

Battery Materials Market - By Types (Cathode, Anode, Electrolyte, Separator, Binders, Packaging Material), Applications & Geography - Trends & Forecasts To 2018

<https://marketpublishers.com/r/B4B7BAC7FE0EN.html>

Date: June 2013

Pages: 384

Price: US\$ 5,650.00 (Single User License)

ID: B4B7BAC7FE0EN

Abstracts

The report focuses on battery materials for lithium battery. It includes cathode, anode, electrolyte, separator, binders, and packaging materials. It further divides the market on the basis of types, applications, and geography. The major material types within this market are cathode, anode, separator, and electrolyte. The market data for these material types is given with respect to volume (tons) and value (\$million). The data is based on the demand for all the battery materials categories.

The total market for battery materials has been analyzed based on the Porter's five forces model. This gives an idea about the current on-goings in the industry at a commercial level. The study provided the value chain analysis with respect to battery materials, manufacturers, and end use. The value chain describes the key contributors to materials market at different stages from product development to end use. The report also provides market share for battery materials manufacturers. It represents the top players contributing to the battery materials industry.

The impact of different market factors such as drivers, restraints, and opportunities is also illustrated in the report. This is done based on parameters which include impact of a specific market factor (low, medium, high) and time period over which these will persist. This gives an idea about the major drivers and opportunities that are of key importance for commercial success of battery materials and its end-user market.

The market is also analyzed based on the patents filed by different industrial participants over a period of time. This elaborates about the latest products and

technologies on which the manufacturers have been focusing over the past few years. The report also describes price patterns of major materials used for battery materials manufacturing. Along with that, it also focuses on the life cycle of battery materials industry with respect to different regions. These phases include development, growth, maturity, and decline.

The battery materials market is also classified based on different applications. The laptops/notebooks applications dominate the lithium battery materials market followed by cellular/mobile phones, automotive, power tools, and household devices. The market data for all the applications segments is given in the study with respect to volume (tons) and value (\$million). The volume data provided excludes the separator, binders, and packaging materials segments. The data is based on the demand for all the types and applications segments.

The market study segments the battery materials market with respect to major areas such as North America, Europe, Asia-Pacific, and Rest of the world (ROW). The regions are further segmented for Asia-Pacific – China, Japan, India and Rest of Asia-Pacific; Europe – Germany, U.K., and France; and North America – U.S. and Canada. The market data for these regions is given with respect to volume (tons) and value (\$million). The data is based on the demand for all the battery materials types and applications segments.

The report also presents a competitive landscape covering different strategies and developments undertaken by the battery materials companies in the past few years. Furthermore, different lithium battery materials market participants are also profiled in the report which gives details about companies such as overview, financial details, products, strategy, and recent developments.

Scope of the report

The battery materials market entirely focuses on lithium battery. This market has been covered in detail in this report. In order to provide an all-round picture, current lithium battery materials market demand and forecasts have also been included.

On the basis of material type:

Cathode

Anode

Electrolyte

Separator

Binder

Packaging materials

On the basis of Applications:

Laptops/Notebooks

Cellular/Mobile phones

Automotive

Power tools

Household devices

Others

On the basis of Geography:

North America (U.S., Canada)

Europe (Germany, U.K., France)

APAC (China, India, Japan)

ROW (Brazil)

Contents

1 INTRODUCTION

- 1.1 KEY TAKEAWAYS
- 1.2 REPORT DESCRIPTION
- 1.3 MARKETS COVERED
- 1.4 STAKEHOLDERS
- 1.5 RESEARCH METHODOLOGY
 - 1.5.1 MARKET SIZE
 - 1.5.2 KEY DATA POINTS TAKEN FROM SECONDARY SOURCES
 - 1.5.3 KEY DATA POINTS TAKEN FROM PRIMARY SOURCES
 - 1.5.4 ASSUMPTIONS MADE FOR THIS REPORT

2 EXECUTIVE SUMMARY

3 PREMIUM INSIGHTS

- 3.1 REGIONAL MARKET ANALYSIS
 - 3.1.1 REGIONAL MARKET SHARE COMPARISON OF ANODE MATERIAL TYPES
 - 3.1.2 REGIONAL MARKET SHARE COMPARISON OF CATHODE MATERIAL TYPES
- 3.2 MARKET SHARE COMPARISON: BATTERY MATERIALS APPLICATIONS
- 3.3 GLOBAL LOCATIONS OF MAJOR MARKET PLAYERS

