Sales Quantity by Type (2024-2029) & (Tons)

Table 129. Middle East & Africa Boron Oxide Particles Sales Quantity by Application (2018-2023) & (Tons)

Table 130. Middle East & Africa Boron Oxide Particles Sales Quantity by Application (2024-2029) & (Tons)

Table 131. Middle East & Africa Boron Oxide Particles Sales Quantity by Region (2018-2023) & (Tons)

Table 132. Middle East & Africa Boron Oxide Particles Sales Quantity by Region (2024-2029) & (Tons)

Table 133. Middle East & Africa Boron Oxide Particles Consumption Value by Region (2018-2023) & (USD Million)

Table 134. Middle East & Africa Boron Oxide Particles Consumption Value by Region (2024-2029) & (USD Million)

Table 135. Boron Oxide Particles Raw Material

Table 136. Key Manufacturers of Boron Oxide Particles Raw Materials

Table 137. Boron Oxide Particles Typical Distributors

Table 138. Boron Oxide Particles Typical Customers

## List Of Figures

### LIST OF FIGURES

Figure 1. Boron Oxide Particles Picture

Figure 2. Global Boron Oxide Particles Consumption Value by Type, (USD Million), 2018 & 2022 & 2029

Figure 3. Global Boron Oxide Particles Consumption Value Market Share by Type in 2022

Figure 4. Nano Boron Oxide Particles Examples

Figure 5. Micron Boron Oxide Particles Examples

Figure 6. Global Boron Oxide Particles Consumption Value by Application, (USD Million), 2018 & 2022 & 2029

Figure 7. Global Boron Oxide Particles Consumption Value Market Share by Application in 2022

Figure 8. Ceramic Material Examples

Figure 9. Electronic Material Examples

Figure 10. Optical Material Examples

Figure 11. Paint Material Examples

Figure 12. Global Boron Oxide Particles Consumption Value, (USD Million): 2018 & 2022 & 2029

Figure 13. Global Boron Oxide Particles Consumption Value and Forecast (2018-2029) & (USD Million)

Figure 14. Global Boron Oxide Particles Sales Quantity (2018-2029) & (Tons)

Figure 15. Global Boron Oxide Particles Average Price (2018-2029) & (US\$/Ton)

Figure 16. Global Boron Oxide Particles Sales Quantity Market Share by Manufacturer in 2022

Figure 17. Global Boron Oxide Particles Consumption Value Market Share by Manufacturer in 2022

Figure 18. Producer Shipments of Boron Oxide Particles by Manufacturer Sales Quantity (\$MM) and Market Share (%): 2021

Figure 19. Top 3 Boron Oxide Particles Manufacturer (Consumption Value) Market Share in 2022

Figure 20. Top 6 Boron Oxide Particles Manufacturer (Consumption Value) Market Share in 2022

Figure 21. Global Boron Oxide Particles Sales Quantity Market Share by Region (2018-2029)

Figure 22. Global Boron Oxide Particles Consumption Value Market Share by Region (2018-2029)

Figure 23. North America Boron Oxide Particles Consumption Value (2018-2029) & (USD Million)

Figure 24. Europe Boron Oxide Particles Consumption Value (2018-2029) & (USD Million)

Figure 25. Asia-Pacific Boron Oxide Particles Consumption Value (2018-2029) & (USD Million)

Figure 26. South America Boron Oxide Particles Consumption Value (2018-2029) & (USD Million)

Figure 27. Middle East & Africa Boron Oxide Particles Consumption Value (2018-2029) & (USD Million)

Figure 28. Global Boron Oxide Particles Sales Quantity Market Share by Type (2018-2029)

Figure 29. Global Boron Oxide Particles Consumption Value Market Share by Type (2018-2029)

Figure 30. Global Boron Oxide Particles Average Price by Type (2018-2029) & (US\$/Ton)

Figure 31. Global Boron Oxide Particles Sales Quantity Market Share by Application (2018-2029)

