

## AA Industry Market Research (China)



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Adipic acid (AA) is a kind of white, odorless crystalline powder. Molecular formula: C<sub>6</sub>H<sub>10</sub>O<sub>4</sub>; molecular weight: 146.14; melting point: 152°C; boiling point: 330.5°C. AA is partially soluble in water, slightly soluble in ether and easily soluble in benzene. AA has characteristics of aliphatic dibasic acids, including esterification reaction and other reactions, and is able to be transformed into high molecular polymer via polycondensation with diamine.

- 1 AA is a major monomer in nylon 66, a kind of synthetic fibre.
- 2 AA is a major raw material of nylon engineering plastic.
- 3 AA is a major raw material in composing urethane foam, PU, synthetic rubber and film.
- 4 AA can be used as food additive, ester plasticizer and textile treatment agent.
- 5 AA can also be used in production of medicine, pesticide, flavor, bond and scaling powder.

### Table of Content

#### CHAPTER I BRIEF INTRODUCTION TO ADIPIC ACID

##### SECTION I DEFINITION AND CHARACTERISTICS OF ADIPIC ACID

- I Definition and Characteristics of Adipic Acid
- II Applications of Adipic Acid

##### SECTION II PRODUCTION TECHNIQUES OF ADIPIC ACID

- I Butadiene Carbonylation Method
- II Cyclohexene Oxidation Method
- III Biological Method
- IV Cyclohexane Direct Oxidation Method
- V Making AA from Cyclohexane
- VI Making AA from Cyclohexanone

#### CHAPTER II ANALYSIS ON AA DEMAND AND SUPPLY IN THE GLOBAL AND CHINESE MARKET IN 2003-2008

##### SECTION I GLOBAL AA OUTPUT AND CONSUMPTION IN 2003 – 2008 AND 2010 PREDICTION

- I Global AA Output and Consumption in 2003 - 2008 and 2010 Prediction
- II The World's AA Production Capacity in 2007-2008 and Market Share of Major Suppliers
- III Global Demand Structure for AA in 2007-2008

##### SECTION II ANALYSIS OF AA SUPPLY IN CHINA IN 2003 - 2008

- I China's AA Output in 2003-2008
- II Main AA Suppliers in China and Their Market Shares during 2007-2008
  - 1 Supply Structure in China
  2. Supply Resources outside China

##### SECTION III ANALYSIS ON CHINA'S DEMAND FOR ADIPIC ACID IN 2001-2008

- I China's Demand for AA in 2001-2008
- II China's AA Demand Structure in 2005-2008
- III Distribution of Areas Demanding AA in 2007-2008

## **CHAPTER III STATISTICS OF IMPORT AND EXPORT**

### **SECTION I CHINA'S IMPORT VOLUME OF ADIPIC ACID IN 2001-2007**

- I China's Import Volume of Adipic Acid in 2001-2007
- II Distribution of China's AA Import Sources in 2007
- III Analysis on China's Main Import Regions and Enterprises of Adipic Acid in 2007

### **SECTION II STATISTICS OF EXPORT VOLUME IN 2003-2007**

## **CHAPTER IV ANALYSIS ON ADIPIC ACID PRICE VARIATION TREND IN CHINA**

### **SECTION I MONTHLY VARIATION TREND OF ADIPIC ACID PRICE IN 2004-2008**

### **SECTION II CONCLUSION OF INFLUENCING FACTORS OF ADIPIC ACID MARKET IN 2006**

- I Suppliers
- II Down-stream Market
- III Middle Men

### **SECTION III CONCLUSION AND ANALYSIS OF AA PRICE TREND IN CHINA IN 2007**

- I Price of AA Spot in China's Domestic Market (Unit: yuan/t)
- II Quoted Price and Settlement Price of Liaoyang Petrochemical's AA Products in 2006-2007 (Unit: yuan/t)
- III Quoted Price of AA Suppliers in USD in July,2007 (Unit: USD/t)

## **CHAPTER V ANALYSIS OF MAJOR ADIPIC ACID PRODUCERS AT HOME AND ABROAD**

### **SECTION I MAJOR ADIPIC ACID PRODUCERS IN THE WORLD**

- I The World's Major Adipic Acid Producers and Production Capacity in 2005-2007
- II Major Adipic Acid Producers in China and their Production Capacity in 2006-2007
- III Newly-Built and Expanded Adipic Acid Projects in China in 2008-2009
- IV Prediction on Newly-added Production Capacity and Output of Adipic Acid of China in 2008-2010

