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

Superabsorbent polymers (SAPs) (also called super absorbent) are a new high polymer material that has high absorption capacity and swelling capacity. A SAP may absorb hundreds of or even one thousand times its weight. It is mainly used in personal disposable hygiene products, such as baby diapers, adult incontinence products, and feminine hygiene products.

In 2014, the global SAP capacity came to 3.119 million tons, up 11.8% from a year earlier, which was mainly distributed in China, Japan, the United States, Germany, and other countries and regions. Over the same year, China overtook Japan as the world’s largest country in SAP capacity, accounting for 27.2% of the global total.

Propelled by the growth in global demand for hygiene products, the global SAP consumption totaled 2.13 million tons in 2014, up 7.14% year on year. Among them, China consumed 315,000 tons, up 18.0% from the previous year, a rise that was far higher than the global average. In future, driven by the factors including the implementation of the “Selective Two-child” Policy and the increase of ageing population, China’s SAP consumption will further expand, with an estimated CAGR of some 20% during 2015-2018.

At present, the global SAP manufacturers represent a high concentration, with more than 80% of SAP capacity in the hands of top 6 enterprises—EVONIK Industries, Nippon Shokubai, BASF, Sumitomo Seika Chemicals, SDP Global, and Yixing Danson Technology. Moreover, all major enterprises are still stepping up layout, continuously expanding projects and increasing market share.

EVONIK Industries, the world’s biggest SAP producer, achieved an annual capacity of 570,000 tons of SAP through the end of 2014. In 2014, the company’s third largest SAP plant—Saudi Arabia SAP Plant was put into operation, which would increase a further 80,000 t/a SAP.

As the world’s second largest SAP manufacturer, Nippon Shokubai began in October 2014 to expand its SAP capacity in Himeji plant to 370,000 t/a; in May 2015, the company invested an extra EUR350 million in the expansion of acrylic acid and SAP capacity in Belgium, a move that helped increase an additional 100,000 t/a SAP.

Sumitomo Seika Chemicals, one of the major SAP manufactures worldwide, has factories in Japan, France and Singapore. In August 2014, the company co-funded a 59,000 t/a SAP plant in Yeosu, South Korea. The joint venture is to be put into operation in May 2016. In May 2015, Japan’s Himeji plant went into operation. By the end of 2016, the company’s total SAP capacity will be very likely to reach 385,000 t/a.

Yixing Denson Technology, the largest SAP producer in China, boasted a capacity of 260,000 t/a SAP by the end of 2014. In 2015, the company has four 40,000 t/a production lines under construction, which are to be put into operation at the year end. At that time, the company will have 11 SAP production lines, with a total capacity of 420,000 t/a.
Global and China Superabsorbent Polymers (SAP) Industry Report, 2014-2018 mainly focuses on the following:

- Supply and demand, regional structure, and competitive landscape of the global SAP market;
- Supply and demand, regional structure, and competitive landscape of China’s SAP market;
- Supply and demand and development trend of acrylic acid in China;
- Market size, SAP demand, and development trend of China’s major SAP downstream sectors including baby diapers, adult incontinence products, and feminine hygiene products;
- Operation and development in China of 5 global SAP companies;
- Operation and development strategy of 11 key Chinese SAP companies;
# Table of Contents

1 Overview
   1.1 Definition
   1.2 Classification
   1.3 Production Technology
   1.4 Industry Chain

2 Development of Global Superabsorbent Polymers (SAP) Industry
   2.1 Market Supply
   2.2 Market Demand
   2.3 Regional Structure
   2.4 Competitive Landscape

3 Development of China’s SAP Industry
   3.1 Market Supply
      3.1.1 Capacity
      3.1.2 Output
   3.2 Market Demand
      3.2.1 Consumption
      3.2.2 Consumption Structure
   3.3 Regional Structure

4 China’s Acrylic Acid Market
   4.1 Market Supply
      4.1.1 Capacity
   4.2 Market Demand
   4.3 Import and Export
   4.4 Price

