

# **Production and Market of Melamine in China**

**The Seventh Edition**

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**Researched & Prepared by:**

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## 1. Introduction

*Production and Market of Melamine in China*, finished in July 2017, is CCM's seventh edition report on China's melamine industry. This intelligent report attaches importance to the following parts:

- Production, consumption, price, import & export of melamine in China
- Governmental policies and technology of melamine production in China.
- Forecasts on production and consumption of melamine in China.

## 2. Approach for this report

This report is based on data collected with diverse methods, which are listed as follows:

### - Desk research

Desk research includes access to published magazines, journals, government statistics, industry statistics, customs statistics, association seminars as well as information on the Internet. Most of the information has been arranged and analysed. When necessary, CCM initiated internal verification and discussion to make sure the information is reliable.

### - Field survey

CCM has researched on the melamine market in China via telephone interviews.

The respondents included:

- Key producers
- Key end users
- Key traders
- Raw material suppliers
- Industrial associations
- Experts in related fields

### - Network search

CCM employed network to contact industry participants by using B2B websites and software.

### - Data processing and presentation

The data collected and compiled was variously sourced from:

- CCM's database
- Published articles from periodicals, magazines, journals and third party databases
- Statistics from governments and international institutes
- Telephone interviews with domestic producers, joint ventures, suppliers and government agencies
- Customs statistics
- Comments from industrial experts
- Industrial databases
- Information from the Internet

The data has been processed and cross-checked to ensure that this report is as accurate and methodologically sound as possible. Throughout the process, a series of discussions were held within CCM to systematically analyse the data and draw appropriate conclusions.



### 3. Executive summary

China is currently the biggest melamine producer and supplier in the world. The domestic melamine capacity reached XXX t/a in 2016, accounting for XXX% of the global total, while the domestic output of melamine was XXX tonnes.

As of June, 2017, there were XXX major active melamine producers in China. Most of them were located in Sichuan, Shandong, Henan provinces, and Xinjiang Uygur Autonomous Region where there is abundant coal or natural gas supply.

More and more melamine producers choose to adopt low cost and effective domestic methods as technology developed. Currently, the most commonly adopted method in melamine production is pressurized gas quenching method, following by Chinese modified method and EUROTECNICA EUROMEL®.

The melamine capacity almost tripled during 2006–2016. However, the average operating rate of melamine dropped to XXX% during 2012–2016 due to overcapacity.

About XXX% of total melamine output was exported every year from China. The export volume of melamine was XXX tonnes in 2016, with a CAGR of XXX% from 2012 to 2016.

The average price of melamine was USDXXX/t in 2016, decreased by XXX% compared to that in 2014.

In 2016, the consumption share of melamine in laminate industry was XXX%, following by XXX% in coating industry and XXX% in papermaking, textile and leather industries in China. The consumption share of melamine in coating industry had increased from XXX% in 2014 to XXX% in 2016. No evident change was found in the share of melamine consumption in other downstream industries.

#### 4. What is in the report?

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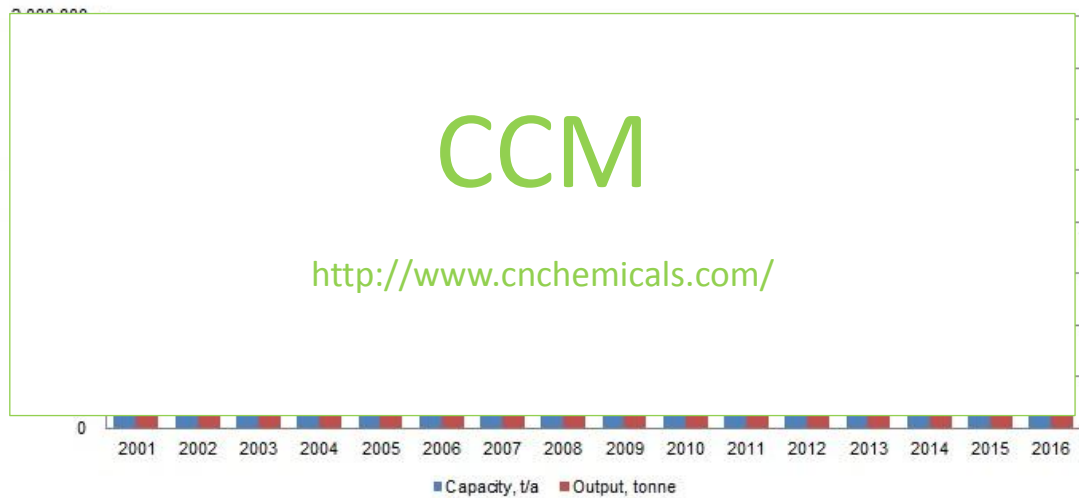
##### 1.1 Production of melamine before 2016

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In 2014, there were XXX major melamine producers in China, with the total capacity and output of XXX t/a and XXX tonnes respectively. Most of the large-scale melamine producers in China were also producing urea. Melamine producers were mainly located in Sichuan, Shandong, Henan, Shanxi and Hebei provinces, since they have abundant coal or natural gas resources.

