

# **Global Lithium Ion Battery (LIB) Electrolyte Solution Market: Size, Trends & Forecasts (2019-2023)**

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## **Abstracts**

The report entitled "Global Lithium Ion Battery (LIB) Electrolyte Solution Market Reports: Size, Trends & Forecasts (2019-2023)" provides a comprehensive analysis of the global LIB Electrolyte solution market by value, by product type and by region. The report also provides a detailed regional analysis of the LIB electrolyte solution market, including the following regions: Asia-Pacific, Europe, North America, Middle East and Africa, South America, and Rest of World (ROW).

Moreover, the report also assesses the key opportunities in the market and outlines the factors that are and will be driving the growth of the industry. Growth of the overall global LIB electrolyte solution market has forecasted for the period 2019-2023, taking into consideration the previous growth patterns, the growth drivers and the current and future trends.

The global LIB electrolyte solution market is highly fragmented with many LIB electrolyte solution market players operating worldwide. Some market players operate on a local level while other players operate on a regional and global level. Further, key players of the market are Mitsubishi Chemical Holdings Corporation, Shenzhen Capchem Technology Co. Ltd., UBE Industries Ltd., Dongwha Enterprise Co. Ltd. (PANAX-ETEC) are also profiled with their financial information and respective business strategies.

### **Country Coverage**

1. Asia-Pacific
2. Europe
3. North America
4. Middle East and Africa (MEA)

- 5. South America
- 6. Rest of World (ROW)

#### Company Coverage

- 1. Mitsubishi Chemical Holdings Corporation
- 2. Shenzhen Capchem Technology Co. Ltd.
- 3. UBE Industries Ltd.
- 4. Dongwha Enterprise Co. Ltd. (PANAX-ETEC)

#### Executive Summary

Lithium ion battery (LIB) is a type of rechargeable battery which has high energy density and uses lithium ions as the main component of its electrolyte. During the charging, lithium ions move from positive electrode to negative electrode while the opposite happens in case of discharging of battery. LIBs can be categorized into four materials namely, anode, cathode, electrolyte solution, and separator. Electrolyte solution being one of the important components of the LIBs is a solution comprising of ions or atoms or molecules.

Electrolyte solution, also known as ionic solution helps in the movement of lithium ions between cathode and anode. Electricity generation takes place with the help of lost or gained electrons. The ions present in the solution neutralizes the charges, allowing the electrons to keep flowing and the reactions to continue.

The main characteristics of LIB electrolyte solution include: Electric Conductor, High Purity, Cycle Life, and Stability. The LIB electrolyte solution market can be segmented on the basis of product type (Solid LIB Electrolyte, Liquid LIB Electrolyte, and Others); Type of Lithium Salts (LiTFSI, LiPF<sub>6</sub>, LiBF<sub>4</sub>, and LiClO<sub>4</sub>); and End-users (Consumer Electronics, Automobile, Industrial, and Others).

The global LIB electrolyte solution market has increased significantly during the years 2016-2018 and projections are made that the market would rise in the next four years i.e. 2019-2023 tremendously. The LIB electrolyte solution market is expected to increase due to rising number of smartphone users, increase in GNI per capita, growing demand for lithium ion batteries in electric vehicles, increasing government initiatives, fall in the price of lithium ion batteries, rapid urbanization, etc. Yet the market faces some challenges such as potential hazards of shipping lithium ion batteries, raw material instability, etc.

## Contents

### 1. EXECUTIVE SUMMARY

### 2. INTRODUCTION

#### 2.1 Lithium Ion Battery (LIB): An Overview

##### 2.1.1 Lithium Ion Battery Composition

#### 2.2 LIB Electrolyte Solution: An Overview

##### 2.2.1 LIB Electrolyte Solution Types

##### 2.2.2 LIB Electrolyte Solution Characteristics

#### 2.3 LIB Electrolyte Solution Segmentation: An Overview

##### 2.3.1 LIB Electrolyte Solution Segmentation by Product Type

##### 2.3.2 LIB Electrolyte Solution Segmentation by Type of Lithium Salts

##### 2.3.3 LIB Electrolyte Solution Segmentation by End-Users

### 3. GLOBAL MARKET ANALYSIS

#### 3.1 Global LIB Electrolyte Solution Market: An Analysis

##### 3.1.1 Global LIB Electrolyte Solution Market by Value

##### 3.1.2 Global LIB Electrolyte Solution Market by Product Type (Liquid LIB Electrolyte Solution, Solid LIB Electrolyte Solution, and Others LIB Electrolyte Solution)