4 MARKET OVERVIEW

- 4.1 INTRODUCTION
- 4.2 GLOBAL BATTERY MARKET
 - 4.2.1 LITHIUM BATTERY
 - 4.2.2 TECHNOLOGY LIFE CYCLE OF BATTERIES
 - 4.2.3 MARKET SEGMENTATION
- 4.3 TYPES OF MATERIALS IN LITHIUM BATTERY
 - 4.3.1 CATHODE MATERIALS
 - 4.3.2 ANODE MATERIALS
 - 4.3.3 ELECTROLYTE MATERIALS
 - 4.3.4 SEPARATOR MATERIALS
 - 4.3.5 BINDERS
- 4.4 VALUE CHAIN ANALYSIS

4.5 MARKET DYNAMICS

4.5.1 DRIVERS

4.5.1.1 HEV, PHEV, EV high production and sales will accelerate demand for lithium batteries

4.5.1.2 Emerging economies and their advances in automotive & consumer electronics industries

4.5.1.3 Intense global demand of lithium batteries for the consumer electronics

4.5.2 RESTRAINTS

4.5.2.1 Heavy safety requirement for these batteries during operating usage

4.5.2.2 High growth of ultra capacitors

4.5.3 OPPORTUNITIES

4.5.3.1 Innovation and technology advances in lithium battery materials market.

4.5.4 IMPACT OF DROS (DRIVERS, RESTRAINTS & OPPORTUNITIES)

4.5.5 BURNING ISSUES

4.5.5.1 Quality of materials

4.5.5.2 Safety issue with usage of separator material

4.6 PORTERS FIVE FORCE ANALYSIS

4.6.1 THREAT OF NEW ENTRANTS

4.6.2 THREAT OF SUBSTITUTES

4.6.3 BARGAINING POWER OF BUYERS

4.6.4 BARGAINING POWER OF SUPPLIERS

4.6.5 COMPETITIVE RIVALRY WITHIN THE INDUSTRY

4.7 WINNING IMPERATIVES

4.8 MARKET SHARE ANALYSIS, BY COMPANIES

4.8.1.1 Cathode materials

4.8.1.2 Anode materials

4.8.1.3 Electrolyte materials

4.8.1.4 Separator materials

4.9 PATENTS ANALYSIS

5 BATTERY MATERIALS MARKET, BY TYPES

5.1 INTRODUCTION

5.1.1 BATTERY MATERIALS MARKET, BY TYPES

5.2 ANODE MATERIALS

5.2.1 MAJOR TECHNOLOGY ADVANCEMENTS IN ANODE MATERIALS

5.2.2 LITHIUM TITANATE

5.2.3 ARTIFICIAL GRAPHITE

5.2.4 NATURAL GRAPHITE

5.2.5 SILICON

5.2.6 CARBON

5.2.7 OTHERS

5.3 CATHODE MATERIALS

5.3.1 VARIOUS CATHODE TECHNOLOGY CHEMISTRIES ACROSS LITHIUM BATTERY MATERIALS

5.3.2 LITHIUM NICKEL COBALT ALUMINUM (NCA)

5.3.3 LITHIUM MANGANESE OXIDE (LMO)

5.3.4 LITHIUM NICKEL OXIDE (LNO)

5.3.5 LITHIUM COBALT OXIDE (LCO)

5.3.6 LITHIUM IRON PHOSPHATE (LFP)

5.3.7 LITHIUM NICKEL COBALT MANGANESE (NCM)

5.4 ELECTROLYTE MATERIALS

5.5 SEPARATORS MATERIALS

5.5.1 WET & DRY TYPE OF SEPARATORS

5.5.2 POLYPROPYLENE (PP)

5.5.3 POLYETHYLENE (PE)

5.6 BINDERS

5.7 PACKAGING MATERIALS

6 BATTERY MATERIALS MARKET, BY APPLICATIONS

6.1 INTRODUCTION

6.1.1 CONSUMER ELECTRONICS: MAJOR MARKET FOR BATTERY MATERIALS

6.1.2 NEW INDUSTRIAL APPLICATIONS AND ACCEPTANCE OF LITHIUM

BATTERIES - MAJOR ADVANTAGE

6.2 LAPTOPS/NOTEBOOKS

6.2.1 HIGH DEMAND FOR LITHIUM POLYMER BATTERY ACROSS LAPTOPS APPLICATION SEGMENT

6.2.2 TABLET PC'S - KEY FACTOR FOR GROWTH OF MANY COMPUTER COMPANIES

6.3 CELLULAR/MOBILE PHONES

