

Survey of Amines in China

https://marketpublishers.com/r/SB7987D5FC6EN.html Date: December 2010 Pages: 179 Price: US\$ 7,448.00 (Single User License) ID: SB7987D5FC6EN

Abstracts

With more than 50 years' development, amide herbicides have become the most widely applied herbicide category in the world, playing a more and more important role in weed control thanks to its high popularity and low application cost. In the global market, acetochlor, alachlor, metolachlor and butachlor are the main amide herbicides in terms of sales volume.

China is one of the largest suppliers of amide herbicides in the world. Currently, more than 55 companies have registered amide herbicide technical in China. In the domestic market, amide herbicides take up around 20%-30% of the total herbicides in terms of consumption every year, with acetochlor being the largest amide herbicide.

As we know, amide herbicides can be widely used in many crops, especially for the preemergent control of weeds in broadleaf crop fields. Coupled with the advantages of low cost, long validity and low residue, global demand for amide herbicides is very large.

With the development of new post-emergent herbicides in China, together with the existing problems in amide herbicides such as toxicity and environmental pollution, the market share of amide herbicides is seeing a downtrend. However, amide herbicides still remain one of the most widely used herbicides in China.

CCM has made a systemic research revealing the latest information on amide herbicides from the aspects of production, consumption, trade, etc., and forecast on Chinese amide herbicide industry, which will benefit both existing players and new entrants.

Survey of Amide Herbicides in China is CCM's second edition report on Chinese amide herbicide industry, which was finished in April 2013. This intelligent report attaches great importance to the following parts:



Supply summary of amide herbicides (capacity, output and key producers) and demand summary by volume & value in China, 2009-2012;

Detailed study of nine major amide herbicides in supply and demand 2009-2012, technical and formulation prices 2009-2012, export 2010-2012 and outlook 2013-2017 on output and domestic demand;

Forecast on Chinese amide herbicides in supply & demand and identification of key influencing factors for the development of this industry;

Commercial opportunities.



Contents

EXECUTIVE SUMMARY

Methodology & definition Methodology Definition

I AMINES PRODUCTION IN CHINA

- I-1 Overview
- I-2 Summary of amines producers I-3 Synthesis routes of amines in China Ammonolysis of alcohol/phenol Ammonolysis of chloralkane Addition reaction of ketone and ammonia Addition reaction of epoxide and ammonia Addition reaction of aldehyde and ammonia Hydration of nitrile Hydrogenation of nitrile Hydrogenation of nitryl Beckmann rearrangement Others

II MAJOR AMINES PRODUCTS SITUATION IN CHINA

- II-1 Amines via ammonolysis of alcohol/phenol
 - II-1-1 Methylamine series
 - II-1-1-1 Production
 - II-1-1-1 Producers
 - II-1-1-2 Distribution
 - II-1-1-2 Raw materials supply of methylamine
 - II-1-1-3 Import and export of methylamine in 2009
 - II-1-1-4 Price of methylamine
 - II-1-1-5 Downstream consumption of methylamine
 - II-1-1-5-1 Monomethylamine
 - Industrial explosives
 - Pesticide
 - Pharmaceutical



Others

II-1-1-5-2 Dimethylamine

Solvent

Rubber ingredients

Pesticide

Others

II-1-1-5-3 Trimethylamine

Feed

Others

- II-1-1-6 Forecast on methylamine to 2015
- II-1-1-6-1 Influencing factors on methylamine industry
- II-1-1-6-2 Production and demand forecast, 2010~2015

Production forecast

Demand forecast 29

- II-1-2 Ethylamine series
 - II-1-2-1 Production
 - II-1-2-1-1 Producers
 - II-1-2-1-2 Distribution
 - II-1-2-2 Raw materials supply of ethylamine
 - II-1-2-3 Import and export of ethylamine in 2009
 - II-1-2-4 Price of ethylamine
 - II-1-2-5 Downstream consumption of ethylamine
 - II-1-2-5-1 Monoethylamine

