

Sodium Borohydride Market in China

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1. Introduction

The report provides you with detailed information of the sodium borohydride industry in China, including major manufacturers, production capacity, price and consumption.

2. Approach in this report

The report is based on data sourced by diverse methods, 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. Much work has gone into the compilation and analysis of the information obtained. Where necessary, information has been checked with Chinese sodium borohydride participants regarding intelligence related to market structure and performance characteristics as key producers, key end users, production levels, end user demand and so on.

- Survey

CCM has conducted an extensive survey using telephone interviews in order to study the market of sodium borohydride in China.

The interviewees included the following groups:

- Key producers
- Key end users
- Key traders
- Material suppliers
- Associations involved
- Industry experts

- Network search

CCM employs a network to contact industry participants by using B2B websites and software. CCM also obtains registration information via the network.

- 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, service suppliers and government agencies
- Third-party data providers

- Comments from industrial experts
- Professional databases
- Information from the Internet

The data has been combined 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 analyze the data and draw appropriate conclusions.

3. Executive summary

At present, the sodium borohydride industry is facing overcapacity in China. The capacity increased slightly from XXX t/a in 2016 to XXX t/a in 2020, with a CAGR of XXX. In 2020, the output of sodium borohydride was XXX tonnes, and the operating rate in the whole industry was just about XXX.

In 2016–2020, the annual average ex-works price of sodium borohydride fluctuated between XXX and XXX. With the slowly increasing demand from downstream industries, competition in the sodium borohydride industry is intense.

In 2020, scholars in China developed a new route for the synthesis of sodium borohydride, which has not yet been used in industrial production. This theoretical study will be a breakthrough in the field of hydrogen production from sodium borohydride. At present, Schlesinger route and Bayer route are the two production technologies of sodium borohydride. Almost all manufacturers use the Schlesinger route in China.

As a selective reducing agent, sodium borohydride is mainly used in pharmaceutical and agrochemical industries, and these two fields accounted for 87% of the total consumption in 2020. However, these two fields saw diverging development trends in the past few years. Pharmaceutical industry had its share to the total consumption expand from XXX in 2016 to XXX in 2020. On the contrary, agrochemical industry saw the share decrease from XXX in 2016 to XXX in 2020. In other fields, the consumption volume kept small.

Sodium borohydride is threatened by some substitutes, especially potassium borohydride, which has almost the same properties but at a lower price. Although there are some producers in downstream industries turning to potassium borohydride, it has not yet fully replaced sodium borohydride.

4. What is in this report?

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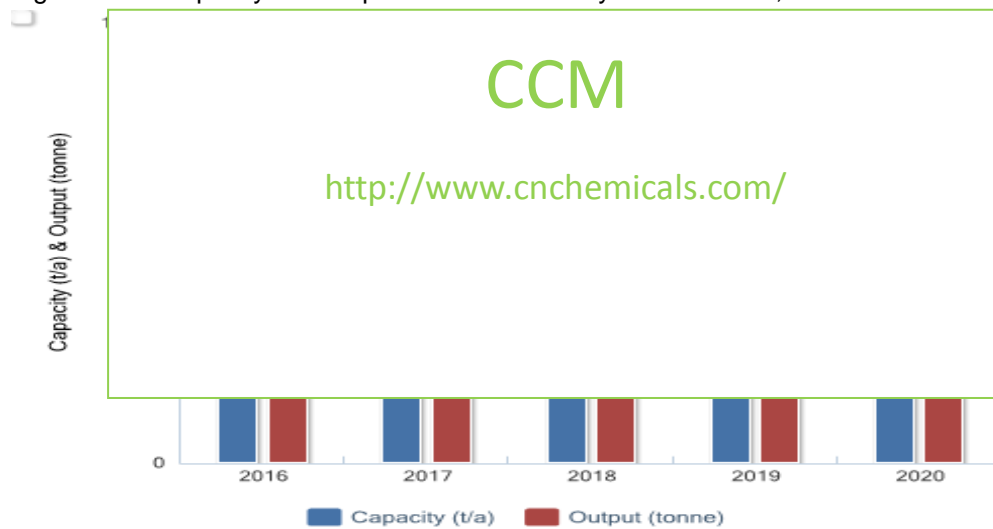
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2 Production

2.1 Capacity and output, 2016–2020

China's sodium borohydride production capacity increased from XXX t/a in 2016 to XXX t/a in 2020, at a CAGR of XXX in 2016–2020. However, the output went down from XXX tonnes in 2017 to XXX tonnes in 2020, at a CAGR of XXX in 2017–2020.

Figure 2.1-1 Capacity and output of sodium borohydride in China, 2016–2020



Source: CCM

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2.2 Producer

There were about XXX active sodium borohydride manufacturers in China in 2020. Most of them are located in coastal provinces like Jiangsu Province and Shandong Province, since pharmaceutical and agrochemical industries, which consume the highest volume of sodium borohydride, are more developed there.

