CCM Data & Business Intelligence

Survey of Inorganic Fluoride in China

The Sixth Edition

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1. Introduction

This report mainly studies the market dynamics of inorganic fluoride industry in China, which covers the production, price, imports & exports of main inorganic fluoride products. Besides, a future forecast on the development trend for these products will be analysed in this report. The main products for this study consist of anhydrous hydrogen fluoride, aluminum fluoride, cryolite and lithium hexafluorophosphate, etc.

The key points of this report are listed as below:

- Production of inorganic fluorides in China
- Price analysis of main inorganic fluoride products in China
- Analysis on imports and exports of main inorganic fluoride products in China
- Future forecast on development trend for inorganic fluoride in China

2. Approach for the report

The report is drafted by diverse methods as follows:

1. Desk research

The sources of desk research are various, including published magazines, journals, government statistics, industrial statistics, customs statistics, seminars as well as information from the internet. A lot of work has gone into the compilation and analysis of the obtained information. When necessary, checks have been made with Chinese suppliers regarding production information.

2. Telephone interviews

CCM has carried out extensive telephone interviews to compile this report. Interviewees cover the following:

- Key producers
- Key traders
- Material suppliers
- Associations
- Experts

3. Data processing and presentation

The data collected and compiled are sourced from:

- CCM's database
- Published articles from periodicals, magazines and journals, and third-party databases
- Statistics from governments and international institutes
- Telephone interviews with domestic producers, service suppliers, governments, etc.
- Third-party data providers
- Comments from industrial experts
- Professional databases from other sources
- Information from the internet

The data from various sources have been combined and cross-checked to make this report as precise and scientific as possible. Throughout the process, a series of internal discussions took place in order to analyse the data and draw conclusions from them.

3. Executive summary

Fluorine chemical industry has been one of the fastest developing and most promising chemical industries in China. China has become a major fluorine chemical producer as well as a big consumer. At present, great progress has been made in the research and development of inorganic fluorides in China. Inorganic fluorides have been widely used in chemical, mechanical, optical instrument, electronic and medical fields and become important chemical products in the national economy.

As the largest producer of anhydrous hydrogen fluoride (AHF) in the world, China had total capacity of XXX t/a in 2021, and achieved an output of XXX tonnes. AHF is vital to the development of fluorine industry, and the demand for AHF will be bolstered by improved demand in the future.

China is also the largest producer of aluminum fluoride and cryolite in the world. In 2021, the domestic capacity of aluminum fluoride and cryolite were XXX t/a and XXX t/a respectively. At present, aluminum fluoride and cryolite industries have been affected by the supply-side reform in electrolytic aluminum industry, and the capacity and output have been on the decline.

Production of lithium hexafluorophosphate developed fast in the past five years. In 2021, the total capacity in China increased to XXX t/a, and the output jumped to XXX tonnes. It is expected that the growth momentum will continue with promising new energy vehicle market.

4. What's in this report?

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

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2 Production and market situation of major products

2.1 Anhydrous hydrogen fluoride

2.1.1 Production situation

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In 2017–2021, China's AHF capacity witnessed a slight upward momentum, increasing to XXX t/a in 2021. The output also maintained an overall growth trend, except that the figure in 2020 slipped to XXX tonnes, due to delayed production resumption and thus decreased operating rate under the COVID-19 pandemic. In 2021, thanks to effectively eased COVID-19 situation at home and rising demand from downstream industries, the AHF output rebounded to XXX tonnes, up by XXX% year on year.

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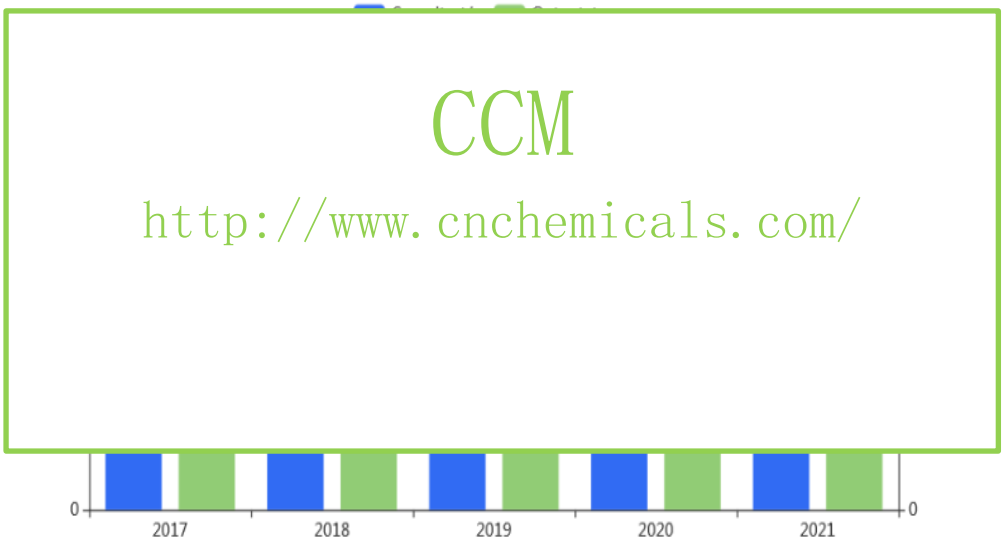
Figure 2.1.1-1 Capacity and output of AHF in China, 2017–2021