Pesticide

Mining

Others

II-1-2-5-2 Diethylamine

Rubber ingredient

Pesticide

Pharmaceutical

Mining

Dyestuff

Others

II-1-2-5-3 Triethylamine

Pesticide

Pharmaceutical

Resin

Others

II-1-2-6 Forecast on ethylamine to 2015



- II-1-2-6-1 Influencing factors on ethylamine industry
- II-1-2-6-2 Production and demand forecast, 2010~2015 Production forecast

Demand forecast

- II-1-3 N-butylamine
 - II-1-3-1 Production
 - II-1-3-2 Downstream consumption of n-butylamine
 - II-1-3-2-1 Mono-n-butylamine

Pesticide

Dyestuff

Others

- II-1-3-2-2 Di-n-butylamine
- Rubber ingredient

Pesticide

Others

II-1-3-2-3 Tri-n-butylamine

Pesticide

Intermediate

Others

- II-2 Amines via ammonolysis of chloralkane
 - II-2-1 Ethylenediamines series
 - II-2-1-1 Production
 - II-2-1-1-1 Producer
 - II-2-1-1-2 Distribution
 - II-2-1-2 Raw materials supply of ethylenediamines
 - II-2-1-3 Import and export of ethylenediamines in 2009
 - II-2-1-4 Price of ethylenediamines
 - II-2-1-5 Downstream consumption of ethylenediamines
 - II-2-1-5-1 Market size
 - II-2-1-5-2 Main downstream industries

Epoxy resin curing agent

Pesticide

Others

II-2-1-5-3 List of major end users

II-2-1-6 Forecast on ethylenediamines to 2015

Production forecast

Demand forecast 48

- II-2.2 Nitroaniline series
 - II-2-2-1 Production



- II-2-2-1-1 Producers
- II-2-2-1-1 Distribution
- II-2-2-2 Raw materials supply of nitroaniline
- II-2-2-3 Import and export of nitroaniline in 2009
- II-2-2-4 Price of nitroaniline
- II-2-2-4-1 Key influencing factors on nitroaniline price
- II-2-2-5 Downstream consumption of nitroaniline
 - II-2-2-5-1 Market size
 - II-2-2-5-2 Main downstream industries
 - Dyestuff
 - Pesticide
 - Rubber ingredient
 - Pharmaceutical
 - II-2-2-5-3 List of major end users
- II-3 Amines via addition reaction of ketone and ammonia
 - II-3-1 Isopropylamine
 - II-3-1-1 Production
 - II-3-1-1-1 Producer
 - II-3-1-1-2 Distribution
 - II-3-1-2 Raw materials supply of isopropylamine
 - Acetone
 - Isopropanol
 - II-3-1-3 Import and export of isopropylamine in 2009
 - II-3-1-4 Price of isopropylamine
 - II-3-1-5 Downstream consumption of isopropylamine
 - II-3-1-5-1 Monoisopropylamine
 - Pesticide
 - Glyphosate isopropylamine salt
 - Atrazine
 - Buprofezin
 - List of end users in pesticide
 - Dyestuff
 - Others
 - II-3-1-5-2 Diisopropylamine
 - Pesticide
 - Rubber ingredient
 - Others
 - II-3-1-6 Forecast on isopropylamine to 2015
 - II-3-1-6-1 Influencing factors on isopropylamine industry



