

# Global Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

<https://marketpublishers.com/r/G1BC7B66A9AAEN.html>

Date: February 2023

Pages: 91

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

ID: G1BC7B66A9AAEN

## Abstracts

Battery grade manganese tetraoxide is specifically used as a precursor material for high-end lithium manganate in lithium-ion battery materials. It has the advantages of low impurity content, spherical shape, small specific surface area and uniform doping. The high-end lithium manganate manufactured from it has high gram capacity, good cycling and storage performance and superior high temperature performance, which can meet the requirements of various types of communication, power and energy storage lithium-ion batteries. Trimanganese tetraoxide will replace electrolytic manganese dioxide as the manganese source for lithium manganate materials and will be increasingly used in new energy applications as the technology for lithium manganate and lithium manganate batteries continues to develop. Battery grade manganese tetroxide will see a large increase in demand in the near future.

According to our (Global Info Research) latest study, the global Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) 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.

This report is a detailed and comprehensive analysis for global Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) 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 Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2018-2029

Global Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2018-2029

Global Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) 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 Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) 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 Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>)

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 Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) 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 Prince (ERACHEM Comilog), Guizhou Dalong Huicheng New Material, Changsha Research Institute of Mining & Metallurgy, Sinosteel NMC and Hunan Mengda New Energy Materials, 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

Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) 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

Below 70%

Above 70%

### Market segment by Application

Power Battery

Energy Storage Battery

Consumer Electronics Battery

### Major players covered

Prince (ERACHEM Comilog)

Guizhou Dalong Huicheng New Material

Changsha Research Institute of Mining & Metallurgy

Sinosteel NMC

Hunan Mengda New Energy Materials

Guangxi Menghua

Jinbaoky

## Xiangtan Electrochemical

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 Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>), with price, sales, revenue and global market share of Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) from 2018 to 2023.

Chapter 3, the Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) 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 Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) 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 Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>).

Chapter 14 and 15, to describe Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) sales channel, distributors, customers, research findings and conclusion.

## Contents

### 1 MARKET OVERVIEW

- 1.1 Product Overview and Scope of Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>)
- 1.2 Market Estimation Caveats and Base Year
- 1.3 Market Analysis by Type
  - 1.3.1 Overview: Global Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Consumption Value by Type: 2018 Versus 2022 Versus 2029
  - 1.3.2 Below 70%
  - 1.3.3 Above 70%
- 1.4 Market Analysis by Application
  - 1.4.1 Overview: Global Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Consumption Value by Application: 2018 Versus 2022 Versus 2029
  - 1.4.2 Power Battery
  - 1.4.3 Energy Storage Battery
  - 1.4.4 Consumer Electronics Battery
- 1.5 Global Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Market Size & Forecast
  - 1.5.1 Global Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Consumption Value (2018 & 2022 & 2029)
  - 1.5.2 Global Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity (2018-2029)
  - 1.5.3 Global Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Average Price (2018-2029)

### 2 MANUFACTURERS PROFILES

- 2.1 Prince (ERACHEM Comilog)
  - 2.1.1 Prince (ERACHEM Comilog) Details
  - 2.1.2 Prince (ERACHEM Comilog) Major Business
  - 2.1.3 Prince (ERACHEM Comilog) Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Product and Services
  - 2.1.4 Prince (ERACHEM Comilog) Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
  - 2.1.5 Prince (ERACHEM Comilog) Recent Developments/Updates
- 2.2 Guizhou Dalong Huicheng New Material
  - 2.2.1 Guizhou Dalong Huicheng New Material Details
  - 2.2.2 Guizhou Dalong Huicheng New Material Major Business
  - 2.2.3 Guizhou Dalong Huicheng New Material Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Product and Services

2.2.4 Guizhou Dalong Huicheng New Material Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.2.5 Guizhou Dalong Huicheng New Material Recent Developments/Updates

2.3 Changsha Research Institute of Mining & Metallurgy

2.3.1 Changsha Research Institute of Mining & Metallurgy Details

2.3.2 Changsha Research Institute of Mining & Metallurgy Major Business

2.3.3 Changsha Research Institute of Mining & Metallurgy Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Product and Services