6.3.1 JAPANESE & SOUTH KOREAN BATTERY MANUFACTURERS DOMINANCE

6.4 AUTOMOTIVE

6.4.1 JOINT VENTURES FOR HIGH PERFORMANCE BATTERY MANUFACTURING

6.4.2 ASIAN DOMINANCE OF AUTOMOTIVE VEHICLES, BATTERY MANUFACTURES

6.4.3 OVERCOMING THE COST BARRIER IS KEY CHALLENGE

6.4.4 INCENTIVES BOOST THE ELECTRIC VEHICLE SALES

6.5 POWER TOOLS

6.5.1 EMERGING ECONOMIES – CREATE UPWARD TREND FOR POWER TOOLS

6.5.2 HIGH DEMAND FOR CORDLESS TOOLS ACROSS INDUSTRY VERTICALS

6.5.3 LITHIUM-ION BATTERIES BETTER PERFORMANCE VS NICD BATTERY

6.6 HOUSEHOLD DEVICES

6.6.1 INNOVATIVE PRODUCTS, BY COMPANIES

6.7 OTHERS

6.7.1 KEY FACTOR FOR HIGH GROWTH IN MILITARY APPLICATIONS - BULK ENERGY & FLEXIBLE DESIGN

7 BATTERY MATERIALS MARKET, BY GEOGRAPHY

7.1 INTRODUCTION

7.1.1 HIGH ELECTRIC VEHICLES DEMAND – KEY DRIVER

7.1.2 REGIONAL MARKET SHARE TREND

7.2 NORTH AMERICA

7.2.1 NORTH AMERICAN BATTERY MATERIALS MARKET, BY APPLICATIONS

7.2.2 NORTH AMERICAN BATTERY MATERIALS MARKET, BY TYPES

7.2.3 NORTH AMERICAN BATTERY MATERIALS MARKET, BY COUNTRIES

7.3 EUROPE

7.3.1 EUROPEAN BATTERY MATERIALS MARKET, BY APPLICATIONS

7.3.2 EUROPEAN BATTERY MATERIALS MARKET, BY TYPES

7.3.3 EUROPEAN BATTERY MATERIALS MARKET, BY COUNTRIES

7.4 ASIA-PACIFIC

7.4.1 CHINA - BRINGING ADVANCED BATTERY TECHNOLOGIES

7.4.2 ASIA-PACIFIC BATTERY MATERIALS MARKET, BY APPLICATIONS

7.4.3 ASIA-PACIFIC BATTERY MATERIALS MARKET, BY TYPES

7.4.4 ASIA-PACIFIC BATTERY MATERIALS MARKET, BY COUNTRIES

7.5 REST OF THE WORLD (ROW)

7.5.1 ROW BATTERY MATERIALS MARKET, BY APPLICATIONS

7.5.2 ROW BATTERY MATERIALS MARKET, BY TYPES

7.5.3 ROW BATTERY MATERIALS MARKET, BY COUNTRIES

8 COMPETITIVE LANDSCAPE

8.1 INTRODUCTION

8.2 INVESTMENT, EXPANSION & OTHER DEVELOPMENTS – LEADS THE WAY

8.3 BASF, ITOCHU, UBE - MOST ACTIVE COMPANIES

8.4 RECENT TRENDS IN DEVELOPMENT OF BATTERY MATERIALS

8.5 MERGERS & ACQUISITIONS

8.6 NEW PRODUCTS LAUNCH

8.7 AGREEMENTS/PARTNERSHIPS/COLLABORATIONS/JOINT VENTURES

8.8 EXPANSION & OTHER DEVELOPMENTS

9 COMPANY PROFILES (OVERVIEW, FINANCIALS, PRODUCTS & SERVICES, STRATEGY, AND DEVELOPMENTS)

9.1 3M

9.2 ASAHI KASEI CORPORATION

9.3 BASF

9.4 CELGARD

9.5 E. I. DU PONT DE NEMOURS & COMPANY

9.6 ECOPRO CO.,LTD

9.7 ENTEK INTERNATIONAL LLC

9.8 HITACHI CHEMICAL CO. LTD

9.9 ITOCHU CORPORATION

9.10 KUREHA CORPORATION

9.11 L&F MATERIAL CO., LTD.

9.12 MITSUBISHI CHEMICAL CORPORATION

9.13 NICHIA CORPORATION

9.14 NIPPON DENKO CO., LTD

9.15 NINGBO SHANSHAN COMPANY LIMITED

9.16 TARGRAY TECHNOLOGY INTERNATIONAL INC.

9.17 THE DOW CHEMICAL COMPANY

9.18 TODA KOGYO CORPORATION

9.19 UBE INDUSTRIES LIMITED

9.20 UMICORE S.A. (Details on overview, financials, product & services, strategy, and developments might not be captured in case of unlisted companies.)

