

# **Electrolytic Manganese Dioxide Market Size, Share & Trends Analysis Report By Application [Battery (Lithium-ion, Alkaline, Zinc-Carbon), Water Treatment], By Region, And Segment Forecasts, 2019 - 2025**

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## **Abstracts**

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The global electrolytic manganese dioxide market size is expected to reach USD 2.01 Billion by 2025, according to a new report by Grand View Research, Inc. It is anticipated to expand at a CAGR of 7.0% during the forecast period. Technological breakthroughs in the industry coupled with the utilization of proficient batteries with long lifespans and high energy levels are predicted to play a pivotal role in driving the growth of the EMD market.

North America has been dominating the EMD market owing to a surge in production. In Central and South America, Colombia is anticipated to foresee steady progress in its EMD battery industry owing to the wide-ranging R&D activities in battery production.

To cater to the surging demand for electrolytic manganese dioxide in various sectors, companies have started enlarging their businesses through numerous strategies. In 2016, Xiangtan Electrochemical Scientific Ltd. captured a market share of 12.2% and was the first company to initiate domestic EMD production to substitute battery-grade EMD.

The electrolytic manganese dioxide market witnessed a new progressive trend known as Hydrometallurgic Process, which is an alternative route to extract manganese from low-grade manganese oxide ores. It has the ability to convert manganese oxides into

pure and high-quality EMD and is further used in the production of lithium-ion and alkaline battery. This development is anticipated to surge the acceptance and demand for EMD in the forthcoming years.

Further key findings from the report suggest:

In terms of application, batteries segment led the market with a share of 91.3% in 2018. The segment is expected to retain its pole position over the forecast period owing to increasing production of electric vehicles across the globe

The regulatory guidelines aim to decrease the usage of harmful substances, which will further surge the costs of manganese mining, production rates, and profit for the manufacturers

North America is expected to retain its position as the largest market for EMD over the forecast period with countries such as U.S. and Canada favoring regional market growth. However, the region is likely to lose share to Asia Pacific in the foreseeable future owing to significant production of electric vehicles in countries such as China and Japan

The relative cost of numerous EMD grades production used for electrochemical batteries show the cost comparison for grades, providing a strong motivation to develop the alkaline based MnO<sub>2</sub> production plant

## Contents

### CHAPTER 1 METHODOLOGY AND SCOPE

- 1.1 Information Procurement
  - 1.1.1 Purchased Database
  - 1.1.2 GVR's Internal Database
  - 1.1.3 Secondary Sources
  - 1.1.4 Third Party Perspective
  - 1.1.5 Primary Research
- 1.2 Information Analysis & Data Analysis Models
- 1.3 List to Data Sources

### CHAPTER 2 EXECUTIVE SUMMARY

- 2.1 Market Insights
- 2.2 Segmental Insights
- 2.3 Competitive Insights

### CHAPTER 3 MARKET VARIABLES, TRENDS & SCOPE

- 3.1 Market Lineage Outlook
  - 3.1.1 Parent Market Outlook
  - 3.1.2 Related Market Outlook
- 3.2 Penetration & Growth Prospect Mapping
- 3.3 Value Chain Analysis
  - 3.3.1 Raw Material Trends
    - 3.3.1.1 Major Raw Material Analysis
    - 3.3.1.2 Procurement Best Practices
  - 3.3.2 Manufacturing trends
    - 3.3.2.1 Technology Trends
    - 3.3.2.2 Outsourcing and contract manufacturing trends
  - 3.3.3 cost structure and profit margin analysis
    - 3.3.3.1 Average Selling Price Analysis
    - 3.3.3.2 Profit margin and cost analysis
  - 3.3.4 sales channel analysis
  - 3.3.5 Vendor selection criteria
- 3.4 Technology Overview
  - 3.4.1 Technology timeline