II-3-1-6-2 Production and demand forecast, 2010~2015

Production forecast

Demand forecast

II-4 Amines via addition reaction of epoxide and ammonia

II-4-1 Ethanolamine series

II-4-1-1 Production

II-4-1-1-1 Producers

II-4-1-1-2 Distribution 70

II-4-1-1-3 Special findings about production

II-4-1-2 Raw materials supply of ethanolamine

II-4-1-3 Import and export of ethanolamine in 2009

MEA

DEA

TEA

China anti-dumping campaign

II-4-1-4 Price of ethanolamine

II-4-1-5 Downstream consumption of ethanolamine

II-4-1-5-1 Market size

II-4-1-5-2 Main downstream industries

Agrochemical

Cement grinding aid

Surfactant

Polyurethane

Pharmaceutical

Rubber ingredients

Textile

Metal cleaning

Gas purification

II-4-1-5-3 List of major end users

II-4-1-6 Forecast on ethanolamine

Influencing factors on ethanolamine industry

Raw material

China's economy growth

Large quantities of imported ethanolamines

Substitutes

Production and demand forecast, 2010~2015

Production forecast

Demand forecast

II-4-2 Isopropanolamine series



- II-4-2-1 Production
- II-4-2-2 Raw materials supply of isopropanolamine
- II-4-2-3 Import and export of isopropanolamine in 2009
- II-4-2-4 Price of isopropanolamine
- II-4-2-5 Downstream consumption of isopropanolamine
- II-4-2-6 Forecast on isopropanolamine to 2015
- II-5 Amines via addition reaction of aldehyde and ammonia

II-5-1 Urotropine

- II-5-1-1 Production
- II-5-1-2 Raw materials supply of urotropine
- II-5-1-3 Import and export of urotropine in 2009
- II-5-1-4 Price of urotropine
- II-5-1-5 Downstream consumption of urotropine
- II-5-1-5-1 Market size
- II-5-1-5-2 Main downstream industries
 - Phenolic resin
 - Glycine
- Amino resin
- Explosive
- Others
- II-5-1-5-3 List of major end users
- II-5-1-6 Forecast on urotropine to 2015
- II-5-1-6-1 Influencing factors on urotropine industry
- II-5-1-6-2 Production and demand forecast, 2010~2015
- Production forecast
- Demand forecast
- II-6 Amines via hydration of nitrile
 - II-6-1 Acrylamide
 - II-6-1-1 Production
 - II-6-1-2 Raw materials supply of acrylamide
 - II-6-1-3 Import and export of acrylamide in 2009
 - II-6-1-4 Price of acrylamide
 - II-6-1-5 Downstream consumption of acrylamide
 - II-6-1-6 Forecast on acrylamide to 2015
- II-7 Amines via hydrogenation of nitrile
- II-7.1 1,6-Hexamethylenediamine
 - II-7-1-1 Production
 - Producers
 - Distribution



- II-7-1-2 Raw materials supply of 1, 6-Hexamethylenediamine
- II-7-1-3 Import and export of 1, 6-Hexamethylenediamine in 2009 Origin

Destination

- II-7-1-4 Price of 1, 6-Hexamethylenediamine
- Key influencing factors on 1, 6-Hexamethylenediamine price
- II-7-1-5 Downstream consumption of 1, 6-Hexamethylenediamine Market size

Main downstream industries

II-7-1-6 Forecast on 1, 6-Hexamethylenediamine to 2015 Influencing factors on 1, 6-Hexamethylenediamine industry Production and demand forecast, 2010~2015 Production forecast

Demand forecast

- II-8 Amines via hydrogenation of nitryl
 - II-8-1 Aniline
 - II-8-1-1 Production
 - II-8-1-1-1 Producers
 - II-8-1-1-2 Distribution
 - II-8-1-2 Raw materials supply of aniline
 - II-8-1-3 Import and export of aniline in 2009
 - II-8-1-4 Price of aniline
 - II-8-1-4-1 Price change of aniline
 - II-8-1-4-2 Key influencing factors on aniline price

Raw materials

Supply and demand

RMB appreciation

- II-8-1-5 Downstream consumption of aniline
- II-8-1-5-1 Market size
- II-8-1-5-2 Main downstream industries

MDI

Rubber ingredients

Dyestuff and its intermediates

Cyclohexylamine

Pharmaceutical and pesticides

II-8-1-5-3 List of major end users

II-8-1-6 Forecast on aniline to 2015

II-8-1-6-1 Influencing factors on aniline industry

Demand growth in domestic market





Production technology improvement

- II-8-1-6-2 Production and demand forecast, 2010~2015
 - Production forecast
 - Demand forecast
- II-9 Amines via Beckmann rearrangement
 - II-9.1 Caprolactam
 - II-9-1-1 Production
 - Producers
 - Distribution
 - II-9-1-2 Raw materials supply of caprolactam
 - Cyclohexanone
 - Toluene
 - II-9-1-3 Import and export of caprolactam in 2009
 - II-9-1-4 Price of caprolactam
 - II-9-1-5 Downstream consumption of caprolactam
 - Market size
 - Main downstream industries
 - II-9-1-6 Forecast on caprolactam to 2015
 - Influencing factors on caprolactam industry
 - Demand growth in domestic market
 - Production technology improvement
 - Production and demand forecast, 2010~2015
 - Production forecast
 - Demand forecast
- II-10 Others
 - II-10-1 Thiourea
 - II-10-1-1 Production
 - II-10-1-2 Downstream consumption of thiourea
 - II-10-1-2-1 Market size
 - II-10-1-2-2 Main downstream industries
 - II-10-2 Dicyandiamide
 - II-10-2-1 Production
 - II-10-2-2 Import and export of dicyandiamide
 - II-10-2-3 Downstream consumption of dicyandiamide
 - II-10-2-3-1 Market size
 - II-10-2-3-2 Main downstream industries
 - Fixing agent
 - Resin
 - Curing agent



Flame retardant

Pesticide

- II-10-3 Melamine
 - II-10-3-1 Production
 - II-10-3-1-1 Producer
 - II-10-3-2 Import and export of melamine
 - II-10-3-3 Downstream consumption of melamin
 - II-10-3-3-1 Market size
 - II-10-3-3-2 Main downstream industries
 - Melamine formaldehyde resin
 - Sulfonated melamine formaldehyde condensation compound
 - Melamine cyanurate
- II-10-4 Tert-butylamine
- II-10-4-1 Production
- II-10-4-2 Downstream consumption of tert-butylamine
 - II-10-4-2-1 Market size
 - II-10-4-2-2 Main downstream industries
 - Rubber ingredient
 - Pesticide
 - Pharmaceutical

III DEMAND OF AMINES IN CHINA

- III-1 Polymeric compound
 - III-1-1 Amines used as raw materials of polymeric compound Summarization of key polymeric compound industry Demand of amines
 - III-1-2 Amines used as raw materials of additives in polymeric compound Summarization of other polymeric compound industries Demand of amines
- III-2 Agricultural chemicals
 - Summarization of agricultural chemicals industry
 - Demand of amines
- III-3 Dyestuff
- Summarization of dyestuff industry
- Demand of amines
- **III-4** Pharmaceuticals
- Summarization of pharmaceuticals industry
- Demand of amines



III-5 Others Solvent Cement grinding aid Surfactant Explosive

IV COMPETITIVE LANDSCAPE IN CHINESE AMINES INDUSTRY

V FUTURE PROSPECT OF AMINES INDUSTRY IN CHINA

V-1 Influencing factors on amines industry
Raw material
Large quantities of imported products
RMB appreciation
China's economy growth
V-2 Production and demand forecast, 2010~2015
Production forecast
Demand forecast

VI CONCLUSION AND COMMERCIAL OPPORTUNITIES

Conclusion Opportunities

VII PROFILES OF MAJOR PRODUCERS IN CHINA

VII-1 Daqing Oilfield Co., Ltd. Chemical General Factory Polymer Branch

.....

VII-18 Sinopec Shijiazhuang Chemical Fibre Co., Ltd.