APPENDIX

U.S. PATENTS

EUROPE PATENTS

JAPAN PATENTS

List Of Tables

LIST OF TABLES

TABLE 1 BATTERY MATERIALS: MARKET VOLUME, BY GEOGRAPHY, 2011 – 2018 (TONS)
TABLE 2 BATTERY MATERIALS: MARKET REVENUE, BY GEOGRAPHY, 2011 – 2018 (\$MILLION)
TABLE 3 GLOBAL LOCATIONS OF KEY MARKET PLAYERS
TABLE 4 COMPARISON OF VARIOUS RECHARGEABLE BATTERIES
TABLE 5 CATHODE MATERIALS & ITS CHEMICAL FORMULAS
TABLE 6 ANODE MATERIALS & ITS APPLICATIONS
TABLE 7 AUTOMAKERS & THEIR ELECTRICAL VEHICLES
TABLE 8 U.S. DEPARTMENT OF ENERGY TARGETS IN EV, PHEV, HEV
TABLE 9 SMART PHONE SHIPMENTS & MARKET SHARES, BY COUNTRIES, 2013 – 2017
TABLE 10 ULTRA CAPACITORS VS LITHIUM ION BATTERIES
TABLE 11 VARIETY OF BATTERY MATERIALS
TABLE 12 BATTERY MATERIALS: MARKET REVENUE, BY TYPES, 2011 – 2018 (\$MILLION)
TABLE 13 BATTERY MATERIALS: MARKET VOLUME, BY TYPES, 2011 – 2018 (TONS)
TABLE 14 ANODE MATERIALS: MARKET VOLUME, BY GEOGRAPHY, 2011 – 2018 (TONS)
TABLE 15 ANODE MATERIALS: MARKET REVENUE, BY GEOGRAPHY, 2011 – 2018 (\$MILLION)
TABLE 16 LITHIUM TITANATE (ANODE MATERIALS): MARKET VOLUME, BY GEOGRAPHY, 2011 – 2018 (TONS)
TABLE 17 LITHIUM TITANATE (ANODE MATERIALS): MARKET REVENUE, BY GEOGRAPHY, 2011 – 2018 (\$MILLION)
TABLE 18 ARTIFICIAL GRAPHITE (ANODE MATERIALS): MARKET VOLUME, BY GEOGRAPHY, 2011 – 2018 (TONS)
TABLE 19 ARTIFICIAL GRAPHITE (ANODE MATERIALS): MARKET REVENUE, 2011 – 2018 (\$MILLION)
TABLE 20 NATURAL GRAPHITE: MARKET VOLUME, BY GEOGRAPHY, 2011 – 2018 (TONS)
TABLE 21 NATURAL GRAPHITE (ANODE MATERIALS): MARKET REVENUE, 2011 – 2018 (\$MILLION)
TABLE 22 SILICON (ANODE MATERIALS): MARKET VOLUME, BY GEOGRAPHY,

2011 – 2018 (TONS)

TABLE 23 SILICON (ANODE MATERIALS): MARKET REVENUE, 2011 – 2018 (\$MILLION)

TABLE 24 HARD CARBON (ANODE MATERIALS): MARKET VOLUME, BY GEOGRAPHY, 2011 – 2018 (TONS)

TABLE 25 HARD CARBON (ANODE MATERIALS): MARKET REVENUE, BY GEOGRAPHY, 2011 – 2018 (\$MILLION)

TABLE 26 OTHERS (ANODE MATERIALS): MARKET VOLUME, BY GEOGRAPHY, 2011 – 2018 (TONS)

TABLE 27 OTHERS (ANODE MATERIALS): MARKET REVENUE, BY GEOGRAPHY, 2011 – 2018 (\$MILLION)

TABLE 28 CATHODE MATERIALS: MARKET VOLUME, BY GEOGRAPHY, 2011 – 2018 (TONS)

TABLE 29 CATHODE MATERIALS: MARKET REVENUE, BY GEOGRAPHY, 2011 – 2018 (\$MILLION)

TABLE 30 NCA (CATHODE MATERIALS): MARKET VOLUME, BY GEOGRAPHY, 2011 – 2018 (TONS)

TABLE 31 NCA (CATHODE MATERIALS): MARKET REVENUE, BY GEOGRAPHY, 2011 – 2018 (\$MILLION)