### 3.5 Regulatory Framework

### 3.6 Market Dynamics

#### 3.6.1 Market Driver Analysis

##### 3.6.1.1 Rising battery demand

##### 3.6.1.2 Rising electric vehicles (EV) demand

#### 3.6.2 Market restraint Analysis

##### 3.6.2.1 Overdependence on Chinese imports

##### 3.6.2.2 Threat of substitution by other metals

#### 3.6.3 Industry challenges

### 3.7 Business Environment Analysis

#### 3.7.1 Porter's Analysis

##### 3.7.1.1 Threat of new entrants

##### 3.7.1.2 Bargaining power of suppliers

##### 3.7.1.3 Bargaining power of buyers

##### 3.7.1.4 Threat of substitutes

##### 3.7.1.5 Competitive rivalry

#### 3.7.2 PESTLE Analysis

##### 3.7.2.1 Political Landscape

##### 3.7.2.2 Environmental Landscape

##### 3.7.2.3 Social Landscape

##### 3.7.2.4 Technology Landscape

##### 3.7.2.5 Economic Landscape

##### 3.7.2.6 Legal Landscape

#### 3.7.3 Major Deals & Strategic Alliances Analysis

##### 3.7.3.1 Mergers & Acquisitions

##### 3.7.3.2 Licensing & partnership

### 3.8 Market Entry Strategy

## **CHAPTER 4 ELECTROLYTIC MANGANESE DIOXIDE (EMD) MARKET: APPLICATION ESTIMATES & TREND ANALYSIS**

### 4.1 Definitions & Scope

### 4.2 Market: Application Movement Analysis, 2018 & 2025

### 4.3 Batteries

#### 4.3.1 Market estimates & forecasts, in batteries, 2014 - 2025 (Tons) (USD Thousand)

##### 4.3.1.1 Market estimates & forecasts, in alkaline batteries, 2014 - 2025 (Tons) (USD Thousand)

##### 4.3.1.2 Market estimates & forecasts, in zinc-carbon batteries, 2014 - 2025 (Tons) (USD Thousand)

4.3.1.3 Market estimates & forecasts, in li-ion batteries, 2014 - 2025 (Tons) (USD Thousand)

#### 4.4 Water Treatment

4.4.1 Market estimates & forecasts, in water treatment, 2014 - 2025 (Tons) (USD Thousand)

#### 4.5 Others

4.5.1 Market estimates & forecasts, in other applications, 2014 - 2025 (Tons) (USD Thousand)

### **CHAPTER 5 ELECTROLYTIC MANGANESE DIOXIDE (EMD) MARKET: REGIONAL ESTIMATES & TREND ANALYSIS**

#### 5.1 Definition & Scope

#### 5.2 Market: Regional Movement Analysis, 2018 & 2025

#### 5.3 North America

5.3.1 Market estimates & forecasts, 2014 - 2025 (Tons) (USD Thousand)

5.3.2 Market estimates & forecasts, by application, 2014 - 2025 (Tons) (USD Thousand)

5.3.2.1 Market estimates & forecasts, 2014 - 2025 (Tons) (USD Thousand)

##### 5.3.3 U.S.

5.3.3.1 Market estimates & forecasts, 2014 - 2025 (Tons) (USD Thousand)

5.3.3.2 Market estimates & forecasts, by application, 2014 - 2025 (Tons) (USD Thousand)

5.3.3.2.1 Market estimates & forecasts, by application, 2014 - 2025 (Tons) (USD Thousand)

##### 5.3.4 Mexico

5.3.4.1 Market estimates & forecasts, 2014 - 2025 (Tons) (USD Thousand)

5.3.4.2 Market estimates & forecasts, by application, 2014 - 2025 (Tons) (USD Thousand)

5.3.4.2.1 Market estimates & forecasts, by application, 2014 - 2025 (Tons) (USD Thousand)

##### 5.3.5 Canada

5.3.5.1 Market estimates & forecasts, 2014 - 2025 (Tons) (USD Thousand)

5.3.5.2 Market estimates & forecasts, by application, 2014 - 2025 (Tons) (USD Thousand)

5.3.5.2.1 Market estimates & forecasts, by application, 2014 - 2025 (Tons) (USD Thousand)

#### 5.4 Europe

5.4.1 Market estimates & forecasts, 2014 - 2025 (Tons) (USD Thousand)

