

Note: Key data/information in this page is hidden, while in the report is not.

II Production

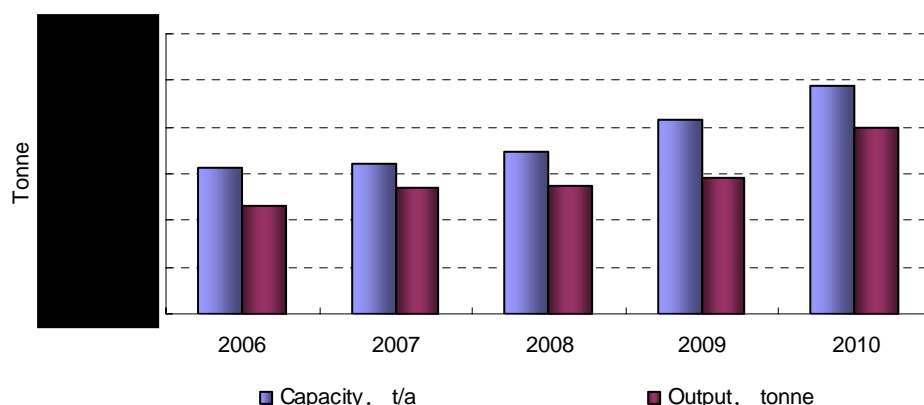
II-1 Production status of 1,3-butadiene in China

China is one of the largest producer of 1,3-butadiene in the world. Up to May 2011, China's capacity of 1,3-butadiene is about [REDACTED] t/a, accounting for about [REDACTED] % of the total in the world. With the increasing capacity and output of 1,3-butadiene in past 10 years, China's self sufficiency rate [REDACTED] from [REDACTED] % in 2001 to [REDACTED] % in 2010.

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Since 2006, driven by the demand form the downstream industry, 1,3-butadiene capacity in China had [REDACTED]. 1,3-butadiene capacity has increased from [REDACTED] t/a in 2006 to [REDACTED] t/a in 2010. [REDACTED] in 2009 and 2010, the newly added capacity in China is about [REDACTED] t/a and [REDACTED] t/a respectively and the growth rate is [REDACTED] % and [REDACTED] % respectively.

Figure II-1.1 Production status of 1,3-butadiene in China, 2006-2010



Source: CCM International

II-2 Summary of 1,3-butadiene producers in China

There are about [REDACTED] active manufacturers of 1,3-butadiene in China. All are owned or partly owned by [REDACTED]. The main producers are [REDACTED], [REDACTED] and [REDACTED].

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Up to May 2011, the capacity of 1,3-butadiene in [REDACTED] has been about [REDACTED] t/a, accounting for [REDACTED] % of the total in China. And the capacity of 1,3-butadiene in [REDACTED] is about [REDACTED] t/a. It means that more than [REDACTED] % of China's 1,3-butadiene are controlled by [REDACTED] and [REDACTED] in China.

Table II-2.1 1,3-Butadiene producers in China, 2011

No.	Manufacturer	Abbr.	Capacity'11, t/a	Output'10, tonne
1	Sinopec Yangzi Petrochemical Co.,Ltd.	Sinopec Yangzi		
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22			100,000	72,000
Total				

Source: CCM International

IV Consumption

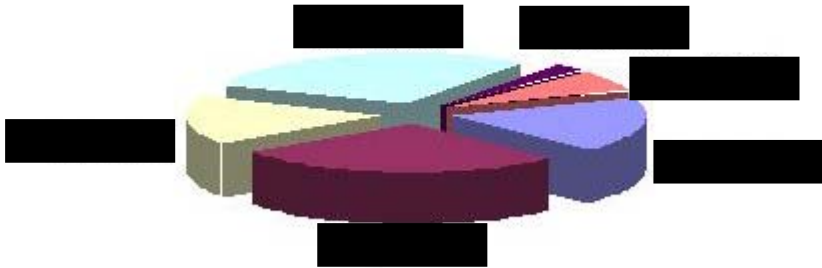
With the rapid development of downstream industry of 1,3-butadiene in China, the apparent consumption of 1,3-butadiene witnesses an [REDACTED] from 2006 to 2010. The apparent consumption of 1,3-butadiene in China [REDACTED] form [REDACTED] tonnes in 2006 to [REDACTED] tonnes in 2010, with the CAGR of [REDACTED]%. And with the further development of the downstream industry, the consumption would continue to increase in the future in China.