5 Downstream Sectors of China’s SAP Industry
   5.1 Disposable Baby Diapers
      5.1.1 Market Size
      5.1.2 Competitive Landscape
      5.1.3 SAP Demand
      5.1.4 Development Trend
      5.2 Adult Incontinence Products
      5.2.1 Market Size
      5.2.2 SAP Demand
      5.2.3 Development Trend
      5.3 Feminine Hygiene Products
      5.3.1 Market Size
      5.3.2 SAP Demand

6 Major Global SAP Manufacturers
   6.1 EVONIK
      6.1.1 Profile
      6.1.2 Operation
      6.1.3 Revenue Structure
      6.1.4 SAP Business
   6.2 Nippon Shokubai
      6.2.1 Profile
      6.2.2 Operation
      6.2.3 Revenue Structure
      6.2.4 SAP Business
   6.3 BASF
      6.3.1 Profile
      6.3.2 Operation
      6.3.3 Revenue Structure
      6.3.4 R&D
      6.3.5 SAP Business
   6.4 Sumitomo Seika Chemicals
      6.4.1 Profile
      6.4.2 Operation
      6.4.3 Revenue Structure
      6.4.4 SAP Business
   6.5 SDP Global
      6.5.1 Profile
      6.5.2 San-Dia Polymers (Nantong) Co., Ltd.
   6.6.6 Development in China
   6.6.7 Nisshoku Chemical Industry (Zhangjiagang) Co., Ltd.
      6.6.8 Development Strategy
   6.6.9 BASF
      6.6.10 Development in China
   6.6.11 Sumitomo Seika Chemicals
      6.6.12 Development in China
7 Major Chinese SAP Manufacturers
7.1 Formosa Plastics Corporation
7.1.1 Profile
7.1.2 Operation
7.1.3 Revenue Structure
7.1.4 Gross Profit
7.1.5 R&D
7.1.6 SAP Business
7.1.7 Formosa Super Absorbent Polymer (Ningbo) Co., Ltd.
7.2 Zhejiang Satellite Petro-Chemical Co. Ltd.(002648)
7.2.1 Profile
7.2.2 Operation
7.2.3 Revenue Structure
7.2.4 Gross Margin
7.2.5 R&D and Ongoing Projects
7.2.6 SAP Business
7.2.7 Development Prospects
7.3 Yixing Danson Technology
7.3.1 Profile
7.3.2 Operation
7.3.3 Clients and Suppliers
7.3.4 Capacity
7.4 BASF-YPC Company Limited
7.4.1 Profile
7.4.2 Operation
7.4.3 SAP Business
7.5 Shandong Nuor Bio-Tech Co.,Ltd.
7.5.1 Profile
7.5.2 Capacity
7.6 Quanzhou Banglida Technology Industry Co., Ltd.
7.7 Zhejiang Weilong Polymer Material Co.,Ltd.
7.8 Shanghai Huayi Acrylic Acid Co., Ltd.
7.8.1 Profile
7.8.2 Operation
7.8.3 Project Planning
7.9 Shandong Zhongke Boyuan New Material Technology Co., Ltd.
7.10 Tangshan Boya Resin Co., Ltd.
7.11 Jinan Haoyue Absorbent Materials Co., Ltd.

8 Conclusion and Prediction
8.1 Enterprise
8.2 Market Prediction
8.2.1 Global
8.2.2 China
• Classification of Superabsorbent Polymers
• Production Process of SAP (by Polymerization Method)
• SAP’s Counter-phase Suspension Polymerization and Water Solution Polymerization
• SAP Industry Chain
• Global SAP Capacity and YoY Growth, 2008-2014
• Global SAP Consumption and YoY Growth, 2009-2014
• Global SAP Consumption Structure by Application, 2014
• Global SAP Capacity by Region/Country, 2013-2015
• Global SAP Capacity Structure by Region/Country, 2015
• Capacity of Major Global SAP Enterprises, 2013-2015
• Market Share of Major Global SAP Manufacturers by Capacity, 2014
• Major Global SAP Projects under Construction, 2015
• Capacity and YoY Growth of SAP in China, 2009-2014
• Output and YoY Growth of SAP in China, 2009-2014
• SAP Capacity Utilization in China, 2009-2014
• SAP Consumption and YoY Growth of SAP in China, 2010-2014
• SAP Consumption Structure in China by Product, 2014
• SAP Capacity in China by Region, 2013-2015
• Capacity and YoY Growth of Acrylic Acid in China, 2006-2015
• Output of Acrylic Acid in China, 2008-2014
• Apparent Consumption of Acrylic Acid in China, 2008-2014
• Export Volume of Acrylic Acid in China, 2008-2014
• Import Price of Acrylic Acid in China, 2008-2014
• Export Price of Acrylic Acid in China, 2008-2014
• Monthly Average Market Price of Acrylic Acid in China, 2010-2015
Selected Charts