#### 5.4.2 Market estimates & forecasts, by application, 2014 - 2025 (Tons) (USD Thousand)

##### 5.4.2.1 Market estimates & forecasts, 2014 - 2025 (Tons) (USD Thousand)

#### 5.4.3 Germany

##### 5.4.3.1 Market estimates & forecasts, 2014 - 2025 (Tons) (USD Thousand)

#### 5.4.3.2 Market estimates & forecasts, by application, 2014 - 2025 (Tons) (USD Thousand)

##### 5.4.3.2.1 Market estimates & forecasts, by application, 2014 - 2025 (Tons) (USD Thousand)

#### 5.4.4 U.K.

##### 5.4.4.1 Market estimates & forecasts, 2014 - 2025 (Tons) (USD Thousand)

#### 5.4.4.2 Market estimates & forecasts, by application, 2014 - 2025 (Tons) (USD Thousand)

##### 5.4.4.2.1 Market estimates & forecasts, by application, 2014 - 2025 (Tons) (USD Thousand)

#### 5.4.5 Russia

##### 5.4.5.1 Market estimates & forecasts, 2014 - 2025 (Tons) (USD Thousand)

#### 5.4.5.2 Market estimates & forecasts, by application, 2014 - 2025 (Tons) (USD Thousand)

##### 5.4.5.2.1 Market estimates & forecasts, by application, 2014 - 2025 (Tons) (USD Thousand)

#### 5.4.6 Poland

##### 5.4.6.1 Market estimates & forecasts, 2014 - 2025 (Tons) (USD Thousand)

#### 5.4.6.2 Market estimates & forecasts, by application, 2014 - 2025 (Tons) (USD Thousand)

##### 5.4.6.2.1 Market estimates & forecasts, by application, 2014 - 2025 (Tons) (USD Thousand)

#### 5.5 Asia Pacific

##### 5.5.1 Market estimates & forecasts, 2014 - 2025 (Tons) (USD Thousand)

#### 5.5.2 Market estimates & forecasts, by application, 2014 - 2025 (Tons) (USD Thousand)

##### 5.5.2.1 Market estimates & forecasts, 2014 - 2025 (Tons) (USD Thousand)

#### 5.5.3 China

##### 5.5.3.1 Market estimates & forecasts, 2014 - 2025 (Tons) (USD Thousand)

#### 5.5.3.2 Market estimates & forecasts, by application, 2014 - 2025 (Tons) (USD Thousand)

##### 5.5.3.2.1 Market estimates & forecasts, by application, 2014 - 2025 (Tons) (USD Thousand)

#### 5.5.4 Japan

5.5.4.1 Market estimates & forecasts, 2014 - 2025 (Tons) (USD Thousand)

5.5.4.2 Market estimates & forecasts, by application, 2014 - 2025 (Tons) (USD Thousand)

5.5.4.2.1 Market estimates & forecasts, by application, 2014 - 2025 (Tons) (USD Thousand)

5.5.5 South Korea

5.5.5.1 Market estimates & forecasts, 2014 - 2025 (Tons) (USD Thousand)

5.5.5.2 Market estimates & forecasts, by application, 2014 - 2025 (Tons) (USD Thousand)

5.5.5.2.1 Market estimates & forecasts, by application, 2014 - 2025 (Tons) (USD Thousand)

5.5.6 India

5.5.6.1 Market estimates & forecasts, 2014 - 2025 (Tons) (USD Thousand)

5.5.6.2 Market estimates & forecasts, by application, 2014 - 2025 (Tons) (USD Thousand)

5.5.6.2.1 Market estimates & forecasts, by application, 2014 - 2025 (Tons) (USD Thousand)

5.5.7 Australia

5.5.7.1 Market estimates & forecasts, 2014 - 2025 (Tons) (USD Thousand)

5.5.7.2 Market estimates & forecasts, by application, 2014 - 2025 (Tons) (USD Thousand)

5.5.7.2.1 Market estimates & forecasts, by application, 2014 - 2025 (Tons) (USD Thousand)

5.6 Central & South America

5.6.1 Market estimates & forecasts, 2014 - 2025 (Tons) (USD Thousand)

5.6.2 Market estimates & forecasts, by application, 2014 - 2025 (Tons) (USD Thousand)