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Table 2.2-1 Basic information of major producers of sodium borohydride in China, 2020

No.	Manufacturer	Abbreviation	Location	Status, 2020	Ownership	Year of establishment	Registered capital, RMB
1	Shandong Guobang Pharmaceutical Co., Ltd.	xxx	xxx	xxx	xxx	xxx	xxx
2	xxx	xxx	xxx	xxx	xxx	xxx	xxx
...
5	xxx	xxx	xxx	xxx	xxx	xxx	xxx

Source: CCM

2.2.1 Production situation, 2016–2020

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Table 2.2.1-1 Capacity and output of major producers of sodium borohydride in China, 2016–2020

No.	Manufacturer	Status, 2020	Capacity, t/a					Output, tonne				
			2020	2019	2018	2017	2016	2020	2019	2018	2017	2016
1	Shandong Guobang Pharmaceutical Co., Ltd.	Active	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX
2	...	...	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX
3	...	...	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX
4	...	...	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX
Other			XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX
Total			XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX

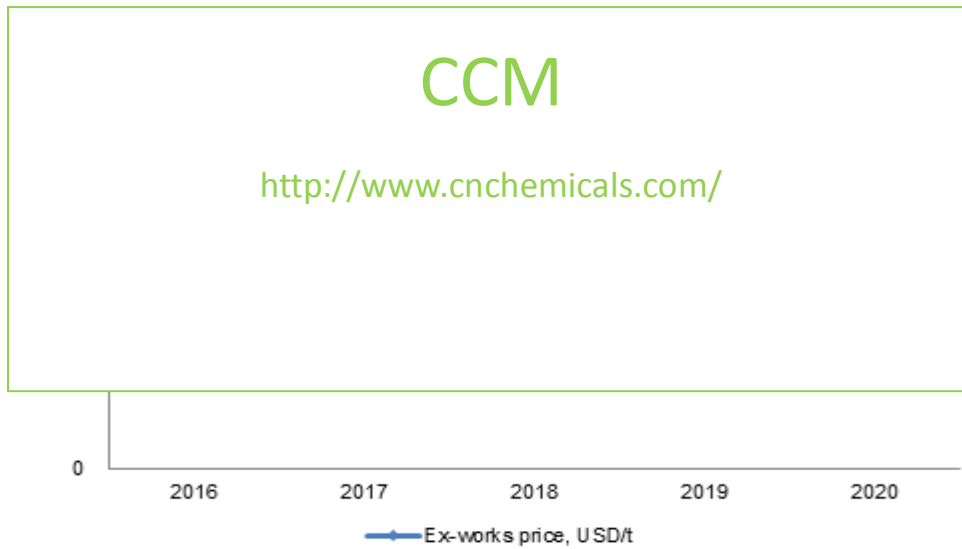
Source: CCM

2.3 Price analysis

Generally speaking, the annual average ex-works price of sodium borohydride fluctuated between XXX and XXX.

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Figure 2.3-1 Ex-works price of sodium borohydride, 2016–2020



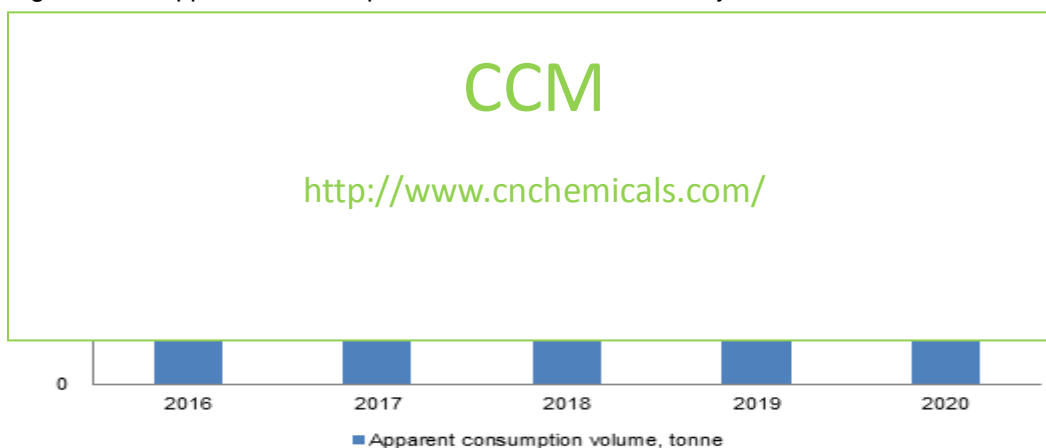
Source: CCM

3 Consumption

3.1 Overview, 2016–2020

In general, the consumption volume of sodium borohydride was in an uptrend overall in 2016–2020 in China. The consumption volume of sodium borohydride increased from XXX tonnes in 2016 to XXX tonnes in 2020, at a CAGR of XXX.

Figure 3.1-1 Apparent consumption volume of sodium borohydride in China, 2016–2020



Source: CCM

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