TABLE 32 LMO (CATHODE MATERIALS): MARKET VOLUME, BY GEOGRAPHY, 2011 – 2018 (TONS)

TABLE 33 LMO (CATHODE MATERIALS): MARKET REVENUE, BY GEOGRAPHY, 2011 - 2018 (\$MILLIONS)

TABLE 34 LNO (CATHODE MATERIALS): MARKET VOLUME, BY GEOGRAPHY, 2011 – 2018 (TONS)

TABLE 35 LNO (CATHODE MATERIALS): MARKET REVENUE, BY GEOGRAPHY, 2011 – 2018 (\$MILLION)

TABLE 36 LCO (CATHODE MATERIALS): MARKET VOLUME, BY GEOGRAPHY, 2011 – 2018 (TONS)

TABLE 37 LCO (CATHODE MATERIALS): MARKET REVENUE, BY GEOGRAPHY, 2013 – 2018 (\$MILLION)

TABLE 38 LFP (CATHODE MATERIALS): MARKET VOLUME, BY GEOGRAPHY, 2011 – 2018 (TONS)

TABLE 39 LFP (CATHODE MATERIALS): MARKET REVENUE, BY GEOGRAPHY, 2011 – 2018 (\$MILLION)

TABLE 40 NCM (CATHODE MATERIALS): MARKET VOLUME, BY GEOGRAPHY, 2011 – 2018 (TONS)

TABLE 41 NCM (CATHODE MATERIALS): MARKET REVENUE, BY GEOGRAPHY, 2011 – 2018 (\$MILLION)

TABLE 42 BASF: ELECTROLYTE & ELECTROLYTE SOLVENTS

TABLE 43 ELECTROLYTE MATERIALS: MARKET VOLUME, BY GEOGRAPHY, 2011 – 2018 (TONS)

TABLE 44 ELECTROLYTE MATERIALS: MARKET REVENUE, BY GEOGRAPHY, 2011 – 2018 (\$MILLION)

TABLE 45 SEPARATOR PROPERTIES: BY PRODUCTS & MARKET LEADERS

TABLE 46 SEPARATOR MATERIALS: MARKET VOLUME, BY GEOGRAPHY, 2011 – 2018 (SQUARE METERS)

TABLE 47 SEPARATOR MATERIALS: MARKET REVENUE, BY GEOGRAPHY, 2011 – 2018 (\$MILLION)

TABLE 48 BINDERS & PACKAGING MATERIALS: MARKET REVENUE, 2011 - 2018 (\$MILLION)

TABLE 49 PRIMARY BATTERIES USED IN NEW ADVANCE MILITARY APPLICATIONS

TABLE 50 BATTERY MATERIALS: MARKET VOLUME, BY APPLICATIONS, 2011 – 2018 (TONS)

TABLE 51 BATTERY MATERIALS: MARKET REVENUE, BY APPLICATIONS, 2011 – 2018 (\$MILLION)

TABLE 52 LAPTOPS/NOTEBOOKS: MARKET VOLUME, BY GEOGRAPHY, 2011 – 2018 (TONS)

TABLE 53 LAPTOPS/NOTEBOOKS: MARKET REVENUE, BY GEOGRAPHY, 2011 – 2018 (\$MILLION)

TABLE 54 CELLULAR/MOBILE PHONES: MARKET VOLUME, BY GEOGRAPHY, 2011 – 2018 (TONS)

TABLE 55 CELLULAR/MOBILE PHONES: MARKET REVENUE, BY GEOGRAPHY, 2011 – 2018 (\$MILLION)

TABLE 56 AUTO & BATTERY COMPANIES JV

TABLE 57 ENERGY & EMISSIONS PER MILE COMPARISON

TABLE 58 AUTOMOTIVE MATERIALS: MARKET VOLUME, BY GEOGRAPHY, 2011 – 2018 (TONS)

TABLE 59 AUTOMOTIVE MATERIALS: MARKET REVENUE, BY GEOGRAPHY, 2011 – 2018 (\$MILLION)

TABLE 60 POWER TOOLS: MATERIALS MARKET VOLUME, BY GEOGRAPHY, 2011 – 2018 (TONS)

TABLE 61 POWER TOOLS: MARKET REVENUE, BY GEOGRAPHY, 2011 – 2018 (\$MILLION)

TABLE 62 HOUSEHOLD DEVICES: MARKET VOLUME, BY GEOGRAPHY, 2011 – 2018 (TONS)

TABLE 63 HOUSEHOLD DEVICES: MARKET REVENUE, BY GEOGRAPHY, 2011 –

2018 (\$MILLION)