Figure 32. Global Boron Oxide Particles Consumption Value Market Share by Application (2018-2029)

Figure 33. Global Boron Oxide Particles Average Price by Application (2018-2029) & (US\$/Ton)

Figure 34. North America Boron Oxide Particles Sales Quantity Market Share by Type (2018-2029)

Figure 35. North America Boron Oxide Particles Sales Quantity Market Share by Application (2018-2029)

Figure 36. North America Boron Oxide Particles Sales Quantity Market Share by Country (2018-2029)

Figure 37. North America Boron Oxide Particles Consumption Value Market Share by Country (2018-2029)

Figure 38. United States Boron Oxide Particles Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 39. Canada Boron Oxide Particles Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 40. Mexico Boron Oxide Particles Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 41. Europe Boron Oxide Particles Sales Quantity Market Share by Type (2018-2029)

Figure 42. Europe Boron Oxide Particles Sales Quantity Market Share by Application

(2018-2029)

Figure 43. Europe Boron Oxide Particles Sales Quantity Market Share by Country (2018-2029)

Figure 44. Europe Boron Oxide Particles Consumption Value Market Share by Country (2018-2029)

Figure 45. Germany Boron Oxide Particles Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 46. France Boron Oxide Particles Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 47. United Kingdom Boron Oxide Particles Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 48. Russia Boron Oxide Particles Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 49. Italy Boron Oxide Particles Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 50. Asia-Pacific Boron Oxide Particles Sales Quantity Market Share by Type (2018-2029)

Figure 51. Asia-Pacific Boron Oxide Particles Sales Quantity Market Share by Application (2018-2029)

Figure 52. Asia-Pacific Boron Oxide Particles Sales Quantity Market Share by Region (2018-2029)

Figure 53. Asia-Pacific Boron Oxide Particles Consumption Value Market Share by Region (2018-2029)

Figure 54. China Boron Oxide Particles Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 55. Japan Boron Oxide Particles Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 56. Korea Boron Oxide Particles Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 57. India Boron Oxide Particles Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 58. Southeast Asia Boron Oxide Particles Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 59. Australia Boron Oxide Particles Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 60. South America Boron Oxide Particles Sales Quantity Market Share by Type (2018-2029)

Figure 61. South America Boron Oxide Particles Sales Quantity Market Share by Application (2018-2029)

Figure 62. South America Boron Oxide Particles Sales Quantity Market Share by Country (2018-2029)

Figure 63. South America Boron Oxide Particles Consumption Value Market Share by Country (2018-2029)

Figure 64. Brazil Boron Oxide Particles Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 65. Argentina Boron Oxide Particles Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 66. Middle East & Africa Boron Oxide Particles Sales Quantity Market Share by Type (2018-2029)

Figure 67. Middle East & Africa Boron Oxide Particles Sales Quantity Market Share by Application (2018-2029)

Figure 68. Middle East & Africa Boron Oxide Particles Sales Quantity Market Share by Region (2018-2029)

Figure 69. Middle East & Africa Boron Oxide Particles Consumption Value Market Share by Region (2018-2029)

Figure 70. Turkey Boron Oxide Particles Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 71. Egypt Boron Oxide Particles Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 72. Saudi Arabia Boron Oxide Particles Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 73. South Africa Boron Oxide Particles Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 74. Boron Oxide Particles Market Drivers

Figure 75. Boron Oxide Particles Market Restraints

Figure 76. Boron Oxide Particles Market Trends

Figure 77. Porters Five Forces Analysis

Figure 78. Manufacturing Cost Structure Analysis of Boron Oxide Particles in 2022

Figure 79. Manufacturing Process Analysis of Boron Oxide Particles

Figure 80. Boron Oxide Particles Industrial Chain

Figure 81. Sales Quantity Channel: Direct to End-User vs Distributors

Figure 82. Direct Channel Pros & Cons

Figure 83. Indirect Channel Pros & Cons

Figure 84. Methodology

Figure 85. Research Process and Data Source

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