List Of Tables

LIST OF TABLES

Table I Five-Year-Plan in China Table II Annual average exchange rate of USD against RMB, 2003 ~ Oct. 2010 Table I-1.1 Amines production situation in China, 2009 Table I-3.1 Comparison of different route of ethylenediamine Table I-3.2 Production cost of isopropylamine by the two routes, Oct. 2010 Table I-3.3 Comparison of different routes of tert-butylamine Table II-1-1-1.1 Key active methylamine producers in China, as of Oct. 2010 Table II-1-1-3.1 Import and export situation of methylamine in China, 2005~H1 2010 Table II-1-1-4.1 Ex-factory price of methylamines in China, end of Oct. 2010 Table II-1-1-5-1.1 Key water gel explosive producers in China, 2010 Table II-1-1-5-1.2 Key end users of monomethylamine in pesticides in China, 2010 Table II-1-1-5-1.3 Key end users of monomethylamine in pharmaceuticals in China, 2010 Table II-1-1-5-2.1 Key end users of dimethylamine in solvents in China, 2010 Table II-1-1-5-2.2 Key end users of dimethylamine in pesticides in China, 2010 Table II-1-1-5-3.1 Key choline chloride producer in China, 2010 Table II-1-2-1-1.1 Key active ethylamine producers in China, as of Oct. 2010 Table II-1-2-4.1 Ex-factory price of ethylamines in China, end of Oct. 2010 Table II-1-2-5-1.1 Key end users of monomethylamine in pesticide in China Table II-1-2-5-1.2 Key producers of o-isopropyl-n-ethyl thionocarbamate in China, 2010 Table II-1-2-5-2.1 Key end users of diethylamine in rubber ingredient in China, 2010 Table II-1-2-5-2.2 Key end users of diethylamine in pesticide in China, 2010 Table II-1-2-5-2.3 Key end users of diethylamine in pharmaceutical in China, 2010 Table II-1-2-5-2.4 Key producer of SN9# China, 2010 Table II-1-2-5-3.1 Key end users of triethylamine in pesticides in China, 2010 Table II-1-2-5-3.2 Key end users of triethylamine in pharmaceuticals in China, 2010 Table II-1-3-2-1.1 Key end users of mono-n-butylamine in pesticide in China, 2010 Table II-1-3-2-1.2 Key end users of mono-n-butylamine in dyestuff in China, 2010 Table II-2-1-1-1.1 Active ethylenediamines producers in China, as of Oct. 2010 Table II-2-1-3.1 Import and export situation of ethylenediamine in China, 2005~2009 Table II-2-1-3.2 Origins of imported ethylenediamine in China, 2009 Table II-2-1-3.3 Destinations of exported ethylenediamine in China, 2009 Table II-2-1-5-3.1 List of key end users in major consumption fields of ethylenediamine in China, 2009

Table II-2-1-6.1 Planned ethylenediamines capacity of major enterprises in China



Table II-2-2-1-1.1 Key active nitroaniline producers in China, as of Oct. 2010 Table II-2-2-1-1.2 Stopped or idle nitroaniline producers in China, Oct. 2010 Table II-2-2-4.1 Quotation of nitroaniline in key nitroaniline producers in China, Oct. 2010 Table II-2-2-5-3.1 List of key end users in major consumption fields of nitroaniline in China, 2009

Table II-3-1-1.1 Key isopropylamine producers in China, as of Oct. 2010

Table II-3-1-2.1 Supply and demand of acetone in China, 2005-2009

Table II-3-1-2.2 Key producers of acetone in China

Table II-3-1-2.3 Potential projects of acetone in China

Table II-3-1-2.4 Supply and demand of isopropanol in China, 2005-2009

Table II-3-1-2.5 Key producers of isopropanol in China, 2009

Table II-3-1-3.1 Import and export situation of isopropylamine, 1995-H1 2010

Table II-3-1-3.2 Export destination of isopropylamine in China, 2009

Table II-3-1-3.3 Export situation of isopropylamine by active producers, 2009

Table II-3-1-5-1.1 Output of 41% and 62% glyphosate isopropylamine salt in China, 2002-2009

Table II-3-1-5-1.2 Key end users of monoisopropylamine in pesticide in China, 2010

Table II-3-1-5-2.1 Key end users of diisopropylamine in pesticide in China, 2010

Table II-4-1-1.1 Key active EA producers in China, as of Oct. 2010

Table II-4-1-3.1 Import and export situation of EA in China, 2005~2009

Table II-4-1-3.2 Import and export situation of MEA in China, 2005~2009

Table II-4-1-3.3 Import origins of MEA in China, 2009

Table II-4-1-3.4 Export destinations of MEA in China, 2009

Table II-4-1-3.5 Import and export situation of DEA in China, 2005~2009

Table II-4-1-3.6 Import origins of DEA in China, 2009

Table II-4-1-3.7 Export destinations of DEA in China, 2009

Table II-4-1-3.8 Import situation of TEA in China, 2005~2009

Table II-4-1-3.9 Import origins of TEA in China, 2009

Table II-4-1-5-3.1 List of key end users in major consumption fields of EA in China

Table II-4-1-6.1 Planned capacity of EA for major enterprises in China, Oct. 2010

