



**Global and China Electronic Chemicals
Industry Report, 2014-2017**

Aug. 2014

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

Electronic chemicals refer to a variety of chemicals and materials used in electronic components, printed circuit boards, consumer electronics and other industrial products. This report focuses on analyzing photoresist & its special chemicals and capacitor chemicals as well as maleic anhydride derivatives used in printed circuit boards, flat panel displays and semiconductors.

1 Photoresist

Photoresist is mainly used for fine graphics processing in PCB, LCD, semiconductor and other areas. In 2013, the global photoresist market scale reached approximately RMB40 billion, mainly held by Japanese, American, South Korean and Taiwanese enterprises. Take PCB photoresist market for example: in 2013, the combined market share of Asahi Kasei, Hitachi Chemical and Taiwan Eternal Chemical in the PCB dry film photoresist market was more than 80%; Taiyo Ink enjoyed a share of more than 50% in the PCB solder mask ink market.

China photoresist market is growing rapidly. In 2013, the share of China PCB photoresist market size in the global total rose to 64.3%; while the share of China LCD and semiconductor photoresist market scale was less than one-third of the world's total, and the development space is still large. China photoresist market is almost occupied by foreign companies; market share of Chinese counterparts was less than 10%, mainly including photoresist special chemical manufacturer Changzhou Tronly New Electronic Materials Co., Ltd., semiconductor g-line/i-line photoresist producer Beijing Kempur Microelectronics.Inc.

Major Global PCB Photoresist and Specialty Chemicals Manufacturers



Source: Global and China Electronic Chemicals Industry Report, 2014-2017 by ResearchInChina

2 Capacitor chemicals

Capacitor chemicals are one of key raw materials to produce aluminum electrolytic capacitors, solid polymer capacitors and supercapacitors. In 2013, the global capacitor chemicals market size approximated RMB7 billion, with products mainly produced by Japanese, European, American and Chinese manufacturers, such as Sanyo Chemical Industries, Honeywell, and Shenzhen Capchem Technology.

China aluminum electrolytic capacitor chemicals industry is fairly mature, with its market scale making up about 50% of the global total in 2013, and chiefly dominated by Shenzhen Capchem Technology and foreign-funded enterprises.

3 Maleic Anhydride Derivatives

Maleic anhydride derivatives are mainly used for the packaging of electronic components. In 2013, global demand for maleic anhydride derivatives reached approximately 250 kt, the varieties that have larger demand are Methyl tetrahydrophthalic anhydride and

tetrahydrophthalic anhydride, main producers of which include Italian Polynt, New Japan Chemical, Hitachi Chemical and so on.

China maleic anhydride derivatives industry can basically achieve self-sufficiency, the demand of which accounted for about half of the world's demand in 2013. The main producers consist of Puyang Huicheng Electronic Material Co., Ltd, Jiaxing Orient Chemical Factory, and Jiaxing Qingyang Chemical Co., Ltd.

Global and China Electronic Chemicals Industry Report, 2004-2017 by ResearchInChina sheds light on the following:

- ◆ Size and competition pattern of Global and China photoresist and special chemicals market, and development forecast for 2014-2017;
- ◆ Size and competition pattern of Global and China capacitor chemicals market, and development forecast for 2014-2017;
- ◆ Size and competition pattern of Global and China maleic anhydride derivatives market and development forecast for 2014-2017;
- ◆ Operational analysis, electronic chemicals business analysis, development and forecast of 18 Global and Chinese electronic chemicals manufacturers.

1 Overview of Electronic Chemicals

- 1.1 Definition
- 1.2 Industry Features
- 1.3 Industry Chain

2 Photoresist and Special Chemicals

- 2.1 Overview
- 2.2 PCB Photoresist
 - 2.2.1 Global Market
 - 2.2.2 Chinese Market
- 2.3 LCD Photoresist
 - 2.3.1 Global Market
 - 2.3.2 Chinese Market
- 2.4 Semiconductor Photoresist
 - 2.4.1 Global Market
 - 2.4.2 Chinese Market

3 Capacitor Chemicals

- 3.1 Overview
- 3.2 Aluminum Electrolytic Capacitor Chemicals
 - 3.2.1 Global Market
 - 3.2.2 Chinese Market
- 3.3 Solid Polymer Capacitor Chemicals
- 3.4 Supercapacitor Electrolyte