- Revenue and YoY Growth of Baby Diapers in China, 2009-2015
- Consumption of Baby Diapers in China by Product, 2009-2015
- Output of Baby Diapers in China by Product, 2009-2015
- Brands and Capacity of Major Chinese Baby Diapers Manufacturers, 2014
- Output, Consumption, and Expenditure of Baby Diapers in China, 2013-2018E
- SAP Demand and Market Size of Baby Diapers in China, 2012-2018E
- Population and YoY Growth of Over-65s in China, 2008-2014
- Output of Adult Incontinence Products in China by Product, 2009-2015
- Consumption of Adult Incontinence Products in China by Product, 2009-2015
- Output and Consumption of Adult Incontinence Products in China by Product, 2012-2018E
- SAP Demand and Market Size of Adult Incontinence Products in China, 2012-2018E
- Market Size and YoY Growth of Feminine Hygiene Products in China, 2009-2015
- Output of Feminine Hygiene Products in China by Product, 2009-2015
- Consumption of Feminine Hygiene Products in China by Product, 2009-2015
- Output, Consumption, and Market Size of Feminine Hygiene Products in China by Product, 2012-2018E
- SAP Demand and Market Size of Feminine Hygiene Products in China, 2012-2018E
- EVONIK’s Business Segments
- EVONIK’s Revenue and Net Income, 2010-2015
- EVONIK’s Revenue by Business, 2010-2015
- EVONIK’s Revenue Structure by Region, 2014
- EVONIK’s SAP Capacity, 2013-2015
- Nippon Shokubai’s Product Distribution by Segment
- Nippon Shokubai’s Net Sales and Net Income, FY2009-FY2014
- Nippon Shokubai’s Revenue by Segment, FY2009-FY2014
Selected Charts

- Nippon Shokubai’s SAP and Acrylic Acid Capacity, 2012-2017E
- SAP and Acrylic Acid Capacity and New Projects of Nippon Shokubai by Country, as of the End of April 2015
- BASF’s Revenue and Net Income, 2008-2015
- BASF’s Revenue by Business, 2012-2015
- BASF’s Revenue Structure by Region, 2012-2015
- BASF’s R&D Costs and % of Total Revenue, 2008-2014
- BASF’s R&D Costs by Segment, 2014
- BASF’s SAP and Acrylic Acid Capacity by Region, 2013-2014
- BASF’s SAP Capacity, 2009-2015
- Completion Time and Capacity of BASF’s SAP-related Acrylic Acid and Esters Project under Construction, 2015
- BASF’s Major Enterprises in China and Their Geographical Distribution, 2015
- BASF’s Revenue in China, 2007-2014
- BASF’s Major Completed/Ongoing Projects in China, 2015
- Revenue and Net Income of Sumitomo Seika Chemicals, FY2010-FY2014
- Revenue Structure of Sumitomo Seika Chemicals by Business, FY2013-FY2014
- SAP Revenue and Operating Income of Sumitomo Seika Chemicals, FY2011-FY2014
- SAP Capacity of Sumitomo Seika Chemicals by Country, 2014-2016E
- SAP Capacity of SDP Global by Country/Region as of the End of 2014
- Capacity of Formosa Plastics Corporation by Product, 2009-2015
- Revenue and Net Income of Formosa Plastics Corporation, 2009-2015
- Revenue of Formosa Plastics Corporation by Business, 2013-2015
- Revenue Structure of Formosa Plastics Corporation by Region, 2012-2014
- Gross Profit and Gross Margin of Formosa Plastics Corporation, 2009-2015
- R&D Costs and % of Total Revenue of Formosa Plastics Corporation, 2010-2015
- SAP Revenue and YoY Growth of Formosa Plastics Corporation, 2010-2014
Selected Charts