Table II-4-2-1.1 Major active isopropanolamine producers in China, as of Oct. 2010

Table II-4-2-4.1 Quotation of some IPA producers in China, Oct. 2010

Table II-5-1-1.1 Key active urotropine producers in China, as of Oct. 2010

Table II-5-1-1.2 Stopped urotropine producers in China, Oct. 2010

Table II-5-1-5-3.1 List of major end users in key consumption fields of urotropine

Table II-5-1-6-2.1 Planned capacity of urotropine for major enterprises in China, Oct. 2010

Table II-6-1-1.1 Key active AM producers in China, Oct. 2010



Table II-7-1-1.1 Active 1, 6-Hexamethylenediamine producers in China, as of Oct. 2010 Table II-7-1-3.1 Import and export situation of 1, 6-Hexamethylenediamine in China, 2005~2009 Table II-7-1-3.2 Import origins of 1, 6-Hexamethylenediamine in China, 2009 Table II-7-1-3.3 Export destinations of 1, 6-Hexamethylenediamine in China, 2009 Table II-7-1-6.1 Planned capacity of 1, 6-Hexamethylenediamine for major enterprises in China, in 2010 Table II-8-1-1-1.1 Key active aniline producers in China, as of Oct. 2010 Table II-8-1-1-1.2 Stopped aniline producers in China, Oct. 2010 Table II-8-1-3.1 Import and export situation of aniline in China, 2005~2009 Table II-8-1-3.2 Import origins of aniline in China, 2009 Table II-8-1-3.3 Export destinations of Chinese aniline, 2009 Table II-8-1-5-1.1 Apparent consumption of aniline in China, 2005~2009 Table II-8-1-5-3.1 List of key end users in major consumption fields of aniline in China Table II-8-1-6-2.1 Planned capacity of aniline for major enterprises in China, 2010 Table II-9-1-1.1 Major active caprolactam producers in China, as of Oct. 2010 Table II-9-1-3.1 Import and export situation of caprolactam in China, 2005~2009 Table II-9-1-3.2 Import origins of caprolactam in China, 2009 Table II-9-1-3.3 Export destinations of caprolactam in China, 2009 Table II-9-1-5.1 Apparent consumption of caprolactam in China by volume, 2005~2010 Table II-9-1-5.2 Major end users of caprolactam in China, in 2010 Table II-9-1-6.1 Planned capacity of caprolactam for major enterprises in China, in 2010 Table II-10-1-1.1 Key producer of thiourea in China, 2010 Table II-10-2-1.1 Key producer of dicyandiamide in China, 2010 Table II-10-2-2.1 Export situation of dicyandiamide in China, 2005~2010 (Jan.~ Aug.) Table II-10-2-2.2 Key export destinations of dicyandiamide in China, 2009 and 2010 (Jan.~ Aug.) Table II-10-3-1-1.1 Key producers of melamine in China, 2010 Table II-10-3-2.1 Key destination of melamine in China, 2008~2010(Jan.~Sep.) Table II-10-4-1.1 Key produces of tert-butylamine in China, 2010 Table III-1.1 Polymeric compound products consuming amines Table III-1-1.1 Consumption and its value of major amines products used as raw materials of polymeric compound in China, 2009 Table III-1-2.1 Consumption and its value of amines products as raw materials of additives in polymeric compound in China, 2009 Table III-2.1 Agrochemical products consuming amines Table III-2.2 Consumption and its value of major amines products used in agricultural chemicals in China, 2009

Table III-3.1 Consumption and its value of major amines products used in dyestuff in



China, 2009

Table III-4.1 Pharmaceutical products consuming amines

Table III-4.2 Consumption and its value of major amines products consuming in pharmaceutical in China, 2009

Table III-5.1 Consumption and its value of major amines products consuming in cement grinding aid in China, 2009

Table III-5.2 Consumption and its value of major amines products used in surfactant in China, 2009

Table III-5.3 Consumption and its value of major amines products used in explosive in China, 2009

Table IV.1 Active amines producers invested by foreign enterprises in China, as of Oct. 2010

Table IV.2 Potential amines producers invested by foreign enterprises in China, as of Oct. 2010