4 Maleic Anhydride Derivatives

- 4.1 Overview
- 4.2 Global Market
- 4.3 Chinese Market
- 4.4 Competition Pattern

5 Major Overseas Electronic Chemicals Enterprises

- 5.1 Taiwan Eternal Chemical
 - 5.1.1 Profile
 - 5.1.2 Operation
 - 5.1.3 Electronic Chemicals Business
- 5.2 Asahi Kasei
 - 5.2.1 Profile
 - 5.2.2 Operation
 - 5.2.3 Electronic Chemicals Business
- 5.3 Hitachi Chemical
 - 5.3.1 Profile
 - 5.3.2 Operation
 - 5.3.3 Electronic Chemicals Business
- 5.4 Taiyo Ink
 - 5.4.1 Profile
 - 5.4.2 Operation
 - 5.4.3 Electronic Chemicals Business
- 5.4.4 Taiwan Onstatic Technology
- 5.5 BASF
 - 5.5.1 Profile
 - 5.5.2 Operation
 - 5.5.3 Electronic Chemicals Business
- 5.6 Sanyo Kasei
 - 5.6.1 Profile
 - 5.6.2 Operation
 - 5.6.3 Electronic Chemicals Business
- 5.7 Honeywell
 - 5.7.1 Profile
 - 5.7.2 Operation
 - 5.7.3 Electronic Chemicals Business

5.8 New Japan Chemical

- 5.8.1 Profile
- 5.8.2 Operation
- 5.8.3 Electronic Chemicals Business

6 Major Enterprises in Electronic Chemicals Industry in Mainland China

- 6.1 Shenzhen Capchem Technology
 - 6.1.1 Profile
 - 6.1.2 Operation
 - 6.1.3 Revenue Structure
 - 6.1.4 Gross Margin
 - 6.1.5 R & D
 - 6.1.6 Electronic Chemicals Business
 - 6.1.7 Forecast and Outlook
- 6.2 Shanghai Sinyang Semiconductor Materials
 - 6.2.1 Profile
 - 6.2.2 Operation
 - 6.2.3 Revenue Structure
 - 6.2.4 Gross Margin
 - 6.2.5 R & D
 - 6.2.6 Customers
 - 6.2.7 Electronic Chemicals Business
 - 6.2.8 Forecast and Outlook

6.3 Changzhou Tronly New Electronic Materials

6.3.1 Profile

6.3.2 Operation

6.3.3 Revenue Structure

6.3.4 Gross Margin

6.3.5 R & D

6.3.6 Customers and Suppliers

6.3.7 Electronic Chemicals Business

6.3.8 Forecast and Outlook

6.4 Puyang Huicheng Electronic Material

6.4.1 Profile

6.4.2 Operation

6.4.3 Revenue Structure

6.4.4 Gross Margin

6.4.5 R & D

6.4.6 Customers and Suppliers

6.4.7 Electronic Chemicals Business

6.4.8 Forecast and Outlook

6.5 Other Companies

6.5.1 Shenzhen Rongda Photosensitive Science and Technology

6.5.2 Beijing Kempur Microelectronics

6.5.3 Suzhou Ruihong Electronic Chemicals

6.5.4 Nantong Hengxing Electronic Material

6.5.5 Jiaxing Orient Chemical Factory

6.5.6 Jiaxing Qingyang Chemical

7 Summary and Forecast

7.1 Summary of Enterprises

7.2 Summary of Market

7.3 Development Forecast

7.3.1 Photoresist

7.3.2 Capacitor Chemicals

7.3.2 Maleic Anhydride Derivatives

- Characteristics of Electronic Chemicals Industry
- Electronic Chemicals Industry Chain
- Introduction to Photoresist Special Chemicals
- Applications and Categories of Photoresist
- Photoresist Industry Chain
- Global PCB Photoresist Market Size by Product, 2013
- Global PCB Photoresist Market Competition Pattern, 2013
- Major Enterprises in Global PCB Photoresist Special Chemicals Market, 2013
- China PCB Photoresist Market Size by Product, 2013
- Major Enterprises in China PCB Photoresist And Special Chemicals Market, 2013
- PCB Photoresist Projects Proposed and under Construction in China, 2014
- Global LCD Photoresist Market Size by Product, 2013
- Global LCD Photoresist Market Competition Pattern, 2013
- Major Enterprises in global LCD Photoresist Special Chemicals Market, 2013
- Classification and Main Applications of Semiconductor Photoresist
- Global Semiconductor Photoresist Market Size by Product, 2013
- Major Enterprises in Global Semiconductor Photoresist Market, 2013
- China Semiconductor Photoresist Market Size and Competition Pattern, 2013
- Capacitor Chemicals Industry Chain
- Operating Revenue and Growth Rate of China Capacitor and Auxiliary Equipment Manufacturing Industry, 2003-2013
- Global Aluminum Electrolytic Capacitor Market Size and Growth Rate, 2005-2013
- Global Aluminum Electrolytic Capacitor Chemicals Market Size, 2005-2013
- Major Global Aluminum Electrolytic Capacitor Chemicals Enterprises, 2013
- China Aluminum Electrolytic Capacitor Chemicals Market Size, 2013
- Major Aluminum Electrolytic Capacitor Chemicals Enterprises in China, 2013

