

Survey of Hydrazine Hydrate in China

The First Edition

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Researched & Prepared by:

Kcomber Inc.

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1. Introduction

Survey of Hydrazine Hydrate in China, finished in December 2020, is CCM's first edition report on China's hydrazine hydrate market, focusing on manufacturing processes, cost of production and existing manufacturers.

Region scope: China

Time scope: primarily 2017 to 2019 unless otherwise stated

2. Approach for this report

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

Desk research

This includes access to published magazines, journals, government, industry and customs statistics, association seminars as well as information from the Internet. A lot of work has gone into the compilation and analysis of the obtained information. Data collected and compiled are variously sourced from:

- CCM's database
- Published articles from periodicals, magazines, journals, and third-party database
- Statistics from governments and international institutes
- Customs statistics
- Comments from industrial experts on various platforms
- Information from the Internet

Telephone interview targets

- Key producers
- Key traders
- Industrial associations
- Industrial experts

Data compilation and crosscheck

Data obtained from various sources have been combined and cross-checked to ensure that this report is as accurate and methodologically sound as possible.

3. Executive summary

In China, hydrazine hydrate (HHZ) producers mainly adopt two production methods, namely urea process and Bayer ketazine process. Bayer ketazine process is taken by the majority of producers in China due to its advantages of high yield and low cost. Production cost of urea process is higher because of large consumption of raw materials. However, during effluent treatment process, substantial economic benefits can be recovered, which makes the urea process still competitive in the hydrazine hydrate industry. Overseas, it is popular to use peroxide process to produce HHZ.

As of Dec. 2019, there were XXX active HHZ manufacturers in China. The total capacity in China increased from XXX t/a in 2018 to XXXX t/a in 2019, while the output reduced from XXX tonnes to XXX tonnes due to stricter environmental protection requirements and inspections.

In China, HHZ is mainly consumed in the synthesis of blowing agent as well as pesticides, pharmaceuticals and the intermediates. Besides, hydrazine hydrate and its derivatives are widely used in many other sectors, as corrosion inhibitor, water treatment agent, rocket fuel and etc.

4. What is in the report?

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

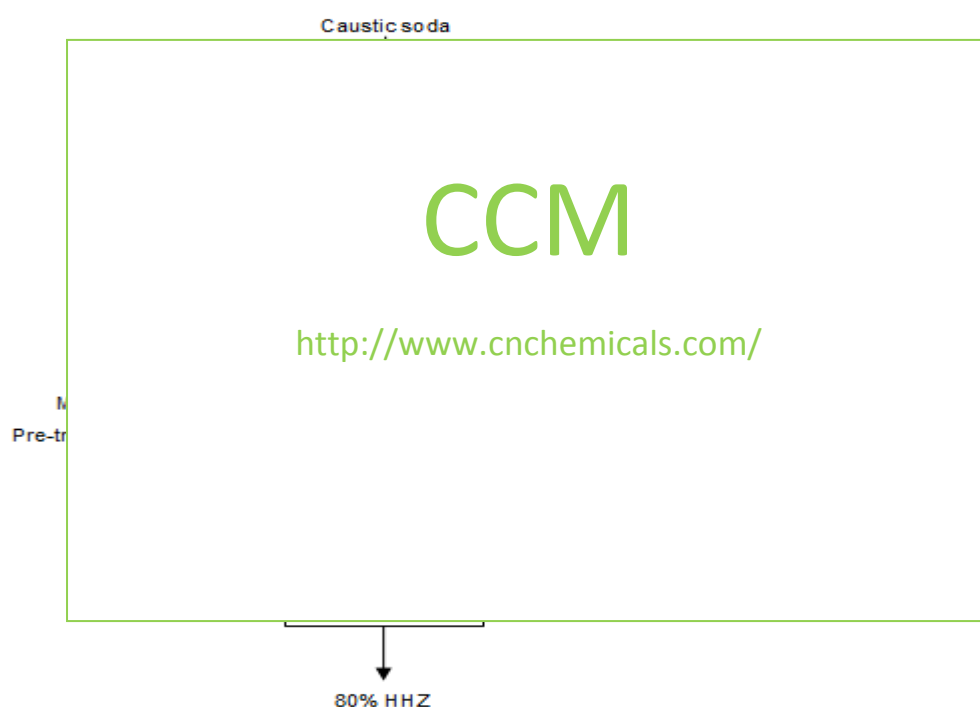
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1.1 Existing technology and equipment

Currently, there are mainly three hydrazine hydrate (HHZ) production methods in the world, namely urea process, Bayer ketazine process and peroxide process.....

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Figure 1.1-2 Flowchart of HHZ production by Bayer ketazine process



Source: CCM

...

2 Supply

2.1 Capacity and output of hydrazine hydrate in China, 2017–2019

Table 2.1-1 Capacity and output of major hydrazine hydrate producers in China, 2017–2019

No.	Producer	Location	Technology	Status, 2019	Capacity, t/a			Output, tonne		
					2019	2018	2017	2019	2018	2017
1	Ningxia Risheng Hi-tech Industry Co., Ltd.	...	...	Active	...	...	...	...	...	...
...
Total					...	...	...	...	...	...

Source: CCM

...

3 Price

3.1 Ex-works price of hydrazine hydrate, 2019–Sept. 2020

Figure 3.1-1 Ex-works price of hydrazine hydrate in China, Jan. 2019–Sept. 2020



Source: CCM

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4 Overview of hydrazine hydrate consumption in China

Figure 4-1 Consumption volume of HHZ in China, 2017–2019



Source: CCM

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