From 2015 to 2016, the capacity of melamine kept expanding while the growth rate of output was in a downtrend. There were XXX major melamine producers with the total capacity and output of XXX t/a and XXX tonnes respectively by the end of 2016.

Figure 1.1-1 Production of melamine in China, 2001–2016



Source: CCM

...



### 1.2.1 Summary of Producers

...


Table 1.2.1-1 Top XXX melamine producers by capacity in China, 2016

No.	Company	Abbreviation	Location	Status, as of May 2017	Capacity, t/a, 2016
1	 <a href="http://www.cnchemicals.com/">http://www.cnchemicals.com/</a>				
2					
3					
4					
5					
6					
7					
8					
...					

Source: CCM

...

Table 1.2.1-2 Summary of melamine technologies for top the XXX melamine producers in China, 2016

No.	Company	Capacity, t/a	EUROTECNICA EUROMEL®	Pressurized gas quenching method	Modified low-pressure method	DSM	Jiuyuan low-pressure method	Chinese modified method	Others
1	 <a href="http://www.cnchemicals.com/">http://www.cnchemicals.com/</a>								
2									
3									
4									
5									
6									
...									

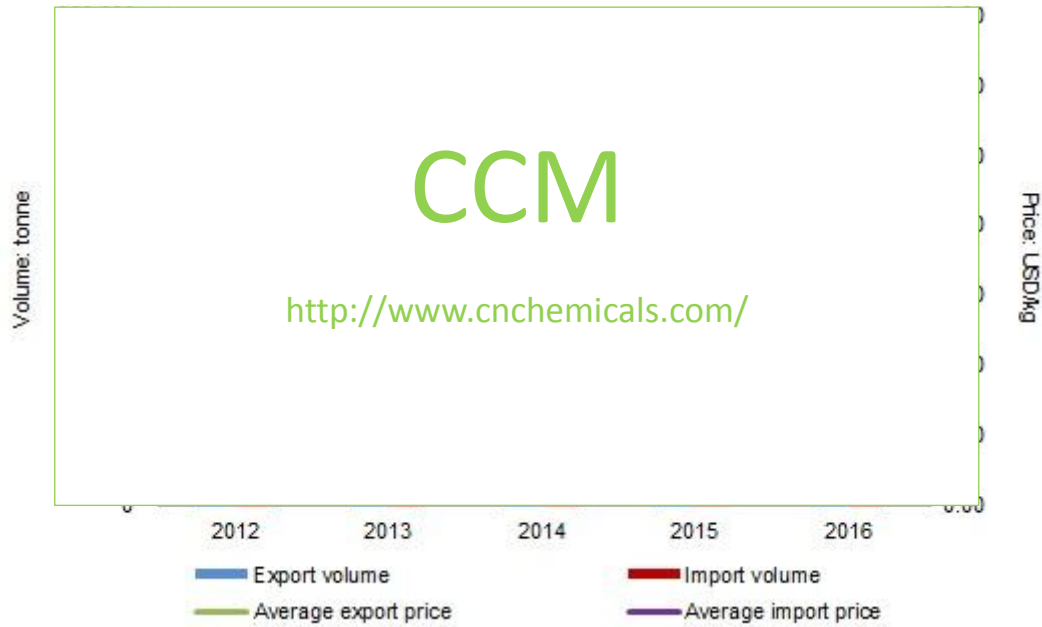
Source: CCM

...

## 2 Import and export analysis of melamine in China, 2012–2016

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Figure 2.2-1 Imports and exports of melamine in China, 2012–2016



Source: China Customs, CCM

...

### 2.3.1 Import analysis

Figure 2.3.1-1 Monthly imports of melamine in China, 2016



Source: China Customs, CCM

...

#### 4 Consumption of melamine in China

The application of melamine in China is similar to that in overseas countries, primary in wood processing, plastics, adhesives, coatings, etc. Major consumption regions of melamine are South China and East China.

The CAGR of melamine consumption was about XXX% from 2001 to 2007. The demand for melamine became steady since 2008, with a CAGR of XXX% during 2008–2014. The growth of melamine consumption in traditional manufacturing industries had slowed down with the slow growth of these industries. Melamine application in innovative fields was still at research stage.

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#### 6.2.1 Forecast on production

...

The growth in melamine output will be moderate in the coming five year. There is a steady demand for melamine from its downstream industries. One of the major factors of growth in melamine output would be the growth in export volume. The CAGR of melamine output from 2017 to 2021 is estimated to be XXX%, with an average operating rate of XXX%.

Figure 6.2.1-1 Forecast on the melamine production in China, 2017–2021



Source: CCM

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