- Global Solid Polymer Capacitor Chemicals Market Size, 2013
- Major Enterprises in Global Solid Polymer Capacitor Industry, 2013
- Global Supercapacitor Electrolyte Market Size, 2013
- Chinese Supercapacitor Electrolyte Market Size, 2013
- Competition Pattern of Global and Chinese Supercapacitor Electrolyte Industry, 2013
- Maleic Anhydride Derivative Industry Chain
- Global Demand and Its Growth Rate of Maleic Anhydride Derivatives, 2009-2013
- Demand Structure of Global Maleic Anhydride Derivative Products, 2013
- China's Demand and its Growth Rate of Maleic Anhydride Derivatives, 2009-2013
- China's Demand for Main Varieties of Maleic Anhydride Derivatives and Their Proportions of the Global Demand, 2013
- Demand Structure of Chinese Maleic Anhydride Derivative Products, 2013
- Major Global and Chinese Maleic Anhydride Derivative Enterprises, 2013
- Business Divisions of Taiwan Eternal Chemical
- Revenue and Growth Rate of Taiwan Eternal Chemical, 2009-2013
- Revenue Structure of Taiwan Eternal Chemical by Sector, 2013
- Revenue Structure of Taiwan Eternal Chemical by Region, 2013
- Photoresist Business Related Subsidiaries of Taiwan Eternal Chemical, 2013
- Main Business of Nine Business Companies of Asahi Kasei
- Net Sales and Net Income of Asahi Kasei, FY2009-FY2013
- Net Sales Structure of Asahi Kasei, by Sector, FY2011-FY2013
- Net Sales and Operating Profit of Asahi Kasei's Electronics Sector, FY2011-FY2013
- Net Sales Structure of Asahi Kasei's Electronics Sector, FY2012-FY2013
- Main Dry Film Photoresist Production Plants of Asahi Kasei, 2013
- Net Sales and Net Income of Hitachi Chemical, FY2009-FY2013
- Net Sales Structure of Hitachi Chemical, by Sector, FY2011-FY2013

- Net Sales Structure of Hitachi Chemical, by Region, FY2011-FY2013
- Electronic Chemicals Products of Hitachi Chemical Photoresist Business
- Related Subsidiaries in China of Hitachi Chemical, 2013
- Net Sales and Net Income of Taiyo Holdings, FY2009-FY2013
- Net Sales Structure of Taiyo Holdings, by Application, FY2012-FY2013
- Net Sales Structure of Taiyo Holdings, by Region, FY2011-FY2013
- Worldwide Subsidiaries of Taiyo Ink, 2013
- BASF's Business Divisions and Their Main Business
- Sales and Net Income of BASF, 2009-2013
- Sales Structure of BASF by Sector, 2012-2013
- Sales Structure of BASF by Region, 2012-2013
- Net Sales and Net Income of Sanyo Chemical, 2009-2013
- Net Sales Structure of Sanyo Chemical, by Sector, FY2011-FY2013
- Net Sales Structure of Sanyo Chemical, by Region, FY2011-FY2013
- Main Products of Sanyo Chemical Information & Electrical Sector
- Sales and Profit of Sanyo Chemical Information & Electrical sector, FY2011-FY2013
- Sanyo Chemical's Subsidiaries in China
- Revenue and Net Income of Honeywell, 2009-2013
- Revenue Structure of Honeywell by Sector, 2011-2013
- Revenue Structure of Honeywell, by Region, 2011-2013
- Revenue and Profit of Honeywell High Performance Materials Technology Sector, 2011-2013
- Main Products and Their Classification of Honeywell High Performance Materials Technology Sector
- Revenue Structure of Honeywell High Performance Materials Technology Sector, by Product, 2011-2013
- Net Sales and Net Income of New Japan Chemical, FY2009-FY2013
- Main Products of New Japan Chemical