5.6.2.1 Market estimates & forecasts, 2014 - 2025 (Tons) (USD Thousand)

5.6.3 Brazil

5.6.3.1 Market estimates & forecasts, 2014 - 2025 (Tons) (USD Thousand)

5.6.3.2 Market estimates & forecasts, by application, 2014 - 2025 (Tons) (USD Thousand)

5.6.3.2.1 Market estimates & forecasts, by application, 2014 - 2025 (Tons) (USD Thousand)

5.7 Middle East & Africa

5.7.1 Market estimates & forecasts, 2014 - 2025 (Tons) (USD Thousand)

5.7.2 Market estimates & forecasts, by application, 2014 - 2025 (Tons) (USD Thousand)

5.7.2.1 Market estimates & forecasts, 2014 - 2025 (Tons) (USD Thousand)



### 5.7.3 UAE

5.7.3.1 Market estimates & forecasts, 2014 - 2025 (Tons) (USD Thousand)

5.7.3.2 Market estimates & forecasts, by application, 2014 - 2025 (Tons) (USD Thousand)

5.7.3.2.1 Market estimates & forecasts, by application, 2014 - 2025 (Tons) (USD Thousand)

## **CHAPTER 6 COMPETITIVE ANALYSIS**

6.1 Key Players' Recent Developments & Their Impact

6.2 Key Innovators, Market Leader, and Emerging Players

6.3 Vendor Landscape

6.3.1 List of key distributors & channel partners

6.3.2 Key customers

6.4 Public Companies

6.4.1 Company market position analysis

6.4.2 Company ranking

6.4.3 Competitive dashboard analysis

6.4.4 Market differentiators

6.4.5 Synergy Analysis: Major Deals & Strategic Alliances

6.4.6 SWOT Analysis of Public companies

6.5 Private Companies

6.5.1 List of key emerging companies/technology disruptors/innovators

6.5.2 Geographical Presence

6.5.3 Company market position analysis

## **CHAPTER 7 COMPANY PROFILES**

7.1 Tosoh Corporation

7.1.1 Company Overview

7.1.2 Financial Performance

7.1.3 Application Benchmarking

7.1.4 Strategic Initiatives

7.2 Mesa Minerals Limited (Mesa)

7.2.1 company Overview

7.2.2 Financial Performance

7.2.3 Application Benchmarking

7.2.4 Strategic Initiatives

7.3 Tronox Limited



- 7.3.1 company Overview
- 7.3.2 Financial Performance
- 7.3.3 Application Benchmarking
- 7.3.4 Strategic Initiatives
- 7.4 Price International Corporation
  - 7.4.1 Company Overview
  - 7.4.2 Financial Performance
  - 7.4.3 Application Benchmarking
  - 7.4.4 Strategic Initiatives
- 7.5 American Manganese Inc.
  - 7.5.1 Company Overview
  - 7.5.2 Financial Performance
  - 7.5.3 Application Benchmarking
  - 7.5.4 Strategic Initiatives
- 7.6 Xiangtan Electrochemical Scientific Ltd.
  - 7.6.1 Company Overview
  - 7.6.2 Financial Performance
  - 7.6.3 Application Benchmarking
  - 7.6.4 Strategic Initiatives
- 7.7 Micromesh Minerals & Metals
  - 7.7.1 Company Overview
  - 7.7.2 Financial Performance
  - 7.7.3 Application Benchmarking
  - 7.7.4 Strategic Initiatives
- 7.8 Qingdao BassTech Co., Ltd.
  - 7.8.1 Company Overview
  - 7.8.2 Financial Performance
  - 7.8.3 Application Benchmarking
  - 7.8.4 Strategic Initiatives
- 7.9 Delta EMD Ltd.
  - 7.9.1 Company Overview
  - 7.9.2 Financial Performance
  - 7.9.3 Application Benchmarking
  - 7.9.4 Strategic Initiatives
- 7.10 Metallica Mine-chem Pvt. Ltd.
  - 7.10.1 Company Overview
  - 7.10.2 Financial Performance
  - 7.10.3 Application Benchmarking
  - 7.10.4 Strategic Initiatives