Source: CCM

Table 2.1.1-1 Main active AHF manufacturers in China, 2020–2021

No.	Producer	Location	Capacity, t/a		Output, tonne	
			2021	2020	2021	2020
1	Dongyue Group Ltd.	Shandong	XXX	XXX	XXX	XXX
2	Do-Fluoride New Materials Co., Ltd. (formerly known as Do-fluoride Chemicals Co., Ltd.)	Henan	XXX	XXX	XXX	XXX
…	…	XXX	XXX	XXX	XXX	XXX

Source: CCM

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Table 2.1.1-2 Capacity and share of main AHF manufacturers in China, 2020–2021

Item	Capacity, 2021		Capacity, 2020	
	Volume, t/a	Share	Volume, t/a	Share
Top five	XXX	XXX	XXX	XXX
Top ten	XXX	XXX	XXX	XXX
Total	XXX	XXX	XXX	XXX

Source: CCM

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2.1.2 Price

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Figure 2.1.2-1 Monthly ex-works price of AHF in China, Jan. 2017–June 2022

Source: CCM

2.1.3 Import and export

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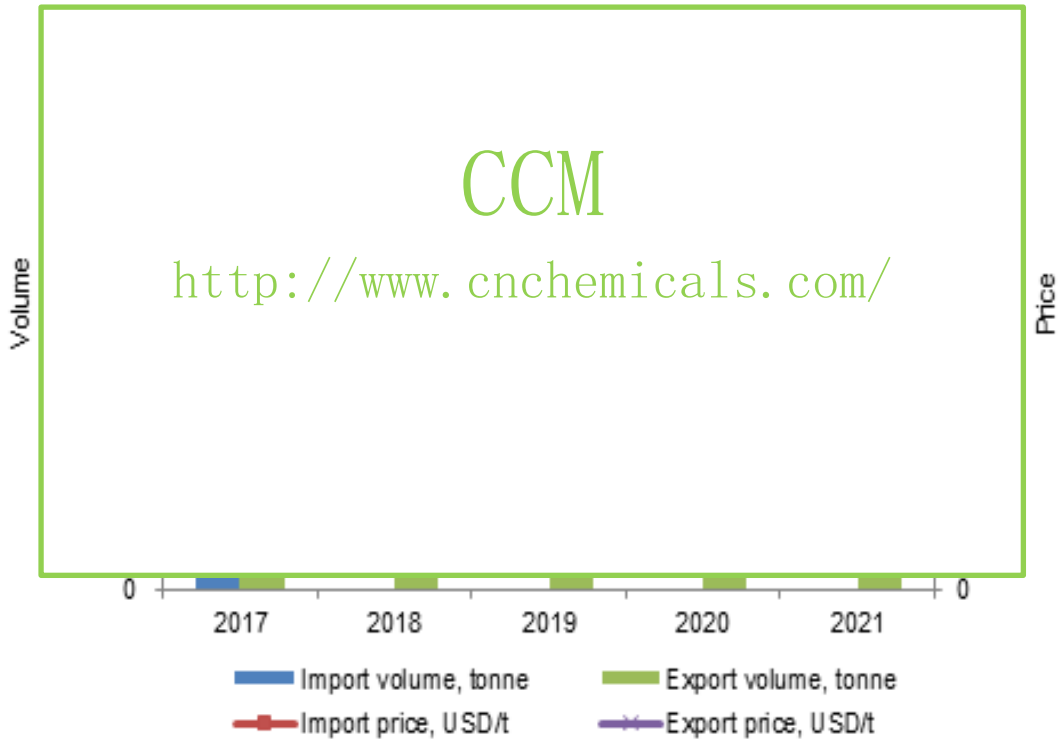
Figure 2.1.3-1 Import and export of AHF in China, 2017–2021



2.1.4 Future trends

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Table 2.1.4-1 List of projects expected to be built up and operate in the near future

No.	Enterprise	Expansion, t/a	Expected finish time
1	Chifeng Pengfeng Chemical Co., Ltd.	XXX	XXX
…	…	XXX	XXX

Source: CCM

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If you want more information, please feel free to contact us
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