### **SECTION II INTRODUCTION TO MAJOR PRODUCERS IN CHINA**

- I PetroChina Liaoyang Petrochemical Company
  - 1 Company Profile
  - 2 Major Products and Production Capacity
  - 3 Major Economic Indexes
- II Henan Shenma Nylon Chemical Co., Ltd.
  - 1 Company Profile
  - 2 Major Products of Shenma Group
  - 3 Shenma Group, the Production Capacity and Output of Adipic Acid
- III Taiyuan Chemical Industry Group Co., Ltd.
  - 1 Company Profile
  - 2 Major Products
  - 3 Adipic Acid Projects
- IV Xinjiang Dushanzi Tianli High&Newtech Co., Ltd.
  - 1 Company Profile
  - 2 Major Products
  - 3 Situation of Newly-built Adipic Acid Projects
- V Shandong Hongye Chemical Engineering (Group) Co., Ltd.
  - 1 Company Profile
  - 2 Main Products
  - 3 Shandong Hongye Group and Adipic acid
- VI Shandong Bohui Group
  - 1 Company Profile

### **SECTION III SITUATION OF MAJOR FOREIGN ADIPIC ACID PRODUCERS**

- I Invista
- II Rhodia

## **CHAPTER VI ANALYSIS ON UPPER-STREAM ADIPIC ACID SECTOR**

### **SECTION I SUPPLY OF BENZENE**

- I Benzene Output of China in 2003-2008
  - 1 Benzene Output in China
  - 2 Benzene Import of China in 2003-Sep, 2007
- II Analysis on Market Price of Benzene in China in 2005-Sep, 2007
  - 1 Market Price of Benzene in China in 2005-2006
  - 2 Analysis on Market Price of Benzene in China in Jan-Sep,2007

### **SECTION II CONCENTRATED NITRIC ACID**

- I Statistics of Output, Import&Export and Price of Concentrated nitric acid in 2004-2007
- II Analysis on the Market Situation in Jan-Jun,2007

## **CHAPTER VII ANALYSIS ON DOWN-STREAM ADIPIC ACID INDUSTRY**

### **SECTION I DOWN-STREAM PRODUCTS OF ADIPIC ACID**

### **SECTION II DEVELOPMENT AND DEMAND FOR ADIPIC ACID OF CHINA'S POLYURETHANE SECTOR, 2010 PREDICTION**

- I Development of Polyurethane Sector's Development in China
- II Polyurethane's Demand for Adipic Acid in China in 2004-2007, 2010 Prediction

### **SECTION III DEVELOPMENT OF SOLE RAW LIQUOR**

- I China's Shoe-making Industry in 2002-2008
  - 1 China's Leather Shoe Output in 2002-2008
  - 2 China's Leather Shoe Output in 2002-2008
- II Summary of China's Sole Raw Liquor Market
  - 1 Half of Global Production
- III Statistics and Prediction of China's Sole Raw Liquor Output
- IV Features of China's Sole Raw Liquor Market
- V Factors Affecting China's Sole Raw Liquor Market

### **SECTION IV NYLON 66 SALT**

- I Major Nylon 66 Producers in China and their Production Capacity
- II Statistics of Nylon 66 Import and Export Volume in 2004-2007
- III Analysis on the Current Situation of Nylon 66 Salt Market at Home and Abroad
  - 1 The World's Situation of the Nylon 66 Industry
  - 2 The Domestic Situation of the Nylon 66 Industry

### **SECTION IV INTRODUCTION TO PRODUCTION OF NYLON 66 OF CHINA SHENMA GROUP IN 2006**

- 1. Operation Retrospection of 2006

### **SECTION V ANALYSIS ON OTHER APPLICATION FIELDS OF ADIPIC ACID**

## **CHAPTER VIII FUTURE TREND PREDICTION ON CHINA'S AA MARKET**

### **SECTION I PREDICTION ON CHINA'S AA PRODUCTION CAPACITY, OUTPUT AND DEMAND IN 2008-2010**

### **SECTION II AA PRICE TREND IN CHINA IN 2008-2010**

- I Analysis on Main Factors Affecting Price Trend of Adipic Acid in China
  - 1 Demand and Supply
- II Prediction on Price Trend of Adipic Acid in China in 2008-2010