TABLE 64 OTHERS: MARKET VOLUME, BY GEOGRAPHY, 2011 – 2018 (TONS)

TABLE 65 OTHERS: MARKET REVENUE, BY GEOGRAPHY, 2011 – 2018 (\$MILLION)

TABLE 66 NORTH AMERICAN COMPANIES & THEIR SUBSIDIARIES

TABLE 67 NORTH AMERICA: BATTERY MATERIALS MARKET VOLUME, BY APPLICATIONS, 2011 – 2018 (TONS)

TABLE 68 NORTH AMERICA: BATTERY MATERIALS MARKET REVENUE, BY APPLICATIONS, 2011 - 2018 (\$MILLION)

TABLE 69 NORTH AMERICA: BATTERY MATERIALS MARKET VOLUME, BY TYPES, 2011 – 2018 (TONS)

TABLE 70 NORTH AMERICA: BATTERY MATERIALS MARKET REVENUE, BY TYPES, 2011 – 2018 (\$MILLION)

TABLE 71 NORTH AMERICA: BATTERY MATERIALS MARKET VOLUME, BY COUNTRIES, 2011 – 2018 (TONS)

TABLE 72 NORTH AMERICA: BATTERY MATERIALS MARKET REVENUE, BY COUNTRIES, 2011 – 2018 (\$MILLION)

TABLE 73 EUROPEAN COMPANIES & THEIR SUBSIDIARIES

TABLE 74 EUROPE: BATTERY MATERIALS MARKET VOLUME, BY APPLICATIONS, 2011 – 2018 (TONS)

TABLE 75 EUROPE: BATTERY MATERIALS MARKET REVENUE, BY APPLICATIONS, 2011 – 2018 (\$MILLION)

TABLE 76 EUROPE: BATTERY MATERIALS MARKET VOLUME, BY TYPES, 2011 – 2018 (TONS)

TABLE 77 EUROPE: BATTERY MATERIALS MARKET REVENUE, BY TYPES, 2011 – 2018 (\$MILLION)

TABLE 78 EUROPE: BATTERY MATERIALS MARKET VOLUME, BY COUNTRIES, 2011 – 2018 (TONS)

TABLE 79 EUROPE: BATTERY MATERIALS MARKET REVENUE, BY COUNTRIES, 2011 – 2018 (\$MILLION)

TABLE 80 APAC: COMPANIES, BY LOCATION & SUBSIDIARIES

TABLE 81 APAC: BATTERY MATERIALS MARKET VOLUME, BY APPLICATIONS, 2011 – 2018 (TONS)

TABLE 82 APAC: BATTERY MATERIALS MARKET REVENUE, BY APPLICATIONS, 2011 – 2018 (\$MILLION)

TABLE 83 APAC: BATTERY MATERIALS MARKET VOLUME, BY TYPES, 2011 – 2018 (TONS)

TABLE 84 APAC: BATTERY MATERIALS MARKET REVENUE, BY TYPES, 2011 – 2018 (\$MILLION)

TABLE 85 APAC: BATTERY MATERIALS MARKET VOLUME, BY COUNTRIES, 2011 – 2018 (TONS)

TABLE 86 APAC: BATTERY MATERIALS MARKET REVENUE, BY COUNTRIES, 2011 - 2018 (\$MILLION)

TABLE 87 ROW: GLOBAL COMPANIES, BY LOCATION

TABLE 88 ROW: BATTERY MATERIALS MARKET VOLUME, BY APPLICATIONS, 2011 – 2018 (TONS)

TABLE 89 ROW: BATTERY MATERIALS MARKET REVENUE, BY APPLICATIONS, 2011 – 2018 (\$MILLION)

TABLE 90 ROW: BATTERY MATERIALS MARKET VOLUME, BY TYPES, 2011 – 2018 (TONS)

TABLE 91 ROW: BATTERY MATERIALS MARKET REVENUE, BY TYPES, 2011 – 2018 (\$MILLION)

TABLE 92 ROW: BATTERY MATERIALS MARKET VOLUME, BY COUNTRIES, 2011 – 2018 (TONS)

TABLE 93 ROW: BATTERY MATERIALS MARKET REVENUE, BY COUNTRIES, 2011 - 2018 (\$MILLION)

TABLE 94 MERGERS & ACQUISITIONS, 2010 – 2012

TABLE 95 NEW PRODUCTS LAUNCH, 2010 – 2012

TABLE 96 AGREEMENTS/PARTNERSHIPS/COLLABORATIONS/ JOINT VENTURES, 2010 – 2012

TABLE 97 EXPANSION & OTHER DEVELOPMENTS, 2010 – 2013

TABLE 98 3M: ANNUAL REVENUE, BY BUSINESS SEGMENTS, 2011 – 2012 (\$MILLION)