## List Of Tables

### LIST OF TABLES

TABLE 1 Electrolytic manganese dioxide (EMD) market estimates & forecasts, in batteries, 2014 - 2025 (Tons) (USD Thousand)

TABLE 2 Electrolytic manganese dioxide (EMD) market estimates & forecasts, in alkaline batteries, 2014 - 2025 (Tons) (USD Thousand)

TABLE 3 Electrolytic manganese dioxide (EMD) market estimates & forecasts, in zinc-carbon batteries, 2014 - 2025 (Tons) (USD Thousand)

TABLE 4 Electrolytic manganese dioxide (EMD) market estimates & forecasts, in li-ion batteries, 2014 - 2025 (Tons) (USD Thousand)

TABLE 5 Electrolytic manganese dioxide (EMD) market estimates & forecasts, in water treatment, 2014 - 2025 (Tons) (USD Thousand)

TABLE 6 Electrolytic Manganese Dioxide (EMD) market estimates & forecasts, in other applications, 2014 - 2025 (Tons) (USD Thousand)

TABLE 7 North America electrolytic manganese dioxide (EMD) market estimates & forecasts, 2014 - 2025 (Tons) (USD Thousand)

TABLE 8 North America electrolytic manganese dioxide (EMD) market estimates & forecasts, by application, 2014 - 2025 (Tons)

TABLE 9 North America electrolytic manganese dioxide (EMD) market estimates & forecasts, by application, 2014 - 2025 (USD Thousand)

TABLE 10 North America battery-grade electrolytic manganese dioxide (EMD) market estimates & forecasts, 2014 - 2025 (Tons)

TABLE 11 North America battery-grade electrolytic manganese dioxide (EMD) market estimates & forecasts, 2014 - 2025 (USD Thousand)

TABLE 12 U.S. electrolytic manganese dioxide (EMD) market estimates & forecasts, 2014 - 2025 (Tons) (USD Thousand)

TABLE 13 U.S. electrolytic manganese dioxide (EMD) market estimates & forecasts, by application, 2014 - 2025 (Tons)

TABLE 14 U.S. electrolytic manganese dioxide (EMD) market estimates & forecasts, by application, 2014 - 2025 (USD Thousand)

TABLE 15 U.S. battery-grade electrolytic manganese dioxide (EMD) market estimates & forecasts, 2014 - 2025 (Tons)

TABLE 16 U.S. battery-grade electrolytic manganese dioxide (EMD) market estimates & forecasts, 2014 - 2025 (USD Thousand)

TABLE 17 Mexico electrolytic manganese dioxide (EMD) market estimates & forecasts, 2014 - 2025 (Tons) (USD Thousand)

TABLE 18 Mexico electrolytic manganese dioxide (EMD) market estimates & forecasts,

by application, 2014 - 2025 (Tons)

TABLE 19 Mexico electrolytic manganese dioxide (EMD) market estimates & forecasts, by application, 2014 - 2025 (USD Thousand)

TABLE 20 Mexico battery-grade electrolytic manganese dioxide (EMD) market estimates & forecasts, 2014 - 2025 (Tons)

TABLE 21 Mexico battery-grade electrolytic manganese dioxide (EMD) market estimates & forecasts, 2014 - 2025 (USD Thousand)

TABLE 22 Europe electrolytic manganese dioxide (EMD) market estimates & forecasts, 2014 - 2025 (Tons) (USD Thousand)

TABLE 23 Europe electrolytic manganese dioxide (EMD) market estimates & forecasts, by application, 2014 - 2025 (Tons)

