

Production and Producer of Sodium Gluconate and Glucono-delta-lactone in China

The First Edition

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1 Introduction

This report is a value chain analysis of the sodium gluconate and glucono-delta-lactone industry in China, which covers the production, major producers, price, production technology and raw material of sodium gluconate and glucono-delta-lactone, and presents the overall development of the industry during 2016–2019.

What had happened to the industries during 2016–2019? How about the performance of the producers? What are the new production technologies? Answers to these questions can be found in this intelligent report.

The key points of this report are listed as below:

- Production of sodium gluconate and glucono-delta-lactone (capacity, output) by volume in China in 2016–2019
- Production technology and key manufacturers information of sodium gluconate and glucono-delta-lactone
- Market of raw materials in 2016–2019
- Price development in 2016–2019

2 Executive summary

Sodium gluconate (SG), the sodium salt of gluconic acid, is used in concrete additive, water quality steadying agent, food and electroplating detergent industries in China. Glucono-delta-lactone (GDL) is a harmless food additive to human body. During the past two years, these two industries have seen increasing output and consumption in China.

- Sodium gluconate

As of XXX, there were XXX manufacturers with SG capacity greater than XXX. The output of the top four SG producers in XXX accounted for XXX of total national SG output. In XXX, SG output in China increased to XXX tonnes, up XXX year on year, encouraged by growing demand at home and abroad.

As the price of raw material corn came down in XXX, the annual average ex-works price of SG dropped to XXX, down XXX year on year.

As to SG production technology, enzyme method has developed rapidly in recent years thanks to no fungal residue and less energy consumption.

- Glucono-delta-lactone

As of XXX, there were XXX active GDL producers in China. Capacity of the top XXX producers accounted for XXX of the national total. The output of GDL increased during XXX due to the growing demand from home and abroad, with GDL operating rate of XXX in XXX and about XXX in XXX.

As people's health consciousness constantly enhanced, the demand for GDL grew at XXX annually in recent years. The growth of demand outpaced that of supply, so the price was at a high level in XXX and XXX. Besides, XXX had strong pricing power after taking charge of large part of domestic GDL sales.

Moreover, there are four methods for GDL production, namely fermentation method, catalytic oxidation method, glucose oxidase method and electrolytic oxidation method, with glucose or starch as starting material.

3 What is in the report?

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Figure 1.1-1 Capacity and output of sodium gluconate in China, 2013–2019

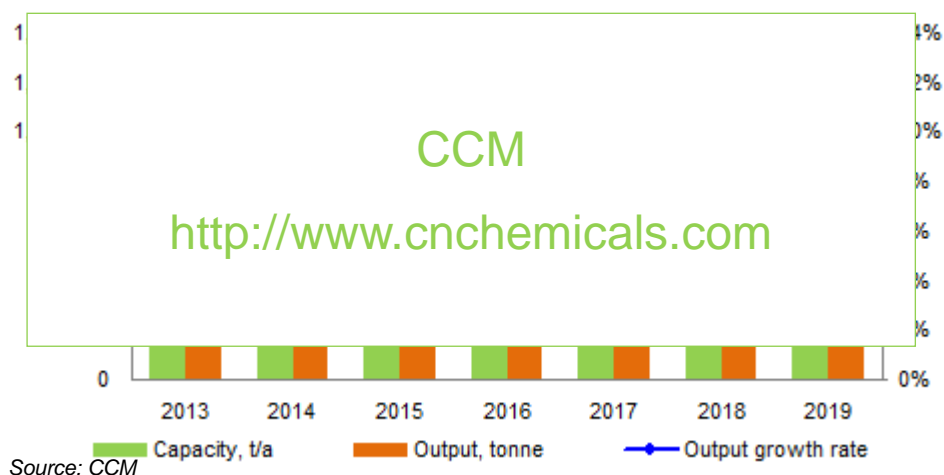


Table 1.2-2 Capacity and output of major sodium gluconate producers in China, 2016–2019

No.	Producer	Capacity, t/a				Output, tonne							
						2019		2018		2017		2016	
		2019	2018	2017	2016	Solid	Liquid	Solid	Liquid	Solid	Liquid	Solid	Liquid
1	Shandong Fuyang	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX
2	Zhucheng Xingmao	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX
...	...	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX
Total		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX

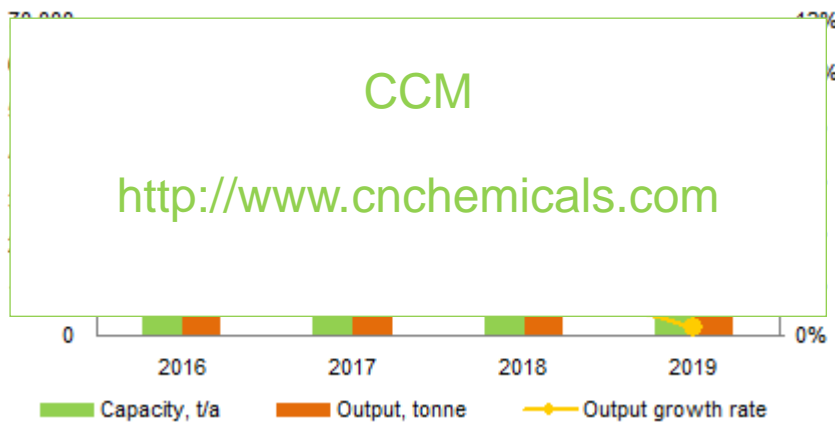
Source: CCM

Figure 1.2-2 Output distribution of sodium gluconate in China, 2019



Source: CCM

Figure 2.1-1 Capacity and output of GDL in China, 2016–2019



Source: CCM

Table 2.1-2 Capacity and output of GDL producers in China, 2016–2019

No.	Producer	Capacity, t/a				Output, tonne			
		2019	2018	2017	2016	2019	2018	2017	2016
1	Shandong Hongsheng	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX
2	Shandong Kaixiang	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX
...	...	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX
Total		XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX

Source: CCM

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