TABLE 99 3M: ANNUAL REVENUE, BY GEOGRAPHY, 2011 – 2012 (\$MILLION)

TABLE 100 3M: PRODUCTS & ITS APPLICATIONS

TABLE 101 ASAHI: ANNUAL REVENUE, BY BUSINESS SEGMENTS, 2011 – 2012 (\$MILLION)

TABLE 102 ASAHI: ANNUAL REVENUE, BY GEOGRAPHY, 2011 – 2012 (\$MILLION)

TABLE 103 BASF: ANNUAL REVENUE, BY BUSINESS SEGMENTS, 2011 – 2012 (\$MILLION)

TABLE 104 BASF: FUNCTIONAL SOLUTIONS BUSINESS SEGMENT ANNUAL REVENUE, 2011 – 2012 (\$MILLION)

TABLE 105 BASF: CATALYSTS BUSINESS SEGMENTS ANNUAL REVENUE, BY GEOGRAPHY, 2012 (\$MILLION)

TABLE 106 BASF: PRODUCTS & ITS APPLICATIONS

TABLE 107 CELGARD: PRODUCTS & ITS APPLICATIONS

TABLE 108 DU PONT: ANNUAL REVENUE, BY BUSINESS SEGMENTS, 2011 – 2012 (\$MILLION)

TABLE 109 DU PONT: PRODUCTS & ITS APPLICATIONS

TABLE 110 ECOPRO: ANNUAL REVENUE, BY BUSINESS SEGMENTS, 2011 – 2012 (\$MILLION)

TABLE 111 ECOPRO: PRODUCTS & ITS APPLICATIONS

TABLE 112 ENTEK: PRODUCTS & ITS APPLICATIONS

TABLE 113 HITACHI: ANNUAL REVENUE, BY BUSINESS SEGMENTS, 2011 – 2012 (\$MILLION)

TABLE 114 HITACHI: ANNUAL REVENUE, BY GEOGRAPHY, 2011 – 2012 (\$MILLION)

TABLE 115 KUREHA: ANNUAL REVENUE, BY BUSINESS SEGMENTS, 2011 – 2012 (\$MILLION)

TABLE 116 KUREHA: ANNUAL REVENUE, BY GEOGRAPHY, 2011 – 2012 (\$MILLION)

TABLE 117 KUREHA: PRODUCTS & ITS APPLICATIONS

TABLE 118 MISTUBISHI: ANNUAL REVENUE, BY BUSINESS SEGMENTS, 2011 – 2012 (\$MILLION)

TABLE 119 MISTUBISHI: ANNUAL REVENUE, BY GEOGRAPHY, 2011 – 2012 (\$MILLION)

TABLE 120 PRODUCTS & ITS APPLICATIONS

TABLE 121 NIPPON DENKO: NET REVENUE, BY BUSINESS SEGMENTS, 2011 – 2012 (\$MILLION)

TABLE 122 NIPPON DENKO: PRODUCTS & ITS APPLICATIONS

TABLE 123 NINGBO SHANSHAN: ANNUAL REVENUE, BY BUSINESS SEGMENTS, 2011 – 2012 (\$MILLION)

TABLE 124 NINGBO SHANSHAN: CATHODE PRODUCTS & ITS APPLICATIONS

TABLE 125 NINGBO SHANSHAN: ANODE PRODUCTS & ITS APPLICATIONS

TABLE 126 NINGBO SHANSHAN: ELECTROLYTE PRODUCTS & ITS APPLICATIONS

TABLE 127 NINGBO SHANSHAN: SEPARATOR PRODUCTS & ITS APPLICATIONS

TABLE 128 TARGRAY: PRODUCTS & ITS APPLICATIONS

TABLE 129 DOW: ANNUAL REVENUE, BY BUSINESS SEGMENTS, 2010 – 2011 (\$MILLION)

TABLE 130 DOW: ANNUAL REVENUE, BY GEOGRAPHY, 2010 – 2011 (\$MILLION)

TABLE 131 DOW: PRODUCTS & ITS APPLICATIONS

TABLE 132 TODA KOGYO: ANNUAL REVENUE, BY BUSINESS SEGMENTS, 2011 – 2012 (\$MILLION)

TABLE 133 TODA KOGYO CORPORATION: ANNUAL REVENUE, BY GEOGRAPHY, 2011 – 2012 (\$MILLION)