List Of Figures

LIST OF FIGURES

Figure i CCM's flowchart for China's amine market research Figure I-2.1 Distribution of amine capacity in China, 2009 Figure II-1-1.1 Output structure of methylamines in China, 2009 Figure II-1-1-2.1 Distribution of methylamine capacity in China, 2009 Figure II-1-1-2.2 Distribution of methylamine capacity in China, 2010 Figure II-1-1-5-1.1 Consumption structure of monomethylamine in China by volume, 2009 Figure II-1-1-5-2.1 Consumption structure of dimethylamine in China by volume, 2009 Figure II-1-1-5-3.1 Consumption structure of trimethylamine in China by volume, 2009 Figure II-1-1-6-2.1 Forecast on the capacity of methylamine in China, 2010E~2015 Figure II-1-1-6-2.2 Forecast on demand for methylamine in China, 2010E~2015 Figure II-1-2-1.1 Output structure of ethylamines in China, 2009 Figure II-1-2-1-2.1 Distribution of ethylamine capacity in China, 2009 Figure II-1-2-1-2.2 Distribution of ethylamine capacity in China, 2010 Figure II-1-2-5-1.1 Consumption structure of monoethylamine in China by volume, 2009 Figure II-1-2-5-2.1 Consumption structure of diethylamine in China by volume, 2009 Figure II-1-2-5-3.1 Consumption structure of triethylamine in China by volume, 2009 Figure II-1-2-6-2.1 Forecast on capacity of ethylamine in China, 2010E~2015 Figure II-1-2-6-2.2 Forecast on demand for ethylamine in China, 2010E~2015 Figure II-1-3-2.1 Consumption structure of n-butylamine in China by volume, 2009 Figure II-1-3-2-1.1 Consumption structure of mono-n-butylamine in China by volume, 2009 Figure II-1-3-2-2.1 Consumption structure of di-n-butylamine in China by volume, 2009 Figure II-2-1-1-2.1 Capacity distribution of ethylenediamines production in China, 2010 Figure II-2-1-4.1 Price of ethylenediamine in China, Feb. 2005~Sept. 2010 Figure II-2-1-5-1.1 Consumption structure of ethylenediamine in China, by volume, 2009 Figure II-2-1-6.1 Forecast on capacity of ethylenediamines in China, 2010E~2015 Figure II-2-1-6.2 Forecast on demand for ethylenediamine in China, 2010E~2015 Figure II-2-2-1-1.1 Distribution of nitroaniline production in China, by capacity, 2010 Figure II-2-2-5-1.1 Consumption structure of nitroaniline in China, by volume, 2009 Figure II-2-2-5-2.1 Production situation of carbendazim technical in China, 2006~2010 (Jan.~ Aug.) Figure II-3-1-1.1 Output structure of isopropylamines in China, 2009 Figure II-3-1-1-2.1 Distribution of isopropylamines capacity in China, 2009