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IV-1 Consumption pattern of 1,3-butadiene in China

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Figure IV-1.1 Consumption structure of 1,3-butadiene in China, 2010



Source: CCM International

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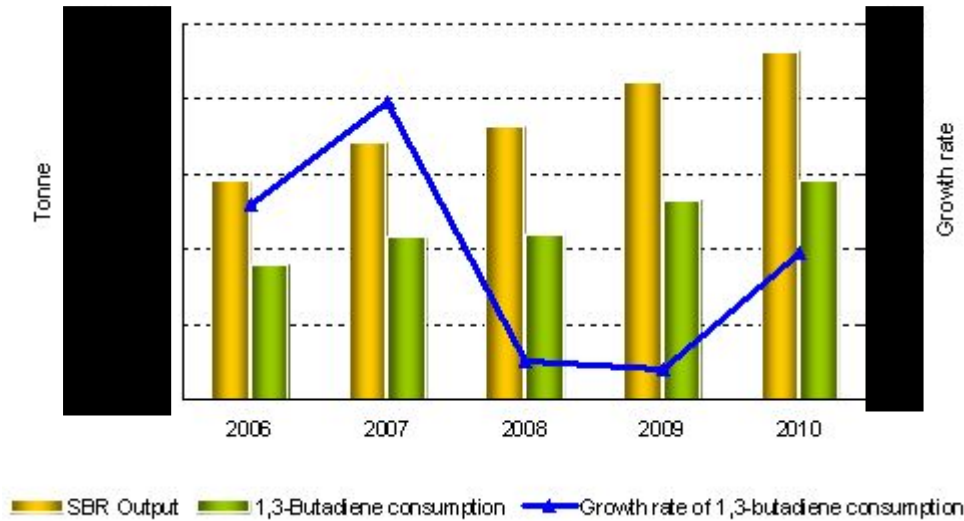
IV-2 Main application

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IV-2-2 SBR

Styrene-butadiene rubber (SBR), [redacted] consumption field of 1,3-butadiene in China in 2010. From 2006 to 2009, 1,3-butadiene consumption in SBR witnessed [redacted] except [redacted] when [redacted], with the CAGR of about [redacted] %.

Figure IV-2-2.1 Output of SBR and 1,3-butadiene consumption in SBR in China, 2006-2010



Source: CCM International

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Table IV-2-2.1 Main end users of 1,3-butadiene in SBR in China, 2011

No.	Manufacturer	Abbr.	Product	Capacity, t/a	Demand of 1,3-butadiene, t/a	Supplier of 1,3-butadiene
1	Sinopec Qilu Petrochemical Co.,Ltd.	Sinopec Qilu	SBR			
2						
3						
4						
5						Shanghai Secco
6						
7						
8						
9						
10						
11						
12				30,000	13,700	

Source: CCM International

V Supply-demand gap of 1,3-butadiene in China

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Table V-1 Demand gap of 1,3-butadiene in China, 2006-2010

Year		2006	2007	2008	2009	2010
	Net import volume, tonne	1,998,958				
	Net import equivalent of 1,3-butadiene, tonne					
SBR	Net import volume, tonne					
	Net import equivalent of 1,3-butadiene, tonne					
	Net import volume, tonne					
	Net import equivalent of 1,3-butadiene, tonne					
	Net import volume, tonne					
	Net import equivalent of 1,3-butadiene, tonne					
	Net import volume, tonne					
	Net import equivalent of 1,3-butadiene, tonne					
	Net import volume, tonne					
	Net import equivalent of 1,3-butadiene, tonne					
Net import of 1,3-butadiene, tonne					257,758	
Demand gap of 1,3-butadiene, tonne				837,463		

Source: CCM International