##### 3.1.3 Global LIB Electrolyte Solution Market by Region (Asia-Pacific, Europe, North America, Middle East and Africa (MEA), South America, and Rest of World (ROW))

#### 3.2 Global LIB Electrolyte Solution Market: Product Type Analysis

##### 3.2.1 Global Liquid LIB Electrolyte Solution Market by Value

##### 3.2.2 Global Solid LIB Electrolyte Solution Market by Value

##### 3.2.3 Global Others LIB Electrolyte Solution Market by Value

### 4. REGIONAL MARKET ANALYSIS

#### 4.1 Asia-Pacific LIB Electrolyte Solution Market: An Analysis

##### 4.1.1 Asia-Pacific LIB Electrolyte Solution Market by Value

#### 4.2 Europe LIB Electrolyte Solution Market: An Analysis

##### 4.2.1 Europe LIB Electrolyte Solution Market by Value

#### 4.3 North America LIB Electrolyte Solution Market: An Analysis

##### 4.3.1 North America LIB Electrolyte Solution Market by Value

#### 4.4 Middle East and Africa (MEA) LIB Electrolyte Solution Market: An Analysis

##### 4.4.1 Middle East and Africa (MEA) LIB Electrolyte Solution Market by Value

#### 4.5 South America LIB Electrolyte Solution Market: An Analysis

##### 4.5.1 South America LIB Electrolyte Solution Market by Value

#### 4.6 Rest of World (ROW) LIB Electrolyte Solution Market: An Analysis

##### 4.6.1 ROW LIB Electrolyte Solution Market by Value

### **5. MARKET DYNAMICS**

#### 5.1 Growth Drivers

##### 5.1.1 Rising Number of Smartphone Users

##### 5.1.2 Increase in GNI Per Capita

##### 5.1.3 Growing Demand for Lithium Ion Batteries in Electric Vehicles

##### 5.1.4 Increasing Government Initiatives

##### 5.1.5 Fall in Prices of Lithium Ion Batteries

##### 5.1.6 Rapid Urbanization

#### 5.2 Challenges

##### 5.2.1 Potential Hazards of Shipping Lithium Ion Batteries

##### 5.2.2 Raw Material Instability

#### 5.3 Market Trends

##### 5.3.1 Growing Popularity of Lithium Ion Secondary Battery

##### 5.3.2 Introduction of Next Generation Lithium Ion Batteries and Electrolytes

##### 5.3.3 Shifting Preference towards Eco-friendly Batteries

### **6. COMPETITIVE LANDSCAPE**

#### 6.1 Global LIB Electrolyte Solution Market: A Financial Comparison

#### 6.2 Global Battery Electrolyte Solution Market Players by Share

### **7. COMPANY PROFILES**

#### 7.1 Mitsubishi Chemical Holdings Corporation

##### 7.1.1 Business Overview

##### 7.1.2 Financial Overview

##### 7.1.3 Business Strategy

#### 7.2 Shenzhen Capchem Technology Co. Ltd.

##### 7.2.1 Business Overview

##### 7.2.2 Business Strategy

#### 7.3 UBE Industries Ltd.

##### 7.3.1 Business Overview

##### 7.3.2 Financial Overview

### 7.3.3 Business Strategy

## 7.4 Dongwha Enterprise Co. Ltd. (PANAX-ETEC)

### 7.4.1 Business Overview

### 7.4.2 Business Strategy

## List Of Figures

### LIST OF FIGURES

Figure 1: Lithium Ion Battery (LIB) Composition

Figure 2: LIB Electrolyte Solution Types

Figure 3: LIB Electrolyte Solution Characteristics

Figure 4: LIB Electrolyte Solution Segmentation by Product Type

Figure 5: LIB Electrolyte Solution Segmentation by Type of Lithium Salts

Figure 6: LIB Electrolyte Solution Segmentation by End-Users

Figure 7: Global LIB Electrolyte Solution Market by Value; 2016-2018 (US\$ Million)