TABLE 24 Europe electrolytic manganese dioxide (EMD) market estimates & forecasts, by application, 2014 - 2025 (USD Thousand)

TABLE 25 Europe battery-grade electrolytic manganese dioxide (EMD) market estimates & forecasts, 2014 - 2025 (Tons)

TABLE 26 Europe battery-grade electrolytic manganese dioxide (EMD) market estimates & forecasts, 2014 - 2025 (USD Thousand)

TABLE 27 Germany electrolytic manganese dioxide (EMD) market estimates & forecasts, 2014 - 2025 (Tons) (USD Thousand)

TABLE 28 Germany electrolytic manganese dioxide (EMD) market estimates & forecasts, by application, 2014 - 2025 (Tons)

TABLE 29 Germany electrolytic manganese dioxide (EMD) market estimates & forecasts, by application, 2014 - 2025 (USD Thousand)

TABLE 30 Germany battery-grade electrolytic manganese dioxide (EMD) market estimates & forecasts, 2014 - 2025 (Tons)

TABLE 31 Germany battery-grade electrolytic manganese dioxide (EMD) market estimates & forecasts, 2014 - 2025 (USD Thousand)

TABLE 32 U.K. electrolytic manganese dioxide (EMD) market estimates & forecasts, 2014 - 2025 (Tons) (USD Thousand)

TABLE 33 U.K. electrolytic manganese dioxide (EMD) market estimates & forecasts, by application, 2014 - 2025 (Tons)

TABLE 34 U.K. electrolytic manganese dioxide (EMD) market estimates & forecasts, by application, 2014 - 2025 (USD Thousand)

TABLE 35 U.K. battery-grade electrolytic manganese dioxide (EMD) market estimates & forecasts, 2014 - 2025 (Tons)

TABLE 36 U.K. battery-grade electrolytic manganese dioxide (EMD) market estimates & forecasts, 2014 - 2025 (USD Thousand)

TABLE 37 Russia electrolytic manganese dioxide (EMD) market estimates & forecasts, 2014 - 2025 (Tons) (USD Thousand)

TABLE 38 Russia electrolytic manganese dioxide (EMD) market estimates & forecasts, by application, 2014 - 2025 (Tons)

TABLE 39 Russia electrolytic manganese dioxide (EMD) market estimates & forecasts, by application, 2014 - 2025 (USD Thousand)

TABLE 40 Russia battery-grade electrolytic manganese dioxide (EMD) market estimates & forecasts, 2014 - 2025 (Tons)

TABLE 41 Russia battery-grade electrolytic manganese dioxide (EMD) market estimates & forecasts, 2014 - 2025 (USD Thousand)

TABLE 42 Poland electrolytic manganese dioxide (EMD) market estimates & forecasts, 2014 - 2025 (Tons) (USD Thousand)

TABLE 43 Poland electrolytic manganese dioxide (EMD) market estimates & forecasts, by application, 2014 - 2025 (Tons)

TABLE 44 Poland electrolytic manganese dioxide (EMD) market estimates & forecasts, by application, 2014 - 2025 (USD Thousand)

TABLE 45 Poland battery-grade electrolytic manganese dioxide (EMD) market estimates & forecasts, 2014 - 2025 (Tons)

TABLE 46 Poland battery-grade electrolytic manganese dioxide (EMD) market estimates & forecasts, 2014 - 2025 (USD Thousand)

TABLE 47 Asia Pacific electrolytic manganese dioxide (EMD) market estimates & forecasts, 2014 - 2025 (Tons) (USD Thousand)

TABLE 48 Asia Pacific electrolytic manganese dioxide (EMD) market estimates & forecasts, by application, 2014 - 2025 (Tons)

TABLE 49 Asia Pacific electrolytic manganese dioxide (EMD) market estimates & forecasts, by application, 2014 - 2025 (USD Thousand)

TABLE 50 Asia Pacific battery-grade electrolytic manganese dioxide (EMD) market estimates & forecasts, 2014 - 2025 (Tons)