2.3.4 Changsha Research Institute of Mining & Metallurgy Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.3.5 Changsha Research Institute of Mining & Metallurgy Recent Developments/Updates

2.4 Sinosteel NMC

2.4.1 Sinosteel NMC Details

2.4.2 Sinosteel NMC Major Business

2.4.3 Sinosteel NMC Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Product and Services

2.4.4 Sinosteel NMC Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.4.5 Sinosteel NMC Recent Developments/Updates

2.5 Hunan Mengda New Energy Materials

2.5.1 Hunan Mengda New Energy Materials Details

2.5.2 Hunan Mengda New Energy Materials Major Business

2.5.3 Hunan Mengda New Energy Materials Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Product and Services

2.5.4 Hunan Mengda New Energy Materials Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.5.5 Hunan Mengda New Energy Materials Recent Developments/Updates

2.6 Guangxi Menghua

2.6.1 Guangxi Menghua Details

2.6.2 Guangxi Menghua Major Business

2.6.3 Guangxi Menghua Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Product and Services

2.6.4 Guangxi Menghua Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.6.5 Guangxi Menghua Recent Developments/Updates



## 2.7 Jinbaoky

### 2.7.1 Jinbaoky Details

### 2.7.2 Jinbaoky Major Business

### 2.7.3 Jinbaoky Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Product and Services

### 2.7.4 Jinbaoky Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

### 2.7.5 Jinbaoky Recent Developments/Updates

## 2.8 Xiangtan Electrochemical

### 2.8.1 Xiangtan Electrochemical Details

### 2.8.2 Xiangtan Electrochemical Major Business

### 2.8.3 Xiangtan Electrochemical Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Product and Services

### 2.8.4 Xiangtan Electrochemical Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

### 2.8.5 Xiangtan Electrochemical Recent Developments/Updates

## **3 COMPETITIVE ENVIRONMENT: BATTERY GRADE MANGANESE TETROXIDE (MN<sub>3</sub>O<sub>4</sub>) BY MANUFACTURER**

### 3.1 Global Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity by Manufacturer (2018-2023)

### 3.2 Global Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Revenue by Manufacturer (2018-2023)

### 3.3 Global Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Average Price by Manufacturer (2018-2023)

### 3.4 Market Share Analysis (2022)

#### 3.4.1 Producer Shipments of Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) by Manufacturer Revenue (\$MM) and Market Share (%): 2022

#### 3.4.2 Top 3 Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Manufacturer Market Share in 2022

#### 3.4.2 Top 6 Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Manufacturer Market Share in 2022

### 3.5 Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Market: Overall Company Footprint Analysis

#### 3.5.1 Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Market: Region Footprint

#### 3.5.2 Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Market: Company Product Type Footprint

#### 3.5.3 Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) 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 Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Market Size by Region
  - 4.1.1 Global Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity by Region (2018-2029)
  - 4.1.2 Global Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Consumption Value by Region (2018-2029)
  - 4.1.3 Global Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Average Price by Region (2018-2029)
- 4.2 North America Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Consumption Value (2018-2029)
- 4.3 Europe Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Consumption Value (2018-2029)
- 4.4 Asia-Pacific Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Consumption Value (2018-2029)
- 4.5 South America Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Consumption Value (2018-2029)
- 4.6 Middle East and Africa Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Consumption Value (2018-2029)

## **5 MARKET SEGMENT BY TYPE**

- 5.1 Global Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity by Type (2018-2029)
- 5.2 Global Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Consumption Value by Type (2018-2029)
- 5.3 Global Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Average Price by Type (2018-2029)

## **6 MARKET SEGMENT BY APPLICATION**

- 6.1 Global Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity by Application (2018-2029)
- 6.2 Global Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Consumption Value by Application (2018-2029)
- 6.3 Global Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Average Price by Application

(2018-2029)

## **7 NORTH AMERICA**

7.1 North America Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity by Type (2018-2029)

7.2 North America Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity by Application (2018-2029)

7.3 North America Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Market Size by Country

7.3.1 North America Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity by Country (2018-2029)

7.3.2 North America Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) 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 Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity by Type (2018-2029)