- Revenue and Net Income of Shenzhen Capchem Technology, 2009-2013
- Revenue of Shenzhen Capchem Technology by Product, 2011-2013
- Revenue Structure of Shenzhen Capchem Technology by Product, 2011-2013
- Revenue of Shenzhen Capchem Technology by Region, 2011-2013
- Revenue Structure of Shenzhen Capchem Technology by Region, 2011-2013
- Gross Margin of Main Products of Shenzhen Capchem Technology, 2011-2013
- R&D Costs and % of Total Revenue of Shenzhen Capchem Technology, 2011-2013
- Output and Sales Volume of Shenzhen Capchem Technology, 2011-2013
- Shenzhen Capchem Technology's Subsidiaries and Their Main Business, 2013
- Revenue and Net Income of Shenzhen Capchem Technology, 2013
- Main Electronic Chemicals of Shenzhen Capchem Technology and Their Development, 2013
- Projects under Construction of Shenzhen Capchem Technology as of end of 2013
- Revenue and Net Income of Shenzhen Capchem Technology, 2013-2017E
- Revenue and Net Income of Shanghai Sinyang, 2009-2013
- Revenue of Shanghai Sinyang by Product, 2011-2013
- Revenue Structure of Shanghai Sinyang by Product, 2011-2013
- Revenue of Shanghai Sinyang, by Region, 2011-2013
- Revenue Structure of Shanghai Sinyang by Region, 2011-2013
- Gross Margin of Main Products of Shanghai Sinyang, 2011-2013
- Shanghai Sinyang's R&D Costs and % of Total Revenue, 2011-2013
- Shanghai Sinyang's Revenue from Top 5 Customers and % of Total Revenue, 2011-2013
- Name List and Revenue Contribution of Shanghai Sinyang's Top5 Customers, 2013
- Output and Sales Volume of Shanghai Sinyang, 2011-2013
- Projects under Construction of Shanghai Sinyang, 2013
- Revenue and Net Income of Shanghai Sinyang, 2013-2017E

- Revenue and Net Income of Changzhou Tronly, 2011-2013
- Revenue of Changzhou Tronly by Product, 2011-2013
- Revenue Structure of Changzhou Tronly by Product, 2011-2013
- Revenue of Changzhou Tronly, by Application, 2011-2013
- Revenue Structure of Changzhou Tronly, by Application, 2011-2013
- Revenue of Changzhou Tronly, by Region, 2011-2013
- Revenue Structure of Changzhou Tronly, by Region, 2011-2013
- Gross Margin of Hit Products of Changzhou Tronly, 2011-2013
- Changzhou Tronly's R&D Costs and % of Total Revenue, 2011-2013
- Changzhou Tronly's Revenue from Top 5 Customers and % of Total Revenue, 2011-2013
- Name List and Revenue Contribution of Changzhou Tronly's Top5 Customers, 2013
- Changzhou Tronly's Procurement from Top 10 Suppliers and % of Total Procurement, 2011-2013
- Name List and Procurement of Changzhou Tronly's Top 10 Suppliers, 2013
- Photoinitiator Capacity, Output and Operating Rate of Changzhou Tronly, 2011-2013
- Photoresist Resin Capacity, Output and Operating Rate of Changzhou Tronly, 2011-2013
- Changzhou Tronly's Output, Sales Volume and Sales-Output Ratio of Main Products, 2011-2013
- Changzhou Tronly's Average Selling Price of Main Products, 2011-2013
- Changzhou Tronly's Subsidiaries, 2013
- Total Assets and Net Income of Changzhou Tronly's Subsidiaries, 2013
- Proposed Projects of Changzhou Tronly, 2014
- Revenue and Net Income of Changzhou Tronly, 2013-2017E
- Revenue and Net Income of Puyang Huicheng, 2011-2013
- Revenue of Puyang Huicheng, by Product, 2011-2013
- Revenue Structure of Puyang Huicheng, by Product, 2011-2013
- Revenue of Puyang Huicheng, by Region, 2011-2013