Figure II-3-1-1-2.2 Distribution of isopropylamines capacity in China, 2010



Figure II-3-1-5-1.1 Consumption structure of monoisopropylamine in China, 2009 Figure II-3-1-5-2.1 Consumption structure of diisopropylamine in China, 2009 Figure II-3-1-6-2.1 Forecast on the capacity of isopropylamine in China, 2010E~2015 Figure II-3-1-6-2.2 Forecast on demand for isopropylamine in China, 2010E~2015 Figure II-4-1-1-2.1 Distribution of EA production in China, by capacity, as of Oct. 2010 Figure II-4-1-4.1 Price of DEA in China, Jan. 2005~Sep. 2010 Figure II-4-1-4.2 Average price of EO, MEA, DEA and TEA in China, 2003~2009 Figure II-4-1-5-1.1 Consumption structure of EA in China, by volume, 2009 Figure II-4-1-6.1 Forecast on EA output in China, 2010E~2015 Figure II-4-1-6.2 Forecast on demand and import volume of EA in China, 2010E~2015 Figure II-4-2-1.1 Distribution of IPA production in China, by capacity, Oct. 2010 Figure II-4-2-5.1 Consumption structure of IPA in China, by volume, 2009 Figure II-5-1-4.1 Price of urotropine in China, Jan. 2005~ Oct. 2010 Figure II-5-1-5-1.1 Consumption structure of urotropine in China, by volume, 2009 Figure II-5-1-6-2.1 Forecast on urotropine output in China, 2010E~2015 Figure II-5-1-6-2.2 Forecast on urotropine demand in China, 2010E~2015 Figure II-6-1-4.1 Price of AM and acrylonitrile in China, Jan. 2006~Jan. 2010 Figure II-6-1-5.1 Consumption structure of PAM in China, by volume, 2009 Figure II-7-1-1.1 Distribution of 1, 6-Hexamethylenediamine production in China, by capacity, in 2010 Figure II-7-1-5.1 Consumption structure of 1, 6-Hexamethylenediamine in China, by volume, 2009 Figure II-7-1-6.1 Forecast on the demand for 1, 6-Hexamethylenediamine in China, 2010E~2015 Figure II-8-1-1.1 Capacity and output of aniline in China, 2005~2009 Figure II-8-1-1-2.1 Distribution of aniline production in China, by capacity, 2009 Figure II-8-1-4-1.1 Price of aniline in China, Jan. 2005~Oct. 2010 Figure II-8-1-4-2.1 Price of aniline, benzene and nitrobenzene in China, Jan. 2005~Oct. 2010 Figure II-8-1-5-1.1 Consumption structure of aniline in China, by volume, 2009 Figure II-8-1-5-2.1 Output and its growth rate of MDI in China, 2005~2009 Figure II-8-1-5-2.2 Output and its growth rate of rubber ingredients in China, 2005~2009 Figure II-8-1-6-2.1 Forecast on aniline production in China, 2010E~2015 Figure II-8-1-6-2.2 Forecast on aniline demand in China, 2010E~2015 Figure II-9-1-1.1 Production situation of caprolactam in China, 2005~2010 Figure II-9-1-1.2 Distribution of caprolactam production in China, by capacity, as of Oct. 2010 Figure II-9-1-4.1 Price of caprolactam in China, Jan. 2005~Oct. 2010

Figure II-9-1-6.1 Forecast on the demand of caprolactam in China, 2010E~2015



Figure II-10-1-1.1 Distribution of thiourea capacity in China, 2010

Figure II-10-1-2-1.1 Consumption structure of thiourea in China by volume, 2009

Figure II-10-2-3-1.1 Consumption structure of dicyandiamide in China by volume, 2009

Figure II-10-3-1.1 Capacity and output of melamine in China, 2006~2010E

Figure II-10-3-2.1 Export situation of melamine in China, 2006~2010E

Figure II-10-3-3-1.1 Apparent consumption of melamine in China, 2006~2010E

Figure II-10-3-3-1.2 Consumption structure of melamine in China by downstream product, 2009

Figure II-10-3-3-2.1 Consumption structure of melamine formaldehyde resin in China by volume, 2009

Figure II-10-4-2-1.1 Consumption structure of tert-butylamine in China by volume, 2009 Figure II-10-4-2-2.2 Output of accelerator NS in China, 2003~2008

Figure III-1.1 Consumption structure of amines products in polymeric compound in China, by volume, 2009

Figure III-1-1.1 Consumption structure of amines products as raw materials in polymeric compound in China, by volume, 2009

Figure III-1-2.1 Consumption structure of amines products as raw materials of additives in polymeric compound in China, by volume, 2009

Figure III-2.1 Consumption structure of amines products used in agricultural chemicals in China, by volume, 2009

Figure III-3.1 Consumption structure of amines products used in dyestuff in China, by volume, 2009

Figure III-4.1 Consumption structure of amines products consuming in pharmaceutical in China, by volume, 2009



I would like to order

Product name: Survey of Amines in China

Product link: <u>https://marketpublishers.com/r/SB7987D5FC6EN.html</u>

Price: US\$ 7,448.00 (Single User License / Electronic Delivery) If you want to order Corporate License or Hard Copy, please, contact our Customer Service: <u>info@marketpublishers.com</u>

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <u>https://marketpublishers.com/r/SB7987D5FC6EN.html</u>