

Global Boron-11 Trifluoride (11BF3) Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

<https://marketpublishers.com/r/GE7528CBE6B2EN.html>

Date: June 2023

Pages: 90

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

ID: GE7528CBE6B2EN

Abstracts

According to our (Global Info Research) latest study, the global Boron-11 Trifluoride (11BF3) 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-11 Trifluoride (11BF3), an inorganic compound with the chemical formula BF₃, is a colorless gas, soluble in cold water, concentrated sulfuric acid and most organic solvents, mainly used as a catalyst in organic synthesis, and also used in the manufacture of high-energy fuel for rockets.

This report is a detailed and comprehensive analysis for global Boron-11 Trifluoride (11BF3) 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-11 Trifluoride (11BF3) market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2018-2029

Global Boron-11 Trifluoride (11BF3) 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-11 Trifluoride (11BF3) 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-11 Trifluoride (11BF3) 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-11 Trifluoride (11BF3)

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-11 Trifluoride (11BF3) 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 3M, American Elements, Honeywell, Linde Ag 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-11 Trifluoride (11BF3) 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

Etherate Complexes Type

Dimethanol Complex Type

Others

Market segment by Application

Electricity

Coking

Steel

Paper

Textile

Chemical

Medical

Others

Major players covered

3M

American Elements

Honeywell

Linde Ag

American Elements

BASF

Srlchem

JK-Scientific

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-11 Trifluoride (11BF₃) product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Boron-11 Trifluoride (11BF₃), with price, sales, revenue and global market share of Boron-11 Trifluoride (11BF₃) from 2018 to 2023.

Chapter 3, the Boron-11 Trifluoride (11BF₃) competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Boron-11 Trifluoride (11BF₃) 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-11 Trifluoride ($^{11}\text{BF}_3$) 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-11 Trifluoride ($^{11}\text{BF}_3$).

Chapter 14 and 15, to describe Boron-11 Trifluoride ($^{11}\text{BF}_3$) sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

- 1.1 Product Overview and Scope of Boron-11 Trifluoride (11BF3)
- 1.2 Market Estimation Caveats and Base Year
- 1.3 Market Analysis by Type
 - 1.3.1 Overview: Global Boron-11 Trifluoride (11BF3) Consumption Value by Type: 2018 Versus 2022 Versus 2029
 - 1.3.2 Etherate Complexes Type
 - 1.3.3 Dimethanol Complexes Type
 - 1.3.4 Others
- 1.4 Market Analysis by Application
 - 1.4.1 Overview: Global Boron-11 Trifluoride (11BF3) Consumption Value by Application: 2018 Versus 2022 Versus 2029
 - 1.4.2 Electricity
 - 1.4.3 Coking
 - 1.4.4 Steel
 - 1.4.5 Paper
 - 1.4.6 Textile
 - 1.4.7 Chemical
 - 1.4.8 Medical
 - 1.4.9 Others
- 1.5 Global Boron-11 Trifluoride (11BF3) Market Size & Forecast
 - 1.5.1 Global Boron-11 Trifluoride (11BF3) Consumption Value (2018 & 2022 & 2029)
 - 1.5.2 Global Boron-11 Trifluoride (11BF3) Sales Quantity (2018-2029)
 - 1.5.3 Global Boron-11 Trifluoride (11BF3) Average Price (2018-2029)

2 MANUFACTURERS PROFILES

- 2.1 3M
 - 2.1.1 3M Details
 - 2.1.2 3M Major Business
 - 2.1.3 3M Boron-11 Trifluoride (11BF3) Product and Services
 - 2.1.4 3M Boron-11 Trifluoride (11BF3) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.1.5 3M Recent Developments/Updates
- 2.2 American Elements
 - 2.2.1 American Elements Details

- 2.2.2 American Elements Major Business
- 2.2.3 American Elements Boron-11 Trifluoride (11BF3) Product and Services
- 2.2.4 American Elements Boron-11 Trifluoride (11BF3) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
- 2.2.5 American Elements Recent Developments/Updates
- 2.3 Honeywell
 - 2.3.1 Honeywell Details
 - 2.3.2 Honeywell Major Business
 - 2.3.3 Honeywell Boron-11 Trifluoride (11BF3) Product and Services
 - 2.3.4 Honeywell Boron-11 Trifluoride (11BF3) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.3.5 Honeywell Recent Developments/Updates
- 2.4 Linde Ag
 - 2.4.1 Linde Ag Details
 - 2.4.2 Linde Ag Major Business
 - 2.4.3 Linde Ag Boron-11 Trifluoride (11BF3) Product and Services
 - 2.4.4 Linde Ag Boron-11 Trifluoride (11BF3) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.4.5 Linde Ag 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-11 Trifluoride (11BF3) Product and Services
 - 2.5.4 American Elements Boron-11 Trifluoride (11BF3) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.5.5 American Elements Recent Developments/Updates
- 2.6 BASF
 - 2.6.1 BASF Details
 - 2.6.2 BASF Major Business
 - 2.6.3 BASF Boron-11 Trifluoride (11BF3) Product and Services
 - 2.6.4 BASF Boron-11 Trifluoride (11BF3) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.6.5 BASF Recent Developments/Updates
- 2.7 Srlchem
 - 2.7.1 Srlchem Details
 - 2.7.2 Srlchem Major Business
 - 2.7.3 Srlchem Boron-11 Trifluoride (11BF3) Product and Services
 - 2.7.4 Srlchem Boron-11 Trifluoride (11BF3) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

- 2.7.5 Srlchem Recent Developments/Updates
- 2.8 JK-Scientific
 - 2.8.1 JK-Scientific Details
 - 2.8.2 JK-Scientific Major Business
 - 2.8.3 JK-Scientific Boron-11 Trifluoride (11BF3) Product and Services
 - 2.8.4 JK-Scientific Boron-11 Trifluoride (11BF3) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.8.5 JK-Scientific Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: BORON-11 TRIFLUORIDE (11BF3) BY MANUFACTURER

- 3.1 Global Boron-11 Trifluoride (11BF3) Sales Quantity by Manufacturer (2018-2023)
- 3.2 Global Boron-11 Trifluoride (11BF3) Revenue by Manufacturer (2018-2023)
- 3.3 Global Boron-11 Trifluoride (11BF3) Average Price by Manufacturer (2018-2023)
- 3.4 Market Share Analysis (2022)
 - 3.4.1 Producer Shipments of Boron-11 Trifluoride (11BF3) by Manufacturer Revenue (\$MM) and Market Share (%): 2022
 - 3.4.2 Top 3 Boron-11 Trifluoride (11BF3) Manufacturer Market Share in 2022
 - 3.4.2 Top 6 Boron-11 Trifluoride (11BF3) Manufacturer Market Share in 2022
- 3.5 Boron-11 Trifluoride (11BF3) Market: Overall Company Footprint Analysis
 - 3.5.1 Boron-11 Trifluoride (11BF3) Market: Region Footprint
 - 3.5.2 Boron-11 Trifluoride (11BF3) Market: Company Product Type Footprint
 - 3.5.3 Boron-11 Trifluoride (11BF3) 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-11 Trifluoride (11BF3) Market Size by Region
 - 4.1.1 Global Boron-11 Trifluoride (11BF3) Sales Quantity by Region (2018-2029)
 - 4.1.2 Global Boron-11 Trifluoride (11BF3) Consumption Value by Region (2018-2029)
 - 4.1.3 Global Boron-11 Trifluoride (11BF3) Average Price by Region (2018-2029)
- 4.2 North America Boron-11 Trifluoride (11BF3) Consumption Value (2018-2029)
- 4.3 Europe Boron-11 Trifluoride (11BF3) Consumption Value (2018-2029)
- 4.4 Asia-Pacific Boron-11 Trifluoride (11BF3) Consumption Value (2018-2029)
- 4.5 South America Boron-11 Trifluoride (11BF3) Consumption Value (2018-2029)
- 4.6 Middle East and Africa Boron-11 Trifluoride (11BF3) Consumption Value (2018-2029)

5 MARKET SEGMENT BY TYPE

- 5.1 Global Boron-11 Trifluoride (11BF3) Sales Quantity by Type (2018-2029)
- 5.2 Global Boron-11 Trifluoride (11BF3) Consumption Value by Type (2018-2029)
- 5.3 Global Boron-11 Trifluoride (11BF3) Average Price by Type (2018-2029)

6 MARKET SEGMENT BY APPLICATION

- 6.1 Global Boron-11 Trifluoride (11BF3) Sales Quantity by Application (2018-2029)
- 6.2 Global Boron-11 Trifluoride (11BF3) Consumption Value by Application (2018-2029)
- 6.3 Global Boron-11 Trifluoride (11BF3) Average Price by Application (2018-2029)

7 NORTH AMERICA

- 7.1 North America Boron-11 Trifluoride (11BF3) Sales Quantity by Type (2018-2029)
- 7.2 North America Boron-11 Trifluoride (11BF3) Sales Quantity by Application (2018-2029)
- 7.3 North America Boron-11 Trifluoride (11BF3) Market Size by Country
 - 7.3.1 North America Boron-11 Trifluoride (11BF3) Sales Quantity by Country (2018-2029)
 - 7.3.2 North America Boron-11 Trifluoride (11BF3) 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-11 Trifluoride (11BF3) Sales Quantity by Type (2018-2029)
- 8.2 Europe Boron-11 Trifluoride (11BF3) Sales Quantity by Application (2018-2029)
- 8.3 Europe Boron-11 Trifluoride (11BF3) Market Size by Country
 - 8.3.1 Europe Boron-11 Trifluoride (11BF3) Sales Quantity by Country (2018-2029)
 - 8.3.2 Europe Boron-11 Trifluoride (11BF3) 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-11 Trifluoride (11BF3) Sales Quantity by Type (2018-2029)

9.2 Asia-Pacific Boron-11 Trifluoride (11BF3) Sales Quantity by Application (2018-2029)

9.3 Asia-Pacific Boron-11 Trifluoride (11BF3) Market Size by Region

9.3.1 Asia-Pacific Boron-11 Trifluoride (11BF3) Sales Quantity by Region (2018-2029)

9.3.2 Asia-Pacific Boron-11 Trifluoride (11BF3) 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-11 Trifluoride (11BF3) Sales Quantity by Type (2018-2029)

10.2 South America Boron-11 Trifluoride (11BF3) Sales Quantity by Application (2018-2029)

10.3 South America Boron-11 Trifluoride (11BF3) Market Size by Country

10.3.1 South America Boron-11 Trifluoride (11BF3) Sales Quantity by Country (2018-2029)

10.3.2 South America Boron-11 Trifluoride (11BF3) 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-11 Trifluoride (11BF3) Sales Quantity by Type (2018-2029)

11.2 Middle East & Africa Boron-11 Trifluoride (11BF3) Sales Quantity by Application (2018-2029)

11.3 Middle East & Africa Boron-11 Trifluoride (11BF3) Market Size by Country

11.3.1 Middle East & Africa Boron-11 Trifluoride (11BF3) Sales Quantity by Country (2018-2029)

11.3.2 Middle East & Africa Boron-11 Trifluoride (11BF3) 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-11 Trifluoride (11BF3) Market Drivers

12.2 Boron-11 Trifluoride (11BF3) Market Restraints

12.3 Boron-11 Trifluoride (11BF3) 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-11 Trifluoride (11BF3) and Key Manufacturers

13.2 Manufacturing Costs Percentage of Boron-11 Trifluoride (11BF3)

13.3 Boron-11 Trifluoride (11BF3) Production Process

13.4 Boron-11 Trifluoride (11BF3) 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-11 Trifluoride (11BF3) Typical Distributors

14.3 Boron-11 Trifluoride (11BF3) 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-11 Trifluoride (11BF3) Consumption Value by Type, (USD Million), 2018 & 2022 & 2029
- Table 2. Global Boron-11 Trifluoride (11BF3) Consumption Value by Application, (USD Million), 2018 & 2022 & 2029
- Table 3. 3M Basic Information, Manufacturing Base and Competitors
- Table 4. 3M Major Business
- Table 5. 3M Boron-11 Trifluoride (11BF3) Product and Services
- Table 6. 3M Boron-11 Trifluoride (11BF3) Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 7. 3M Recent Developments/Updates
- Table 8. American Elements Basic Information, Manufacturing Base and Competitors
- Table 9. American Elements Major Business
- Table 10. American Elements Boron-11 Trifluoride (11BF3) Product and Services
- Table 11. American Elements Boron-11 Trifluoride (11BF3) Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 12. American Elements Recent Developments/Updates
- Table 13. Honeywell Basic Information, Manufacturing Base and Competitors
- Table 14. Honeywell Major Business
- Table 15. Honeywell Boron-11 Trifluoride (11BF3) Product and Services
- Table 16. Honeywell Boron-11 Trifluoride (11BF3) Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 17. Honeywell Recent Developments/Updates
- Table 18. Linde Ag Basic Information, Manufacturing Base and Competitors
- Table 19. Linde Ag Major Business
- Table 20. Linde Ag Boron-11 Trifluoride (11BF3) Product and Services
- Table 21. Linde Ag Boron-11 Trifluoride (11BF3) Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 22. Linde Ag Recent Developments/Updates
- Table 23. American Elements Basic Information, Manufacturing Base and Competitors
- Table 24. American Elements Major Business
- Table 25. American Elements Boron-11 Trifluoride (11BF3) Product and Services
- Table 26. American Elements Boron-11 Trifluoride (11BF3) 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. BASF Basic Information, Manufacturing Base and Competitors
- Table 29. BASF Major Business
- Table 30. BASF Boron-11 Trifluoride (11BF3) Product and Services
- Table 31. BASF Boron-11 Trifluoride (11BF3) Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 32. BASF Recent Developments/Updates
- Table 33. Srlchem Basic Information, Manufacturing Base and Competitors
- Table 34. Srlchem Major Business
- Table 35. Srlchem Boron-11 Trifluoride (11BF3) Product and Services
- Table 36. Srlchem Boron-11 Trifluoride (11BF3) Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 37. Srlchem Recent Developments/Updates
- Table 38. JK-Scientific Basic Information, Manufacturing Base and Competitors
- Table 39. JK-Scientific Major Business
- Table 40. JK-Scientific Boron-11 Trifluoride (11BF3) Product and Services
- Table 41. JK-Scientific Boron-11 Trifluoride (11BF3) Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 42. JK-Scientific Recent Developments/Updates
- Table 43. Global Boron-11 Trifluoride (11BF3) Sales Quantity by Manufacturer (2018-2023) & (Tons)
- Table 44. Global Boron-11 Trifluoride (11BF3) Revenue by Manufacturer (2018-2023) & (USD Million)
- Table 45. Global Boron-11 Trifluoride (11BF3) Average Price by Manufacturer (2018-2023) & (US\$/Ton)
- Table 46. Market Position of Manufacturers in Boron-11 Trifluoride (11BF3), (Tier 1, Tier 2, and Tier 3), Based on Consumption Value in 2022
- Table 47. Head Office and Boron-11 Trifluoride (11BF3) Production Site of Key Manufacturer
- Table 48. Boron-11 Trifluoride (11BF3) Market: Company Product Type Footprint
- Table 49. Boron-11 Trifluoride (11BF3) Market: Company Product Application Footprint
- Table 50. Boron-11 Trifluoride (11BF3) New Market Entrants and Barriers to Market Entry
- Table 51. Boron-11 Trifluoride (11BF3) Mergers, Acquisition, Agreements, and Collaborations
- Table 52. Global Boron-11 Trifluoride (11BF3) Sales Quantity by Region (2018-2023) & (Tons)
- Table 53. Global Boron-11 Trifluoride (11BF3) Sales Quantity by Region (2024-2029) & (Tons)

Table 54. Global Boron-11 Trifluoride (11BF3) Consumption Value by Region (2018-2023) & (USD Million)

Table 55. Global Boron-11 Trifluoride (11BF3) Consumption Value by Region (2024-2029) & (USD Million)

Table 56. Global Boron-11 Trifluoride (11BF3) Average Price by Region (2018-2023) & (US\$/Ton)

Table 57. Global Boron-11 Trifluoride (11BF3) Average Price by Region (2024-2029) & (US\$/Ton)

Table 58. Global Boron-11 Trifluoride (11BF3) Sales Quantity by Type (2018-2023) & (Tons)

Table 59. Global Boron-11 Trifluoride (11BF3) Sales Quantity by Type (2024-2029) & (Tons)

Table 60. Global Boron-11 Trifluoride (11BF3) Consumption Value by Type (2018-2023) & (USD Million)

Table 61. Global Boron-11 Trifluoride (11BF3) Consumption Value by Type (2024-2029) & (USD Million)

Table 62. Global Boron-11 Trifluoride (11BF3) Average Price by Type (2018-2023) & (US\$/Ton)

Table 63. Global Boron-11 Trifluoride (11BF3) Average Price by Type (2024-2029) & (US\$/Ton)

Table 64. Global Boron-11 Trifluoride (11BF3) Sales Quantity by Application (2018-2023) & (Tons)

Table 65. Global Boron-11 Trifluoride (11BF3) Sales Quantity by Application (2024-2029) & (Tons)

Table 66. Global Boron-11 Trifluoride (11BF3) Consumption Value by Application (2018-2023) & (USD Million)

Table 67. Global Boron-11 Trifluoride (11BF3) Consumption Value by Application (2024-2029) & (USD Million)

Table 68. Global Boron-11 Trifluoride (11BF3) Average Price by Application (2018-2023) & (US\$/Ton)

Table 69. Global Boron-11 Trifluoride (11BF3) Average Price by Application (2024-2029) & (US\$/Ton)

Table 70. North America Boron-11 Trifluoride (11BF3) Sales Quantity by Type (2018-2023) & (Tons)

Table 71. North America Boron-11 Trifluoride (11BF3) Sales Quantity by Type (2024-2029) & (Tons)

Table 72. North America Boron-11 Trifluoride (11BF3) Sales Quantity by Application (2018-2023) & (Tons)

Table 73. North America Boron-11 Trifluoride (11BF3) Sales Quantity by Application

(2024-2029) & (Tons)

Table 74. North America Boron-11 Trifluoride (11BF3) Sales Quantity by Country (2018-2023) & (Tons)

Table 75. North America Boron-11 Trifluoride (11BF3) Sales Quantity by Country (2024-2029) & (Tons)

Table 76. North America Boron-11 Trifluoride (11BF3) Consumption Value by Country (2018-2023) & (USD Million)

Table 77. North America Boron-11 Trifluoride (11BF3) Consumption Value by Country (2024-2029) & (USD Million)

Table 78. Europe Boron-11 Trifluoride (11BF3) Sales Quantity by Type (2018-2023) & (Tons)

Table 79. Europe Boron-11 Trifluoride (11BF3) Sales Quantity by Type (2024-2029) & (Tons)

Table 80. Europe Boron-11 Trifluoride (11BF3) Sales Quantity by Application (2018-2023) & (Tons)

Table 81. Europe Boron-11 Trifluoride (11BF3) Sales Quantity by Application (2024-2029) & (Tons)

Table 82. Europe Boron-11 Trifluoride (11BF3) Sales Quantity by Country (2018-2023) & (Tons)

Table 83. Europe Boron-11 Trifluoride (11BF3) Sales Quantity by Country (2024-2029) & (Tons)

Table 84. Europe Boron-11 Trifluoride (11BF3) Consumption Value by Country (2018-2023) & (USD Million)

Table 85. Europe Boron-11 Trifluoride (11BF3) Consumption Value by Country (2024-2029) & (USD Million)

Table 86. Asia-Pacific Boron-11 Trifluoride (11BF3) Sales Quantity by Type (2018-2023) & (Tons)

Table 87. Asia-Pacific Boron-11 Trifluoride (11BF3) Sales Quantity by Type (2024-2029) & (Tons)

Table 88. Asia-Pacific Boron-11 Trifluoride (11BF3) Sales Quantity by Application (2018-2023) & (Tons)

Table 89. Asia-Pacific Boron-11 Trifluoride (11BF3) Sales Quantity by Application (2024-2029) & (Tons)

Table 90. Asia-Pacific Boron-11 Trifluoride (11BF3) Sales Quantity by Region (2018-2023) & (Tons)

Table 91. Asia-Pacific Boron-11 Trifluoride (11BF3) Sales Quantity by Region (2024-2029) & (Tons)

Table 92. Asia-Pacific Boron-11 Trifluoride (11BF3) Consumption Value by Region (2018-2023) & (USD Million)

Table 93. Asia-Pacific Boron-11 Trifluoride (11BF3) Consumption Value by Region (2024-2029) & (USD Million)

Table 94. South America Boron-11 Trifluoride (11BF3) Sales Quantity by Type (2018-2023) & (Tons)

Table 95. South America Boron-11 Trifluoride (11BF3) Sales Quantity by Type (2024-2029) & (Tons)

Table 96. South America Boron-11 Trifluoride (11BF3) Sales Quantity by Application (2018-2023) & (Tons)

Table 97. South America Boron-11 Trifluoride (11BF3) Sales Quantity by Application (2024-2029) & (Tons)

Table 98. South America Boron-11 Trifluoride (11BF3) Sales Quantity by Country (2018-2023) & (Tons)

Table 99. South America Boron-11 Trifluoride (11BF3) Sales Quantity by Country (2024-2029) & (Tons)

Table 100. South America Boron-11 Trifluoride (11BF3) Consumption Value by Country (2018-2023) & (USD Million)

Table 101. South America Boron-11 Trifluoride (11BF3) Consumption Value by Country (2024-2029) & (USD Million)

Table 102. Middle East & Africa Boron-11 Trifluoride (11BF3) Sales Quantity by Type (2018-2023) & (Tons)

Table 103. Middle East & Africa Boron-11 Trifluoride (11BF3) Sales Quantity by Type (2024-2029) & (Tons)

Table 104. Middle East & Africa Boron-11 Trifluoride (11BF3) Sales Quantity by Application (2018-2023) & (Tons)

Table 105. Middle East & Africa Boron-11 Trifluoride (11BF3) Sales Quantity by Application (2024-2029) & (Tons)

Table 106. Middle East & Africa Boron-11 Trifluoride (11BF3) Sales Quantity by Region (2018-2023) & (Tons)

Table 107. Middle East & Africa Boron-11 Trifluoride (11BF3) Sales Quantity by Region (2024-2029) & (Tons)

Table 108. Middle East & Africa Boron-11 Trifluoride (11BF3) Consumption Value by Region (2018-2023) & (USD Million)

Table 109. Middle East & Africa Boron-11 Trifluoride (11BF3) Consumption Value by Region (2024-2029) & (USD Million)

Table 110. Boron-11 Trifluoride (11BF3) Raw Material

Table 111. Key Manufacturers of Boron-11 Trifluoride (11BF3) Raw Materials

Table 112. Boron-11 Trifluoride (11BF3) Typical Distributors

Table 113. Boron-11 Trifluoride (11BF3) Typical Customers

List Of Figures

LIST OF FIGURES

- Figure 1. Boron-11 Trifluoride (11BF3) Picture
- Figure 2. Global Boron-11 Trifluoride (11BF3) Consumption Value by Type, (USD Million), 2018 & 2022 & 2029
- Figure 3. Global Boron-11 Trifluoride (11BF3) Consumption Value Market Share by Type in 2022
- Figure 4. Etherate Complexes Type Examples
- Figure 5. Dimethanol Complexes Type Examples
- Figure 6. Others Examples
- Figure 7. Global Boron-11 Trifluoride (11BF3) Consumption Value by Application, (USD Million), 2018 & 2022 & 2029
- Figure 8. Global Boron-11 Trifluoride (11BF3) Consumption Value Market Share by Application in 2022
- Figure 9. Electricity Examples
- Figure 10. Coking Examples
- Figure 11. Steel Examples
- Figure 12. Paper Examples
- Figure 13. Textile Examples
- Figure 14. Chemical Examples
- Figure 15. Medical Examples
- Figure 16. Others Examples
- Figure 17. Global Boron-11 Trifluoride (11BF3) Consumption Value, (USD Million): 2018 & 2022 & 2029
- Figure 18. Global Boron-11 Trifluoride (11BF3) Consumption Value and Forecast (2018-2029) & (USD Million)
- Figure 19. Global Boron-11 Trifluoride (11BF3) Sales Quantity (2018-2029) & (Tons)
- Figure 20. Global Boron-11 Trifluoride (11BF3) Average Price (2018-2029) & (US\$/Ton)
- Figure 21. Global Boron-11 Trifluoride (11BF3) Sales Quantity Market Share by Manufacturer in 2022
- Figure 22. Global Boron-11 Trifluoride (11BF3) Consumption Value Market Share by Manufacturer in 2022
- Figure 23. Producer Shipments of Boron-11 Trifluoride (11BF3) by Manufacturer Sales Quantity (\$MM) and Market Share (%): 2021
- Figure 24. Top 3 Boron-11 Trifluoride (11BF3) Manufacturer (Consumption Value) Market Share in 2022
- Figure 25. Top 6 Boron-11 Trifluoride (11BF3) Manufacturer (Consumption Value)

Market Share in 2022

Figure 26. Global Boron-11 Trifluoride (11BF3) Sales Quantity Market Share by Region (2018-2029)

Figure 27. Global Boron-11 Trifluoride (11BF3) Consumption Value Market Share by Region (2018-2029)

Figure 28. North America Boron-11 Trifluoride (11BF3) Consumption Value (2018-2029) & (USD Million)

Figure 29. Europe Boron-11 Trifluoride (11BF3) Consumption Value (2018-2029) & (USD Million)

Figure 30. Asia-Pacific Boron-11 Trifluoride (11BF3) Consumption Value (2018-2029) & (USD Million)

Figure 31. South America Boron-11 Trifluoride (11BF3) Consumption Value (2018-2029) & (USD Million)

Figure 32. Middle East & Africa Boron-11 Trifluoride (11BF3) Consumption Value (2018-2029) & (USD Million)

Figure 33. Global Boron-11 Trifluoride (11BF3) Sales Quantity Market Share by Type (2018-2029)

Figure 34. Global Boron-11 Trifluoride (11BF3) Consumption Value Market Share by Type (2018-2029)

Figure 35. Global Boron-11 Trifluoride (11BF3) Average Price by Type (2018-2029) & (US\$/Ton)

Figure 36. Global Boron-11 Trifluoride (11BF3) Sales Quantity Market Share by Application (2018-2029)

Figure 37. Global Boron-11 Trifluoride (11BF3) Consumption Value Market Share by Application (2018-2029)

Figure 38. Global Boron-11 Trifluoride (11BF3) Average Price by Application (2018-2029) & (US\$/Ton)

Figure 39. North America Boron-11 Trifluoride (11BF3) Sales Quantity Market Share by Type (2018-2029)

Figure 40. North America Boron-11 Trifluoride (11BF3) Sales Quantity Market Share by Application (2018-2029)

Figure 41. North America Boron-11 Trifluoride (11BF3) Sales Quantity Market Share by Country (2018-2029)

Figure 42. North America Boron-11 Trifluoride (11BF3) Consumption Value Market Share by Country (2018-2029)

Figure 43. United States Boron-11 Trifluoride (11BF3) Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 44. Canada Boron-11 Trifluoride (11BF3) Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 45. Mexico Boron-11 Trifluoride (11BF3) Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 46. Europe Boron-11 Trifluoride (11BF3) Sales Quantity Market Share by Type (2018-2029)

Figure 47. Europe Boron-11 Trifluoride (11BF3) Sales Quantity Market Share by Application (2018-2029)

Figure 48. Europe Boron-11 Trifluoride (11BF3) Sales Quantity Market Share by Country (2018-2029)

Figure 49. Europe Boron-11 Trifluoride (11BF3) Consumption Value Market Share by Country (2018-2029)

Figure 50. Germany Boron-11 Trifluoride (11BF3) Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 51. France Boron-11 Trifluoride (11BF3) Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 52. United Kingdom Boron-11 Trifluoride (11BF3) Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 53. Russia Boron-11 Trifluoride (11BF3) Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 54. Italy Boron-11 Trifluoride (11BF3) Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 55. Asia-Pacific Boron-11 Trifluoride (11BF3) Sales Quantity Market Share by Type (2018-2029)

Figure 56. Asia-Pacific Boron-11 Trifluoride (11BF3) Sales Quantity Market Share by Application (2018-2029)

Figure 57. Asia-Pacific Boron-11 Trifluoride (11BF3) Sales Quantity Market Share by Region (2018-2029)

Figure 58. Asia-Pacific Boron-11 Trifluoride (11BF3) Consumption Value Market Share by Region (2018-2029)

Figure 59. China Boron-11 Trifluoride (11BF3) Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 60. Japan Boron-11 Trifluoride (11BF3) Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 61. Korea Boron-11 Trifluoride (11BF3) Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 62. India Boron-11 Trifluoride (11BF3) Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 63. Southeast Asia Boron-11 Trifluoride (11BF3) Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 64. Australia Boron-11 Trifluoride (11BF3) Consumption Value and Growth Rate

(2018-2029) & (USD Million)

Figure 65. South America Boron-11 Trifluoride (11BF3) Sales Quantity Market Share by Type (2018-2029)

Figure 66. South America Boron-11 Trifluoride (11BF3) Sales Quantity Market Share by Application (2018-2029)

Figure 67. South America Boron-11 Trifluoride (11BF3) Sales Quantity Market Share by Country (2018-2029)

Figure 68. South America Boron-11 Trifluoride (11BF3) Consumption Value Market Share by Country (2018-2029)

Figure 69. Brazil Boron-11 Trifluoride (11BF3) Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 70. Argentina Boron-11 Trifluoride (11BF3) Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 71. Middle East & Africa Boron-11 Trifluoride (11BF3) Sales Quantity Market Share by Type (2018-2029)

Figure 72. Middle East & Africa Boron-11 Trifluoride (11BF3) Sales Quantity Market Share by Application (2018-2029)

Figure 73. Middle East & Africa Boron-11 Trifluoride (11BF3) Sales Quantity Market Share by Region (2018-2029)

Figure 74. Middle East & Africa Boron-11 Trifluoride (11BF3) Consumption Value Market Share by Region (2018-2029)

Figure 75. Turkey Boron-11 Trifluoride (11BF3) Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 76. Egypt Boron-11 Trifluoride (11BF3) Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 77. Saudi Arabia Boron-11 Trifluoride (11BF3) Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 78. South Africa Boron-11 Trifluoride (11BF3) Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 79. Boron-11 Trifluoride (11BF3) Market Drivers

Figure 80. Boron-11 Trifluoride (11BF3) Market Restraints

Figure 81. Boron-11 Trifluoride (11BF3) Market Trends

Figure 82. Porters Five Forces Analysis

Figure 83. Manufacturing Cost Structure Analysis of Boron-11 Trifluoride (11BF3) in 2022

Figure 84. Manufacturing Process Analysis of Boron-11 Trifluoride (11BF3)

Figure 85. Boron-11 Trifluoride (11BF3) Industrial Chain

Figure 86. Sales Quantity Channel: Direct to End-User vs Distributors

Figure 87. Direct Channel Pros & Cons

Figure 88. Indirect Channel Pros & Cons

Figure 89. Methodology

Figure 90. Research Process and Data Source

I would like to order

Product name: Global Boron-11 Trifluoride (11BF3) Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

Product link: <https://marketpublishers.com/r/GE7528CBE6B2EN.html>

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

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GE7528CBE6B2EN.html>

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

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

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

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