Figure 8: Global LIB Electrolyte Solution Market by Value; 2019-2023 (US\$ Billion)

Figure 9: Global LIB Electrolyte Solution Market by Product Type; 2018 (Percentage, %)

Figure 10: Global LIB Electrolyte Solution Market by Region; 2018 (Percentage, %)

Figure 11: Global Liquid LIB Electrolyte Solution Market by Value; 2016-2018 (US\$ Million)

Figure 12: Global Liquid LIB Electrolyte Solution Market by Value; 2019-2023 (US\$ Billion)

Figure 13: Global Solid LIB Electrolyte Solution Market by Value; 2016-2018 (US\$ Million)

Figure 14: Global Solid LIB Electrolyte Solution Market by Value; 2019-2023 (US\$ Billion)

Figure 15: Global Others LIB Electrolyte Solution Market by Value; 2016-2018 (US\$ Million)

Figure 16: Global Others LIB Electrolyte Solution Market by Value; 2019-2023 (US\$ Million)

Figure 17: Asia-Pacific LIB Electrolyte Solution Market by Value; 2017-2018 (US\$ Million)

Figure 18: Asia-Pacific LIB Electrolyte Solution Market by Value; 2019-2023 (US\$ Billion)

Figure 19: Europe LIB Electrolyte Solution Market by Value; 2017-2018 (US\$ Million)

Figure 20: Europe LIB Electrolyte Solution Market by Value; 2019-2023 (US\$ Million)

Figure 21: North America LIB Electrolyte Solution Market by Value; 2017-2018 (US\$ Million)

Figure 22: North America LIB Electrolyte Solution Market by Value; 2019-2023 (US\$ Million)

Figure 23: MEA LIB Electrolyte Solution Market by Value; 2017-2018 (US\$ Million)

Figure 24: MEA LIB Electrolyte Solution Market by Value; 2019-2023 (US\$ Million)

Figure 25: South America LIB Electrolyte Solution Market by Value; 2017-2018 (US\$ Million)

Million)

Figure 26: South America LIB Electrolyte Solution Market by Value; 2019-2023 (US\$ Million)

Figure 27: ROW LIB Electrolyte Solution Market by Value; 2017-2018 (US\$ Million)

Figure 28: ROW LIB Electrolyte Solution Market by Value; 2019-2023 (US\$ Million)

Figure 29: Global Number of Smartphone Users; 2016-2021 (Billion)

Figure 30: Global GNI Per Capita; 2014-2018 (US\$ Thousand)

Figure 31: Global Electric Vehicles Lithium Ion Battery Demand; 2014-2020 (Gigawatt Hours)

Figure 32: Government Initiatives in Different Regions

Figure 33: Global Lithium Ion Battery Pack Price; 2014-2022 (US\$/KWH)

Figure 34: Global Urban Population by Region; 2014-2018 (Percentage, %)

Figure 35: Global Lithium Ion Secondary Battery Market Size; 2016-2020 (US\$ Billion)

Figure 36: Global Battery Electrolyte Solution Market Players by Share; 2018 (Percentage, %)

Figure 37: Mitsubishi Chemical Holdings Corporation Business Segments

Figure 38: Mitsubishi Chemical Holdings Corporation Sales Revenue; 2015-2018 (US\$ Billion)

Figure 39: Mitsubishi Chemical Holdings Corporation Sales Revenue by Segments; 2018 (Percentage, %)

Figure 40: Mitsubishi Chemical Holdings Corporation Sales Revenue by Region; 2018 (Percentage, %)

Figure 41: Shenzhen Capchem Technology Co. Ltd. Products

Figure 42: UBE Industries Ltd. Business Segments

Figure 43: UBE Industries Ltd. Net Sales; 2015-2019 (US\$ Billion)

Figure 44: UBE Industries Ltd. Net Sales by Segments; 2019 (Percentage, %)

Figure 45: UBE Industries Ltd. Net Sales by Region; 2019 (Percentage, %)

Figure 46: Dongwha Enterprise Co. Ltd. Business Segments

Table 1: Global LIB Electrolyte Solution: A Financial Comparison; 2018/2019

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