- SAP Revenue of Formosa Plastics Corporation by Region, 2010-2014
- SAP Capacity, Output, Sales Volume, Capacity Utilization, and Sales-output Ratio of Formosa Plastics Corporation, 2010-2014
- SAP Capacity of Formosa Plastics Corporation by Region, 2010-2015
- Revenue and Operating Income of Formosa Super Absorbent Polymer (Ningbo), 2012-2014
- Capacity of Zhejiang Satellite Petro-Chemical by Product, 2008-2014
- Revenue and Net Income of Zhejiang Satellite Petro-Chemical, 2009-2015
- Operating Revenue of Zhejiang Satellite Petro-Chemical by Product, 2009-2014
- Operating Revenue of Zhejiang Satellite Petro-Chemical by Region, 2008-2014
- Gross Margin of Zhejiang Satellite Petro-Chemical by Product, 2008-2014
- R&D Costs and % of Total Revenue of Zhejiang Satellite Petro-Chemical, 2008-2014
- Major Proposed Projects of Zhejiang Satellite Petro-Chemical, 2015
- Revenue and Net Income of Zhejiang Satellite Petro-Chemical, 2013-2018E
- Revenue and Net Income of Yixing Danson Technology, 2012-2015
- SAP Capacity of Yixing Danson Technology, 2010-2015
- BASF-YPC’s Capacity by Product, 2015
- BASF-YPC’s Revenue and Net Income, 2010-2014
- Revenue and Net Income of Shanghai Huayi Acrylic Acid, 2009-2014
- SAP Capacity of Tangshan Boya Resin, 2013-2015
- Revenue of Major Global and Chinese SAP Manufacturers, 2014-2015
- Market Share of Major Chinese SAP Manufacturers, 2014
- Global SAP Capacity and Demand, 2014-2018E
- SAP Capacity, Output, and Demand in China, 2013-2018E
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

<table>
<thead>
<tr>
<th>Party A:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Name:</td>
<td></td>
</tr>
<tr>
<td>Address:</td>
<td></td>
</tr>
<tr>
<td>Contact Person:</td>
<td>Tel</td>
</tr>
<tr>
<td>E-mail:</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Party B:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Name: Beijing Waterwood Technologies Co., Ltd (ResearchInChina)</td>
<td></td>
</tr>
<tr>
<td>Address: Room 502, Block 3, Tower C, Changyuan Tiandi Building, No. 18, Suzhou Street, Haidian District, Beijing, China 100080</td>
<td></td>
</tr>
<tr>
<td>Contact Person: Liao Yan</td>
<td>Phone: 86-10-82600828</td>
</tr>
<tr>
<td>E-mail: <a href="mailto:report@researchinchina.com">report@researchinchina.com</a></td>
<td>Fax: 86-10-82601570</td>
</tr>
<tr>
<td>Bank details: Beneficial Name: Beijing Waterwood Technologies Co., Ltd</td>
<td>Bank Name: Bank of Communications, Beijing Branch</td>
</tr>
<tr>
<td>Bank Address: NO.1 jinxiyuan shijicheng, Landianchang, Haidian District, Beijing</td>
<td>Bank Account No #: 1100606668012015061217</td>
</tr>
<tr>
<td>Routing No #: 332906</td>
<td>Bank SWIFT Code: COMMCNSHBJG</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Title</th>
<th>Format</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

※ 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:

Room 502, Block 3, Tower C, Changyuan Tiandi Building, No. 18, Suzhou Street, Haidian District, Beijing, China 100080
Phone: +86 10 82600828 ● Fax: +86 10 82601570 ● www.researchinchina.com ● report@researchinchina.com