TABLE 134 TODA KOGYO: PRODUCTS & ITS APPLICATIONS

TABLE 135 UBE INDUSTRIES: ANNUAL REVENUE, BY BUSINESS SEGMENTS,
2011 – 2012 (\$MILLION)

TABLE 136 UBE INDUSTRIES: ANNUAL REVENUE, BY GEOGRAPHY, 2011 – 2012
(\$MILLION)

TABLE 137 UBE INDUSTRIES: PRODUCTS & ITS APPLICATIONS

TABLE 138 UMICORE: ANNUAL REVENUE, BY BUSINESS SEGMENTS, 2011 –
2012 (\$MILLION)

TABLE 139 UMICORE: ANNUAL REVENUE, BY GEOGRAPHY, 2011 – 2012
(\$MILLION)

TABLE 140 UMICORE: PRODUCTS & ITS APPLICATIONS

List Of Figures

LIST OF FIGURES

FIGURE 1 MARKET LIFE CYCLE ANALYSIS, BY GEOGRAPHY

FIGURE 2 ANODE MATERIALS: MARKET SHARE, BY GEOGRAPHY, 2012

FIGURE 3 CATHODE MATERIALS: MARKET SHARE COMPARISON, BY GEOGRAPHY, 2012

FIGURE 4 BATTERY MATERIALS: MARKET VALUE COMPARISON, BY APPLICATIONS, 2012 – 2018

FIGURE 5 STRUCTURE OF LITHIUM ION CELL

FIGURE 6 VOLUMETRIC ENERGY DENSITY (WH/KG) VS GRAVIMETRIC ENERGY DENSITY (WH/L)

FIGURE 7 LITHIUM BATTERY: MATERIALS' MARKET SEGMENTATION

FIGURE 8 LITHIUM BATTERY: TYPES OF MATERIALS USED

FIGURE 9 VALUE CHAIN ANALYSIS, BY MANUFACTURERS OF MATERIALS

FIGURE 10 DRIVERS & RESTRAINTS

FIGURE 11 LI-S BATTERY: PROJECTS & INVESTMENT, BY COMPANIES

FIGURE 12 DRO'S IMPACT ANALYSIS

FIGURE 13 PORTER'S FIVE FORCES ANALYSIS FOR BATTERY MATERIALS MARKET

FIGURE 14 CATHODE MATERIALS: MARKET SHARE, BY COMPANIES, 2012

FIGURE 15 ANODE MATERIALS: MARKET SHARE, BY COMPANIES, 2012

FIGURE 16 ELECTROLYTE MATERIALS: MARKET SHARE, BY COMPANIES, 2012

FIGURE 17 SEPARATOR MATERIALS: MARKET SHARE, BY COMPANIES, 2012

FIGURE 18 PATENT ANALYSIS, BY COMPANY, 2010 – 2013

FIGURE 19 PATENT ANALYSIS, BY GEOGRAPHY, 2010 – 2013

FIGURE 20 ANNUAL PATENT ANALYSIS, BY REGIONS, 2010 – 2013

FIGURE 21 TECHNOLOGY ADVANCEMENT IN ANODE MATERIALS

FIGURE 22 TECHNOLOGY ADVANCEMENT: CATHODE MATERIALS

FIGURE 23 LITHIUM ION CATHODE MATERIALS TECHNOLOGY ANALYSIS

FIGURE 24 BATTERY MATERIALS: MARKET SHARE, BY GEOGRAPHY, 2012 – 2018

FIGURE 25 NORTH AMERICA: MARKET SHARE, BY COUNTRIES, 2012

FIGURE 26 EUROPE: MARKET SHARE, BY COUNTRIES, 2012

FIGURE 27 APAC: MARKET SHARE, BY COUNTRIES, 2012

FIGURE 28 GLOBAL BATTERY MATERIALS: MAJOR DEVELOPMENTS, BY GROWTH STRATEGIES, 2010 – 2013

FIGURE 29 BATTERY MATERIALS: MAJOR DEVELOPMENTS, BY COMPANIES,

2010 – 2013

FIGURE 30 BATTERY MATERIALS: NUMBER OF DEVELOPMENTS, BY GROWTH STRATEGIES, 2010 – 2013

I would like to order

Product name: Battery Materials Market - By Types (Cathode, Anode, Electrolyte, Separator, Binders, Packaging Material), Applications & Geography - Trends & Forecasts To 2018

Product link: <https://marketpublishers.com/r/B4B7BAC7FE0EN.html>

Price: US\$ 5,650.00 (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/B4B7BAC7FE0EN.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