8.2 Europe Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity by Application (2018-2029)

8.3 Europe Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Market Size by Country

8.3.1 Europe Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity by Country (2018-2029)

8.3.2 Europe Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) 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 Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity by Type (2018-2029)

9.2 Asia-Pacific Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity by Application (2018-2029)

9.3 Asia-Pacific Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Market Size by Region

9.3.1 Asia-Pacific Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity by Region (2018-2029)

9.3.2 Asia-Pacific Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) 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 Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity by Type (2018-2029)

10.2 South America Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity by Application (2018-2029)

10.3 South America Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Market Size by Country

10.3.1 South America Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity by Country (2018-2029)

10.3.2 South America Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) 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 Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity by Type (2018-2029)

11.2 Middle East & Africa Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity by Application (2018-2029)

11.3 Middle East & Africa Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Market Size by Country

11.3.1 Middle East & Africa Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity by Country (2018-2029)

- 11.3.2 Middle East & Africa Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) 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 Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Market Drivers
- 12.2 Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Market Restraints
- 12.3 Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) 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 Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) and Key Manufacturers
- 13.2 Manufacturing Costs Percentage of Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>)
- 13.3 Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Production Process
- 13.4 Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Industrial Chain

## **14 SHIPMENTS BY DISTRIBUTION CHANNEL**

- 14.1 Sales Channel
  - 14.1.1 Direct to End-User
  - 14.1.2 Distributors
- 14.2 Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Typical Distributors
- 14.3 Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) 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 Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Consumption Value by Type, (USD Million), 2018 & 2022 & 2029

Table 2. Global Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Consumption Value by Application, (USD Million), 2018 & 2022 & 2029

Table 3. Prince (ERACHEM Comilog) Basic Information, Manufacturing Base and Competitors

Table 4. Prince (ERACHEM Comilog) Major Business

Table 5. Prince (ERACHEM Comilog) Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Product and Services

Table 6. Prince (ERACHEM Comilog) Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 7. Prince (ERACHEM Comilog) Recent Developments/Updates

Table 8. Guizhou Dalong Huicheng New Material Basic Information, Manufacturing Base and Competitors

Table 9. Guizhou Dalong Huicheng New Material Major Business

Table 10. Guizhou Dalong Huicheng New Material Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Product and Services

Table 11. Guizhou Dalong Huicheng New Material Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 12. Guizhou Dalong Huicheng New Material Recent Developments/Updates

Table 13. Changsha Research Institute of Mining & Metallurgy Basic Information, Manufacturing Base and Competitors

Table 14. Changsha Research Institute of Mining & Metallurgy Major Business

Table 15. Changsha Research Institute of Mining & Metallurgy Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Product and Services

Table 16. Changsha Research Institute of Mining & Metallurgy Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 17. Changsha Research Institute of Mining & Metallurgy Recent Developments/Updates

Table 18. Sinosteel NMC Basic Information, Manufacturing Base and Competitors

Table 19. Sinosteel NMC Major Business

Table 20. Sinosteel NMC Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Product and



## Services

Table 21. Sinosteel NMC Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 22. Sinosteel NMC Recent Developments/Updates

Table 23. Hunan Mengda New Energy Materials Basic Information, Manufacturing Base and Competitors

Table 24. Hunan Mengda New Energy Materials Major Business

Table 25. Hunan Mengda New Energy Materials Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Product and Services

Table 26. Hunan Mengda New Energy Materials Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 27. Hunan Mengda New Energy Materials Recent Developments/Updates

Table 28. Guangxi Menghua Basic Information, Manufacturing Base and Competitors

Table 29. Guangxi Menghua Major Business

Table 30. Guangxi Menghua Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Product and Services

Table 31. Guangxi Menghua Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 32. Guangxi Menghua Recent Developments/Updates

Table 33. Jinbaoky Basic Information, Manufacturing Base and Competitors

Table 34. Jinbaoky Major Business

Table 35. Jinbaoky Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Product and Services

Table 36. Jinbaoky Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 37. Jinbaoky Recent Developments/Updates

Table 38. Xiangtan Electrochemical Basic Information, Manufacturing Base and Competitors

Table 39. Xiangtan Electrochemical Major Business

Table 40. Xiangtan Electrochemical Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Product and Services

Table 41. Xiangtan Electrochemical Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 42. Xiangtan Electrochemical Recent Developments/Updates

Table 43. Global Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity by



Manufacturer (2018-2023) & (Tons)

Table 44. Global Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Revenue by Manufacturer (2018-2023) & (USD Million)

Table 45. Global Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Average Price by Manufacturer (2018-2023) & (US\$/Ton)

Table 46. Market Position of Manufacturers in Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>), (Tier 1, Tier 2, and Tier 3), Based on Consumption Value in 2022

Table 47. Head Office and Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Production Site of Key Manufacturer

Table 48. Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Market: Company Product Type Footprint

Table 49. Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Market: Company Product Application Footprint

Table 50. Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) New Market Entrants and Barriers to Market Entry

Table 51. Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Mergers, Acquisition, Agreements, and Collaborations

Table 52. Global Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity by Region (2018-2023) & (Tons)

Table 53. Global Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity by Region (2024-2029) & (Tons)

Table 54. Global Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Consumption Value by Region (2018-2023) & (USD Million)

Table 55. Global Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Consumption Value by Region (2024-2029) & (USD Million)

Table 56. Global Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Average Price by Region (2018-2023) & (US\$/Ton)

Table 57. Global Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Average Price by Region (2024-2029) & (US\$/Ton)

Table 58. Global Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity by Type (2018-2023) & (Tons)

Table 59. Global Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity by Type (2024-2029) & (Tons)

Table 60. Global Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Consumption Value by Type (2018-2023) & (USD Million)

Table 61. Global Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Consumption Value by Type (2024-2029) & (USD Million)

Table 62. Global Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Average Price by Type (2018-2023) & (US\$/Ton)

Table 63. Global Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Average Price by Type (2024-2029) & (US\$/Ton)

Table 64. Global Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity by Application (2018-2023) & (Tons)

Table 65. Global Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity by Application (2024-2029) & (Tons)

Table 66. Global Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Consumption Value by Application (2018-2023) & (USD Million)

Table 67. Global Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Consumption Value by Application (2024-2029) & (USD Million)

Table 68. Global Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Average Price by Application (2018-2023) & (US\$/Ton)

Table 69. Global Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Average Price by Application (2024-2029) & (US\$/Ton)

Table 70. North America Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity by Type (2018-2023) & (Tons)

Table 71. North America Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity by Type (2024-2029) & (Tons)

Table 72. North America Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity by Application (2018-2023) & (Tons)

Table 73. North America Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity by Application (2024-2029) & (Tons)

Table 74. North America Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity by Country (2018-2023) & (Tons)

Table 75. North America Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity by Country (2024-2029) & (Tons)

Table 76. North America Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Consumption Value by Country (2018-2023) & (USD Million)

Table 77. North America Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Consumption Value by Country (2024-2029) & (USD Million)

Table 78. Europe Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity by Type (2018-2023) & (Tons)

Table 79. Europe Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity by Type (2024-2029) & (Tons)

Table 80. Europe Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity by Application (2018-2023) & (Tons)

Table 81. Europe Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity by Application (2024-2029) & (Tons)

Table 82. Europe Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity by

Country (2018-2023) & (Tons)

Table 83. Europe Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity by Country (2024-2029) & (Tons)

Table 84. Europe Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Consumption Value by Country (2018-2023) & (USD Million)

Table 85. Europe Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Consumption Value by Country (2024-2029) & (USD Million)

Table 86. Asia-Pacific Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity by Type (2018-2023) & (Tons)

Table 87. Asia-Pacific Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity by Type (2024-2029) & (Tons)

Table 88. Asia-Pacific Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity by Application (2018-2023) & (Tons)

Table 89. Asia-Pacific Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity by Application (2024-2029) & (Tons)

Table 90. Asia-Pacific Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity by Region (2018-2023) & (Tons)

Table 91. Asia-Pacific Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity by Region (2024-2029) & (Tons)