- Revenue Structure of Puyang Huicheng, by Region, 2011-2013
- Gross Margin of Main Products of Puyang Huicheng, 2011-2013
- Puyang Huicheng's R&D Costs and % of Total Revenue, 2011-2013
- Puyang Huicheng's Revenue from Top5 Customers and % of Total Revenue, 2011-2013
- Name List and Revenue Contribution of Puyang Huicheng's Top5 Customers, 2013
- Puyang Huicheng's Procurement from Top 5 Suppliers and % of Total Procurement, 2011-2013
- Name List and Procurement of Puyang Huicheng's Top 5 Suppliers, 2013
- Puyang Huicheng's Capacity, Output and Operating Rate of Main Products, 2011-2013
- Puyang Huicheng's Output, Sales Volume and Sales-Output Ratio of Main Products, 2011-2013
- Puyang Huicheng's Average Selling Price of Main Products, 2011-2013
- Proposed Projects of Puyang Huicheng, 2014
- Revenue and Net Income of Puyang Huicheng, 2013-2017E
- Comparison between Revenue from Electronic Chemicals Business of Some Global Enterprises, 2013
- Comparison between Global and China Photoresist Market Size by Product, 2013
- Comparison between Global and China Capacitor Chemicals Market Size by Product, 2013
- Comparison between Global and China Maleic Anhydride Derivatives Market Size by Product, 2013
- Global Photoresist Market Size by Product, 2013-2017E
- China Photoresist Market Size, by Product, 2013-2017E
- Proportion of China Photoresist Market Size in Global Total, by Product, 2013-2017E
- Global Capacitor Chemicals Market Size by Product, 2013-2017E
- Chinese Capacitor Chemicals Market Size by Product, 2013-2017E
- Proportion of China Capacitor Chemicals Market Size in Global Total by Product, 2013-2017E
- Global Maleic Anhydride Derivative Market Size, by Product, 2013-2017E
- China Maleic Anhydride Derivative Market Size, by Product, 2013-2017E
- Proportion of China Maleic Anhydride Derivatives Market Size in Global Total, by Product, 2013-2017E

You can place your order in the following alternative ways:

1. Order online at www.researchinchina.com
2. Fax order sheet to us at fax number: +86 10 82601570
3. Email your order to: report@researchinchina.com
4. Phone us at +86 10 82600828/ 82601561

Party A:			
Name:			
Address:			
Contact Person:		Tel	
E-mail:		Fax	

Party B:			
Name:	Beijing Waterwood Technologies Co., Ltd (ResearchInChina)		
Address:	Room 502, Block 3, Tower C, Changyuan Tiandi Building, No. 18, Suzhou Street, Haidian District, Beijing, China 100080		
Contact Person:	Liao Yan	Phone:	86-10-82600828
E-mail:	report@researchinchina.com	Fax:	86-10-82601570
Bank details:	Beneficial Name: Beijing Waterwood Technologies Co., Ltd Bank Name: Bank of Communications, Beijing Branch Bank Address: NO.1 jinxiyuan shijicheng, Landianchang, Haidian District, Beijing Bank Account No #: 110060668012015061217 Routing No #: 332906 Bank SWIFT Code: COMMCNSHBJG		

Title	Format	Cost
<i>Total</i>		

Choose type of format

- PDF (Single user license)2,300 USD
- Hard copy 2,450 USD
- PDF (Enterprisewide license)..... 3,450 USD

※ Reports will be dispatched immediately once full payment has been received.
Payment may be made by wire transfer or credit card via PayPal.

About ResearchInChina

ResearchInChina (www.researchinchina.com) is a leading independent provider of China business intelligence. Our research is designed to meet the diverse planning and information needs of businesses, institutions, and professional investors worldwide. Our services are used in a variety of ways, including strategic planning, product and sales forecasting, risk and sensitivity management, and as investment research.

Our Major Activities

- *Multi-users market reports*
- *Database-RICDB*
- *Custom Research*
- *Company Search*

RICDB (<http://www.researchinchina.com/data/database.html>), is a visible financial data base presented by map and graph covering global and China macroeconomic data, industry data, and company data. It has included nearly 500,000 indices (based on time series), and is continuing to update and increase. The most significant feature of this base is that the vast majority of indices (about 400,000) can be displayed in map.

After purchase of our report, you will be automatically granted to enjoy 2 weeks trial service of RICDB for free.

After trial, you can decide to become our formal member or not. We will try our best to meet your demand. For more information, please find at www.researchinchina.com

For any problems, please contact our service team at: