STUDY GOAL AND OBJECTIVES

This report provides the industry executives with strategically significant competitor information, analysis, insight and projection on the competitive pattern and key companies in the industry, crucial to the development and implementation of effective business, marketing and R&D programs.

REPORT OBJECTIVES

◆ To establish a comprehensive, factual, annually updated and cost-effective information base on market size, competition patterns, market segments, goals and strategies of the leading players in the market, reviews and forecasts.
◆ To assist potential market entrants in evaluating prospective acquisition and joint venture candidates.
◆ To complement the organizations’ internal competitor information gathering efforts with strategic analysis, data interpretation and insight.
◆ To suggest for concerned investors in line with the current development of this industry as well as the development tendency.
◆ To help company to succeed in a competitive market, and

METHODOLOGY

Both primary and secondary research methodologies were used in preparing this study. Initially, a comprehensive and exhaustive search of the literature on this industry was conducted. These sources included related books and journals, trade literature, marketing literature, other product/promotional literature, annual reports, security analyst reports, and other publications. Subsequently, telephone interviews or email correspondence was conducted with marketing executives etc. Other sources included related magazines, academics, and consulting companies.

INFORMATION SOURCES

The primary information sources include Company Reports, and National Bureau of Statistics of China etc.
Abstract

As one of the four key materials, electrolyte is mixed in certain proportions of solvent, electrolyte, and additives. It is mainly used in the fields such as consumer electronics, electric vehicles, and energy storage devices.

Globally, lithium battery electrolyte, which originated in the 1990s, has long been monopolized by Japanese and South Korean manufacturers. With the growth of Chinese electrolyte manufacturers and domestic production of lithium hexafluorophosphate, the foreign capacity of lithium battery electrolyte has been gradually shifted to China, with the capacity in China for 2014 accounting for 53.3% of the global total.

The global consumer electronics have the largest demand for lithium battery electrolyte, occupying 80.7% in 2013, followed by the demand from electric vehicles, sharing 13.5% in 2013. It is projected that amid the slowed growth in demand from consumer electronics and rapid expansion in EV demand, the EV’s demand for lithium battery electrolyte will exceed consumer electronics’ in 2018.
In order to improve the battery energy density to increase EV driving range, high-voltage cathode materials will be mainly developed. Therefore, the corresponding high-voltage electrolyte will become the main trend for future electrolyte development. Globally, 4.2-4.35V high-voltage electrolyte has now become mature; 4.4-4.5V high-voltage electrolyte is being marketed; and 5V high-voltage electrolyte is under development. Additive formula is a major technological means to obtain high-voltage electrolyte and thus become a top priority of investment. The gap in solvents and additives between Chinese and foreign manufacturers is narrowing.

World’s influential lithium electrolyte producers consist of Ukseung, LG CHEM, Mitsubishi Chemical, UBE Industries, Guotai Huarong, and Capchem, etc. In 2013, the sales volume of lithium battery electrolyte globally amounted to 61,000 tons, 9.5% of which came from Ukseung, making it the world’s No. 1. And Guotai Huarong, the largest lithium battery electrolyte manufacturer in China, represented 8.5% of the global total, ranking the third place worldwide.

**Ukseung:** the company’s biggest lithium electrolyte client is Samsung SDI (a global leader in small-sized lithium batteries). In 2013, Ukseung sold 57.7% of its products to Samsung SDI. In addition, the company shared some of its electrolyte patents with Samsung SDI.

**UBE Industries:** the company has gradually transferred electrolytic capacity to China. In 2013, UBE Industries (24.5%), together with HNEC (51.0%), HighChem (24.5%), established a joint-venture electrolyte raw material (DMC) production company in Puyang city, Henan province, with production capacity of 100kt/a.

**Guotai Huarong:** In September 2014, a 5kt/a lithium battery electrolyte project was completed and received final acceptance. Thus, the company’s lithium battery electrolyte capacity was expanded to 10kt/a.

**Capchem:** In July 2014, the company acquired a 76% stake in Zhangjiagang Hicomer Chemical Co., Ltd., a company that produces lithium battery additives, for RMB27.97 million, hoping to improve electrolyte industry chain.
Guangzhou Tinci: In September 2014, the company publicly offered shares for raising funds in an attempt to purchase a 100% interest in Dongguan Kaixin. When the acquisition is completed, the company will successfully enter ATL lithium battery industry chain.

Global and China Lithium Battery Electrolyte Industry Report, 2014-2018 by ResearchInChina highlights the following:
- Development history, market size, competition pattern, etc of lithium battery electrolyte worldwide;
- Status quo, market size, competitive landscape, etc of lithium battery electrolyte industry in China;
- Lithium hexafluorophosphate market size and competition pattern in China and beyond, and downstream applications of lithium battery electrolyte, etc.;
- Lithium battery market size, market structure, competitive landscape, etc in China and the World;
- Operation, revenue structure, layout in China, etc of seven foreign lithium battery electrolyte manufacturers;
- Operation, revenue structure, competitive edges, etc of ten Chinese lithium battery electrolyte producers.
# Overview of Lithium Battery Electrolyte Industry

## 1 Overview of Lithium Battery Electrolyte Industry

### 1.1 Definition

### 1.2 Classification

### 1.3 Industry’s Core Competitiveness

## 2 Status Quo of Global Lithium Battery Electrolyte Industry

### 2.1 Development History

### 2.2 Market Size

### 2.3 Market Structure

### 2.4 Major Producers

#### 2.4.1 Japan

#### 2.4.2 South Korea

### 2.5 Development Trend

## 3 Status Quo of Lithium Battery Electrolyte Industry in China

### 3.1 Current Situation

### 3.2 Market Size

### 3.3 Competitive Landscape

## 4 Upstream and Downstream Segments of Lithium Battery Electrolyte Industry

### 4.1 Lithium Hexafluorophosphate

#### 4.1.1 Current Situation

#### 4.1.2 Market Size

#### 4.1.3 Competitive Landscape

### 4.2 Downstream Applications

#### 4.2.1 Consumer Electronics

#### 4.2.2 Electric Vehicle

#### 4.2.3 Industrial Energy-storage Market

## 5 Status Quo of Lithium Battery Market

### 5.1 Market Size

#### 5.1.1 Global

#### 5.1.2 China

### 5.2 Market Structure

#### 5.2.1 Global

#### 5.2.2 China

### 5.3 Competition Pattern

#### 5.3.1 Global

#### 5.3.2 China

## 6 Key Foreign Lithium Battery Electrolyte Manufacturers

### 6.1 Mitsubishi Chemical Corporation

#### 6.1.1 Profile

#### 6.1.2 Development History and Prospects

#### 6.1.3 Production Base

#### 6.1.4 Lithium Battery Electrolyte Business

#### 6.1.5 Layout in China

#### 6.1.6 Operation

#### 6.1.7 Products, Technologies, and Solutions

### 6.2 UBE Industries, Ltd.

#### 6.2.1 Profile

#### 6.2.2 Affiliates

#### 6.2.3 Development History and Prospects

#### 6.2.4 Main Products

#### 6.2.5 Lithium Battery Electrolyte Business

#### 6.2.6 Operation

### 6.3 Ukseung Chemical Co., Ltd.

#### 6.3.1 Profile

#### 6.3.2 Development History

#### 6.3.3 Lithium Battery Electrolyte Business

#### 6.3.4 Operation

### 6.4 LG Chem

#### 6.4.1 Profile

#### 6.4.2 Development History and Prospects

#### 6.4.3 Lithium Battery Electrolyte Business

#### 6.4.4 Operation

### 6.5 Other Enterprises

#### 6.5.1 Novolyte Technologies

#### 6.5.2 BSF

#### 6.5.3 Mitsui Chemicals, Inc.

## 7 Major Chinese Lithium Battery Electrolyte Manufacturers

### 7.1 Zhangjiagang Guotai Huarong Chemical New Material Co., Ltd.

#### 7.1.1 Profile

#### 7.1.2 Affiliates

#### 7.1.3 Development History and Prospects

#### 7.1.4 Products, Technologies, and Solutions

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• Key Composition of Lithium ion Battery
• Electrolyte Composition
• Varieties of Lithium Battery Electrolyte
• Sales Volume and Growth Rate of Global Lithium Battery Electrolyte, 2011-2018E
• Sales Structure of Global Lithium Battery Electrolyte by Region, 2011-2014
• Sales Volume of Key Global Lithium Battery Electrolyte Manufacturers and Their Major Customers, 2013
• Sales Volume of Lithium Battery Electrolyte in Japan, 2011-2014
• Sales Volume of Lithium Battery Electrolyte in South Korea, 2011-2014
• Proportion of China's Lithium Battery Electrolyte in Global Total by Sales Volume, 2011-2018E
• Sales Volume and Growth Rate of Lithium Battery Electrolyte in China, 2011-2018E
• Revenue and Capacity of Lithium Battery Electrolyte Manufacturers in China, 2014
• Competitive Landscape of Lithium Battery Electrolyte Market in China, 2013
• Production Process of Lithium Hexafluorophosphate
• Domestic and Foreign Technical Differences of Lithium Hexafluorophosphate
• Cost Structure of Electrolyte
• Distribution of Lithium Hexafluorophosphate Patents in China, 2014
• Sales Volume of Lithium Hexafluorophosphate in China and the World, 2011-2014
• Competitive Landscape of Global Lithium Hexafluorophosphate Enterprises, 2013
• Capacity of Major Global Lithium Hexafluorophosphate Manufacturers, 2014
• Lithium Hexafluorophosphate Projects of Major Chinese Manufacturers, 2014
• Production Cost Structure of Lithium Hexafluorophosphate
• Price Trend in Lithium Hexafluorophosphate Worldwide, 2009-2016E
• Lithium Battery Industry Chain
• Demand Structure of Global Lithium Batteries, 2012-2016E
• Sales Volume and Growth Rate of Global Consumer Electronics Lithium-ion Batteries, 2012-2016E
Selected Charts

- Sales Volume of Global Mobile Phones and Demand for Lithium Battery, 2010-2014
- Sales Volume of Global Tablet PCs and Demand for Lithium Battery, 2012-2014
- Shipments of Major Global Tablet PC Manufacturers, 2013-2014
- Sales Volume of Global NB PCs and Demand for Lithium Battery, 2012-2014
- Sales Volume of Global Electronic Cigarettes and % of Total, 2012-2020E
- Sales Volume of Global Electric Vehicles, 2010-2050E
- Battery Capacity and Battery Life of Major Global Electric Vehicles
- Demand for Power Battery from Global Electric Vehicles, 2008-2015E
- Proportion of Electric Vehicles in China in Global Total by Sales Volume, 2011-2015E
- Industry Scale of Power Lithium Batteries and % of Total Lithium Batteries, 2010-2016E
- Lithium Battery Structure
- Sales Volume of Global Lithium Batteries, 2011-2014
- Sales Volume and Market Size of Lithium Batteries in China, 2008-2014
- Export Volume and Export Value of Lithium Batteries in China, 2007-2014
- Market Structure of Global Lithium Batteries by Application, 2009-2014
- Proportion of Lithium Batteries Sold in China, Japan, and South Korea in Global Total, 2011-2013
- Sales Structure of Lithium Batteries in China by Province/Municipality, 2013
- Competitive Landscape of Small-sized Lithium Battery Manufacturers, 2013
- Shares for Manufacturers of Battery for New-energy Passenger Vehicles, 2013-2014
- Competitive Landscape of Lithium Battery Industry in China, 2012-2013
- Competitive Landscape of Lithium Battery Manufacturers in China, 2014
Selected Charts

- Export Value of Key Lithium Battery Exporters in China, 2013
- Global Marketing Network of Mitsubishi Chemical
- Development History of Mitsubishi Chemical, 1934-2013
- Distribution of Mitsubishi Chemical's Major Production Bases
- Mitsubishi Chemical's Sales Volume of Lithium Battery Electrolyte, FY2010-FY2014
- Main Layout of Mitsubishi Chemical in China
- Revenue and Operating Income of Mitsubishi Chemical, FY2008-FY2013
- UBE Industries’ Main Affiliates
- Development History of UBE Industries, 1897-2014
- UBE Industries’ Main Products
- UBE Industries’ Sales Volume of Lithium Battery Electrolyte, FY2010-FY2014
- UBE Industries’ Main Specialty Chemical Production Bases
- Revenue and Operating Income of UBE Industries, FY2009-FY2014
- Ukseung's Location
- Ukseung’s Development History
- Ukseung’s Sales Volume of Lithium Battery Electrolyte, 2011-2014
- Current Situation of Ukseung’s Lithium Battery Electrolyte Patent, 2014
- Global Marketing Network of LG CHEM
- LGC’s Equity Structure, 2013
- Development History of LG CHEM
- LG CHEM’s Information Electronic Materials Business
- Sales Structure of LG CHEM’s Lithium Battery Electrolyte by Product
- LG CHEM’s Operation, 2011-2013
- Revenue Structure of LG CHEM by Product, 2013
- LGC’s Revenue Structure by Region, 2013
Selected Charts

- LG CHEM’s Output by Region, 2011-2013
- BSF’s Layout in Asia-Pacific
- BSF’s Lithium Battery Material Production Base
- Global Layout of Mitsui Chemicals
- Guotai Huarong’s Affiliates
- Development History of Guotai Huarong, 2000-2014
- Guotai Huarong’s Main Products
- Guotai Huarong’s Products to be Developed
- Supported Clients of Guotai Huarong’s Lithium Battery Electrolyte
- Guotai Huarong’s Sales Volume and Revenue from Lithium Battery Electrolyte, 2011-2014
- Revenue and Net Income of Guotai Huarong, 2008-2014
- Capchem’s Affiliates
- Capchem’s Development History, 2002-2014
- Capchem’s Major Lithium Battery Electrolyte Products
- Capchem’s R&D Investment, 2011-2013
- Supported Clients of Capchem’s Lithium Battery Electrolyte
- Capchem’s Lithium Battery Electrolyte Capacity, 2011-2013
- Capchem’s Production Bases and Marketing Network
- Capchem’s Sales Volume and Growth Rate of Lithium Battery Electrolyte, 2006-2014
- Capchem’s Revenue from Lithium Battery Electrolyte, 2011-2014
- Revenue and Net Income of Capchem, 2009-2014
- Tianjin Jinniu’s Affiliates
- Development History of Tianjin Jinniu
- Tianjin Jinniu’s Supported Lithium Battery Electrolyte Clients
- Tianjin Jinniu’s Sales Volume of Lithium Battery Electrolyte, 2011-2014
Selected Charts

- Dongguan Shanshan’s Affiliates
- Development History of Dongguan Shanshan
- Dongguan Shanshan’s Major Electrolyte Products
- Supported Clients of Dongguan Shanshan’s Lithium Battery Electrolyte
- Dongguan Shanshan’s Suppliers
- Dongguan Shanshan’s Sales Volume of Lithium Battery Electrolyte, 2009-2013
- Revenue and Net Income of Dongguan Shanshan, 2009-2014
- Guangzhou Tinci’s Affiliates
- Guangzhou Tinci’s Development History
- Guangzhou Tinci’s Main Products
- Supported Clients of Guangzhou Tinci’s Lithium Battery Electrolyte
- Guangzhou Tinci’s Marketing Network in China
- Guangzhou Tinci’s Capacity of Lithium Battery Electrolyte
- Guangzhou Tinci’s Sales Volume and Goss Margin of Lithium Battery Electrolyte, 2010-2014
- Revenue and Net Income of Guangzhou Tinci, 2009-2014
- Revenue and Net Income of Dongguan Kaixin, 2012-2014
- Growth Rate of Lithium Battery Electrolyte Output in China and Worldwide, 2012-2018E
- Output Structure of Global Lithium Battery Electrolyte, 2013
- Revenue Growth Rate of Major Global Lithium Battery Electrolyte Manufacturers, 2009-2014
- Market Share of Major Global Lithium Battery Electrolyte Manufacturers, 2013
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