TABLE 51 Asia Pacific battery-grade electrolytic manganese dioxide (EMD) market estimates & forecasts, 2014 - 2025 (USD Thousand)

TABLE 52 China electrolytic manganese dioxide (EMD) market estimates & forecasts, 2014 - 2025 (Tons) (USD Thousand)

TABLE 53 China electrolytic manganese dioxide (EMD) market estimates & forecasts, by application, 2014 - 2025 (Tons)

TABLE 54 China electrolytic manganese dioxide (EMD) market estimates & forecasts, by application, 2014 - 2025 (USD Thousand)

TABLE 55 China battery grade electrolytic manganese dioxide (EMD) market estimates & forecasts, 2014 - 2025 (Tons)

TABLE 56 China battery-grade electrolytic manganese dioxide (EMD) market estimates & forecasts, 2014 - 2025 (USD Thousand)

TABLE 57 Japan electrolytic manganese dioxide (EMD) market estimates & forecasts,

2014 - 2025 (Tons) (USD Thousand)

TABLE 58 Japan electrolytic manganese dioxide (EMD) market estimates & forecasts, by application, 2014 - 2025 (Tons)

TABLE 59 Japan electrolytic manganese dioxide (EMD) market estimates & forecasts, by application, 2014 - 2025 (USD Thousand)

TABLE 60 Japan battery-grade electrolytic manganese dioxide (EMD) market estimates & forecasts, 2014 - 2025 (Tons)

TABLE 61 Japan battery-grade electrolytic manganese dioxide (EMD) market estimates & forecasts, 2014 - 2025 (USD Thousand)

TABLE 62 South Korea electrolytic manganese dioxide (EMD) market estimates & forecasts, 2014 - 2025 (Tons) (USD Thousand)

TABLE 63 South Korea electrolytic manganese dioxide (EMD) market estimates & forecasts, by application, 2014 - 2025 (Tons)

TABLE 64 South Korea electrolytic manganese dioxide (EMD) market estimates & forecasts, by application, 2014 - 2025 (USD Thousand)

TABLE 65 South Korea battery-grade electrolytic manganese dioxide (EMD) market estimates & forecasts, 2014 - 2025 (Tons)

TABLE 66 South Korea battery-grade electrolytic manganese dioxide (EMD) market estimates & forecasts, 2014 - 2025 (USD Thousand)

TABLE 67 India electrolytic manganese dioxide (EMD) market estimates & forecasts, 2014 - 2025 (Tons) (USD Thousand)

TABLE 68 India electrolytic manganese dioxide (EMD) market estimates & forecasts, by application, 2014 - 2025 (Tons)

TABLE 69 India electrolytic manganese dioxide (EMD) market estimates & forecasts, by application, 2014 - 2025 (USD Thousand)

TABLE 70 India battery-grade electrolytic manganese dioxide (EMD) market estimates & forecasts, 2014 - 2025 (Tons)

TABLE 71 India battery-grade electrolytic manganese dioxide (EMD) market estimates & forecasts, 2014 - 2025 (USD Thousand)

TABLE 72 Australia electrolytic manganese dioxide (EMD) market estimates & forecasts, 2014 - 2025 (Tons) (USD Thousand)

TABLE 73 Australia electrolytic manganese dioxide (EMD) market estimates & forecasts, by application, 2014 - 2025 (Tons)

TABLE 74 Australia electrolytic manganese dioxide (EMD) market estimates & forecasts, by application, 2014 - 2025 (USD Thousand)

TABLE 75 Australia battery-grade electrolytic manganese dioxide (EMD) market estimates & forecasts, 2014 - 2025 (Tons)

TABLE 76 Australia battery-grade electrolytic manganese dioxide (EMD) market estimates & forecasts, 2014 - 2025 (USD Thousand)



TABLE 77 Central & South America electrolytic manganese dioxide (EMD) market estimates & forecasts, 2014 - 2025 (Tons) (USD Thousand)