## **TABLES**

Table 1 reaction results caused by different metal contents and reaction conditions

Table 2 Global AA Production and Consumption During 2003-2008 and prediction for 2010

Table 3 Global AA Production and Consumption During 2003-2008 and prediction Comparison for 2010

Table 4 Market Share of the World's Major AA Producers in 2007

Table 5 AA output of China in 2003-2008

Table 6 AA output of China in 2003-2008

Table 7 market share comparison of China-made/imported AA

Table 8 China's demand for AA in 2001-2008

Table 9 growth trend of China's demand for AA in 2001-2008

Table 10 China's AA demand structure in 2005-2007

Table 11 distribution of areas demanding AA in 2007

Table 12 China's AA import volume variation trend in 2001-2007

Table 13 China's AA import sources in Nan-Sep, 2007

Table 14 China's AA export volume variation trend in 2003-2007

Table 15 flow direction of China's AA export in Jan-Sep, 2007

Table 16 proportion of the flow direction of China's AA export in Nan-Sep, 2007

Table 17 statistics on domestic AA price in 2004-2005

Table 18 monthly trend of China's AA price in 2006-2007

Table 19 monthly trend of China's AA price in 2007-2008

Table 20 comparison of AA prices in 2005-2006 (USD/t)

Table 21 comparison of AA prices of Liaoyang petrochemical in 2005-2006 (yuan/t)

Table 22 spot price of AA in different regions of China in September , 2007

Table 23 quoted price and settlement price of Liaoyang Petrochemical's AA products in 2006-2007

Table 24 the world's major adipic acid producers and production capacity in 2005-2007

Table 25 major adipic acid producers in China and their production capacity in 2006-2007

Table 26 newly-built and expanded adipic acid projects in China in 2007-2009

Table 27 China's newly-added adipic acid output in 2008-2010

Table 28 prediction on China's adipic acid output in 2008-2010

Table 29 Major Product List of Shenma Group

Table 30 China's benzene output in 2003-2008

Table 31 China's benzene output variation in 2003-2008

Table 32 China's benzene import in 2003-Sep, 2007

Table 33 analysis on China's benzene import in 2003-Sep, 2007

Table 34 market prices of benzene in Jan-Dec, 2005

Table 35 market prices of benzene in Jan-Dec, 2006

Table 36 prices of pure benzene in Jan-Sep, 2007

Table 37 variation of market prices of pure benzene in Jan-Sep, 2007

Table 38 variation of China's concentrated nitric acid output in 2004-Aug,2007

Table 39 variation trend of China's import volume of concentrated nitric acid in 2004-Oct,2007

Table 40 variation trend of China's export volume of concentrated nitric acid in 2004-Oct, 2007

Table 41 prices of concentrated nitric acid in China in 2004

Table 42 prices of concentrated nitric acid in China in 2005

Table 43 prices of concentrated nitric acid in China in 2006

Table 44 prices of concentrated nitric acid in China in Jan-Oct, 2007

Table 45 China's AA consumption structure in 2004-2007 and 2010 prediction

Table 46 PU import volume variation in 2004-oct, 2007

Table 47 statistics and prediction fo China's sole raw liquor outoput in 2003-2010 unit: 10,000/t

Table 48 variation of the statistics and prediction fo China's sole raw liquor outoput in 2003-2010 unit: 10,000/t

Table 49 Production Capacity of China's Sole Raw Liquor Manufacturer in 2004-2005 (10,000 t/a)

Table 50 Production Capacity of China's Major Nylon 66 Producers in 2006

Table 51 China's import volume variation of nylon 66 salt in 2004-Oct., 2007

Table 52 export volume variation of China-made nylon 66 salt in 2004-Oct., 2007

Table 53 AA consumption of nylon 66 in China in 2004-2007 and 2010 prediction

Table 54 China's newly-added adipic acid output in 2008-2010

Table 55 prediction on China's adipic acid output in 2008-2010

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