Table 92. Asia-Pacific Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Consumption Value by Region (2018-2023) & (USD Million)

Table 93. Asia-Pacific Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Consumption Value by Region (2024-2029) & (USD Million)

Table 94. South America Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity by Type (2018-2023) & (Tons)

Table 95. South America Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity by Type (2024-2029) & (Tons)

Table 96. South America Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity by Application (2018-2023) & (Tons)

Table 97. South America Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity by Application (2024-2029) & (Tons)

Table 98. South America Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity by Country (2018-2023) & (Tons)

Table 99. South America Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity by Country (2024-2029) & (Tons)

Table 100. South America Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Consumption Value by Country (2018-2023) & (USD Million)

Table 101. South America Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Consumption Value by Country (2024-2029) & (USD Million)

Table 102. Middle East & Africa Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity by Type (2018-2023) & (Tons)

Table 103. Middle East & Africa Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity by Type (2024-2029) & (Tons)

Table 104. Middle East & Africa Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity by Application (2018-2023) & (Tons)

Table 105. Middle East & Africa Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity by Application (2024-2029) & (Tons)

Table 106. Middle East & Africa Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity by Region (2018-2023) & (Tons)

Table 107. Middle East & Africa Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity by Region (2024-2029) & (Tons)

Table 108. Middle East & Africa Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Consumption Value by Region (2018-2023) & (USD Million)

Table 109. Middle East & Africa Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Consumption Value by Region (2024-2029) & (USD Million)

Table 110. Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Raw Material

Table 111. Key Manufacturers of Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Raw Materials

Table 112. Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Typical Distributors

Table 113. Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Typical Customers

## List Of Figures

### LIST OF FIGURES

- Figure 1. Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Picture
- Figure 2. Global Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Consumption Value by Type, (USD Million), 2018 & 2022 & 2029
- Figure 3. Global Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Consumption Value Market Share by Type in 2022
- Figure 4. Below 70% Examples
- Figure 5. Above 70% Examples
- Figure 6. Global Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Consumption Value by Application, (USD Million), 2018 & 2022 & 2029
- Figure 7. Global Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Consumption Value Market Share by Application in 2022
- Figure 8. Power Battery Examples
- Figure 9. Energy Storage Battery Examples
- Figure 10. Consumer Electronics Battery Examples
- Figure 11. Global Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Consumption Value, (USD Million): 2018 & 2022 & 2029
- Figure 12. Global Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Consumption Value and Forecast (2018-2029) & (USD Million)
- Figure 13. Global Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity (2018-2029) & (Tons)
- Figure 14. Global Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Average Price (2018-2029) & (US\$/Ton)
- Figure 15. Global Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity Market Share by Manufacturer in 2022
- Figure 16. Global Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Consumption Value Market Share by Manufacturer in 2022
- Figure 17. Producer Shipments of Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) by Manufacturer Sales Quantity (\$MM) and Market Share (%): 2021
- Figure 18. Top 3 Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Manufacturer (Consumption Value) Market Share in 2022
- Figure 19. Top 6 Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Manufacturer (Consumption Value) Market Share in 2022
- Figure 20. Global Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity Market Share by Region (2018-2029)
- Figure 21. Global Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Consumption Value



Market Share by Region (2018-2029)

Figure 22. North America Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Consumption Value (2018-2029) & (USD Million)

Figure 23. Europe Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Consumption Value (2018-2029) & (USD Million)

Figure 24. Asia-Pacific Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Consumption Value (2018-2029) & (USD Million)

Figure 25. South America Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Consumption Value (2018-2029) & (USD Million)

Figure 26. Middle East & Africa Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Consumption Value (2018-2029) & (USD Million)

Figure 27. Global Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity Market Share by Type (2018-2029)

Figure 28. Global Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Consumption Value Market Share by Type (2018-2029)

Figure 29. Global Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Average Price by Type (2018-2029) & (US\$/Ton)

Figure 30. Global Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity Market Share by Application (2018-2029)

Figure 31. Global Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Consumption Value Market Share by Application (2018-2029)

Figure 32. Global Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Average Price by Application (2018-2029) & (US\$/Ton)

Figure 33. North America Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity Market Share by Type (2018-2029)

Figure 34. North America Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity Market Share by Application (2018-2029)

Figure 35. North America Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity Market Share by Country (2018-2029)

Figure 36. North America Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Consumption Value Market Share by Country (2018-2029)

Figure 37. United States Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 38. Canada Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 39. Mexico Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 40. Europe Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity Market Share by Type (2018-2029)

Figure 41. Europe Battery Grade Manganese Tetroxide (Mn3O4) Sales Quantity Market Share by Application (2018-2029)

Figure 42. Europe Battery Grade Manganese Tetroxide (Mn3O4) Sales Quantity Market Share by Country (2018-2029)

Figure 43. Europe Battery Grade Manganese Tetroxide (Mn3O4) Consumption Value Market Share by Country (2018-2029)

Figure 44. Germany Battery Grade Manganese Tetroxide (Mn3O4) Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 45. France Battery Grade Manganese Tetroxide (Mn3O4) Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 46. United Kingdom Battery Grade Manganese Tetroxide (Mn3O4) Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 47. Russia Battery Grade Manganese Tetroxide (Mn3O4) Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 48. Italy Battery Grade Manganese Tetroxide (Mn3O4) Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 49. Asia-Pacific Battery Grade Manganese Tetroxide (Mn3O4) Sales Quantity Market Share by Type (2018-2029)

Figure 50. Asia-Pacific Battery Grade Manganese Tetroxide (Mn3O4) Sales Quantity Market Share by Application (2018-2029)

Figure 51. Asia-Pacific Battery Grade Manganese Tetroxide (Mn3O4) Sales Quantity Market Share by Region (2018-2029)

Figure 52. Asia-Pacific Battery Grade Manganese Tetroxide (Mn3O4) Consumption Value Market Share by Region (2018-2029)

Figure 53. China Battery Grade Manganese Tetroxide (Mn3O4) Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 54. Japan Battery Grade Manganese Tetroxide (Mn3O4) Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 55. Korea Battery Grade Manganese Tetroxide (Mn3O4) Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 56. India Battery Grade Manganese Tetroxide (Mn3O4) Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 57. Southeast Asia Battery Grade Manganese Tetroxide (Mn3O4) Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 58. Australia Battery Grade Manganese Tetroxide (Mn3O4) Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 59. South America Battery Grade Manganese Tetroxide (Mn3O4) Sales Quantity Market Share by Type (2018-2029)

Figure 60. South America Battery Grade Manganese Tetroxide (Mn3O4) Sales Quantity



Market Share by Application (2018-2029)

Figure 61. South America Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity Market Share by Country (2018-2029)

Figure 62. South America Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Consumption Value Market Share by Country (2018-2029)

Figure 63. Brazil Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 64. Argentina Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 65. Middle East & Africa Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity Market Share by Type (2018-2029)

Figure 66. Middle East & Africa Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity Market Share by Application (2018-2029)

Figure 67. Middle East & Africa Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Sales Quantity Market Share by Region (2018-2029)

Figure 68. Middle East & Africa Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Consumption Value Market Share by Region (2018-2029)

Figure 69. Turkey Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 70. Egypt Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 71. Saudi Arabia Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 72. South Africa Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 73. Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Market Drivers

Figure 74. Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Market Restraints

Figure 75. Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Market Trends

Figure 76. Porters Five Forces Analysis

Figure 77. Manufacturing Cost Structure Analysis of Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) in 2022

Figure 78. Manufacturing Process Analysis of Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>)

Figure 79. Battery Grade Manganese Tetroxide (Mn<sub>3</sub>O<sub>4</sub>) Industrial Chain

Figure 80. Sales Quantity Channel: Direct to End-User vs Distributors

Figure 81. Direct Channel Pros & Cons

Figure 82. Indirect Channel Pros & Cons

Figure 83. Methodology

Figure 84. Research Process and Data Source

## I would like to order

Product name: Global Battery Grade Manganese Tetroxide (Mn3O4) Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

Product link: <https://marketpublishers.com/r/G1BC7B66A9AAEN.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](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G1BC7B66A9AAEN.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