TABLE 78 Central & South America electrolytic manganese dioxide (EMD) market estimates & forecasts, by application, 2014 - 2025 (Tons)

TABLE 79 Central & South America electrolytic manganese dioxide (EMD) market estimates & forecasts, by application, 2014 - 2025 (USD Thousand)

TABLE 80 Central & South America battery-grade electrolytic manganese dioxide (EMD) market estimates & forecasts, 2014 - 2025 (Tons)

TABLE 81 Central & South America battery-grade electrolytic manganese dioxide (EMD) market estimates & forecasts, 2014 - 2025 (USD Thousand)

TABLE 82 Brazil electrolytic manganese dioxide (EMD) market estimates & forecasts, 2014 - 2025 (Tons) (USD Thousand)

TABLE 83 Brazil electrolytic manganese dioxide (EMD) market estimates & forecasts, by application, 2014 - 2025 (Tons)

TABLE 84 Brazil electrolytic manganese dioxide (EMD) market estimates & forecasts, by application, 2014 - 2025 (USD Thousand)

TABLE 85 Brazil battery-grade electrolytic manganese dioxide (EMD) market estimates & forecasts, 2014 - 2025 (Tons)

TABLE 86 Brazil battery-grade electrolytic manganese dioxide (EMD) market estimates & forecasts, 2014 - 2025 (USD Thousand)

TABLE 87 Middle East & Africa electrolytic manganese dioxide (EMD) market estimates & forecasts, 2014 - 2025 (Tons) (USD Thousand)

TABLE 88 Middle East & Africa electrolytic manganese dioxide (EMD) market estimates & forecasts, by application, 2014 - 2025 (Tons)

TABLE 89 Middle East & Africa electrolytic manganese dioxide (EMD) market estimates & forecasts, by application, 2014 - 2025 (USD Thousand)

TABLE 90 Middle East & Africa battery-grade electrolytic manganese dioxide (EMD) market estimates & forecasts, 2014 - 2025 (Tons)

TABLE 91 Middle East & Africa battery-grade electrolytic manganese dioxide (EMD) market estimates & forecasts, 2014 - 2025 (USD Thousand)

TABLE 92 UAE electrolytic manganese dioxide (EMD) market estimates & forecasts, 2014 - 2025 (Tons) (USD Thousand)

TABLE 93 UAE electrolytic manganese dioxide (EMD) market estimates & forecasts, by application, 2014 - 2025 (Tons)

TABLE 94 UAE electrolytic manganese dioxide (EMD) market estimates & forecasts, by application, 2014 - 2025 (USD Thousand)

TABLE 95 UAE battery-grade electrolytic manganese dioxide (EMD) market estimates & forecasts, 2014 - 2025 (Tons)

TABLE 96 UAE battery-grade electrolytic manganese dioxide (EMD) market estimates



& forecasts, 2014 - 2025 (USD Thousand)

## List Of Figures

### LIST OF FIGURES

- FIG. 1 Information procurement
- FIG. 2 Primary research pattern
- FIG. 3 Primary research process
- FIG. 4 Primary research approaches
- FIG. 5 Electrolytic Manganese Dioxide (EMD) market: Segmental snapshot
- FIG. 6 Electrolytic Manganese Dioxide (EMD) market: Competitive snapshot
- FIG. 7 Electrolytic Manganese Dioxide (EMD) market: Penetration & growth prospect mapping
- FIG. 8 Value chain analysis
- FIG. 9 Manufacturing process
- FIG. 10 Sales channel analysis
- FIG. 11 Product and key strategic developments timeline
- FIG. 12 Product cost in USD
- FIG. 13 Porters five forces analysis
- FIG. 14 PESTEL Analysis
- FIG. 15 Electrolytic Manganese Dioxide (EMD) market: Application movement analysis, 2018 & 2025
- FIG. 16 Electrolytic Manganese Dioxide (EMD) market: Regional movement analysis, 2018 & 2025
- FIG. 17 Electrolytic Manganese Dioxide (EMD) market: Competitive dashboard analysis

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