

# Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) L-serine Market 2018, Forecast to 2023

<https://marketpublishers.com/r/GC13C6908CEEN.html>

Date: July 2018

Pages: 133

Price: US\$ 4,880.00 (Single User License)

ID: GC13C6908CEEN

## Abstracts

L-serine, a white crystalline solid or powder without odour, is an amino acid with the formula  $\text{HO}_2\text{CCH}(\text{NH}_2)\text{CH}_2\text{OH}$ . It is one of the proteinogenic amino acids.

### SCOPE OF THE REPORT:

This report focuses on the L-serine in global market, especially in North America, Europe and Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application. L-Serine, a white crystalline solid or powder, is usually used as APIs during the medicine synthesis. Also, it can be used in other industries, such as food industry, cosmetics industry and so on.

Among those applications, demand from pharm industry accounted for the largest consumption proportion, which was 44.80% in 2015, followed by food industry with the share of 43.64%.

In the past few years, limited by technology issues, the production of L-serine was mainly dominated by the companies from Europe, USA and Japan. Actually, although some new companies from developing countries, such as China, have entered into the industry, they have to face the technology obstacles, such as the yield rate as well as product performance issues. Leading companies, such as Ajinomoto and Evonik, have large market share of L-serine and highest reputation on their L-serine.

Japan, USA and Europe are the major production bases of L-serine in the world. The three regions held about 77% production share in 2015. As for China, since Ajinomoto, Evonik as well as other companies built plants in the region in the past few years, the country's L-serine business also develops fast.

Refers to consumption, Europe is the largest consumer. The region consumed about

1870 MT L-serine in 2015. The follower is USA, which consumed about 1450 MT.

Considering the current status, information revealed that the L-serine market will keep increasing in the coming years. It is believed that more and more companies will enter in the field once the technology barrier is broken. Also, the industry will witness fierce competition and price decline further in the next few years.

The worldwide market for L-serine is expected to grow at a CAGR of roughly 2.2% over the next five years, will reach 330 million US\$ in 2023, from 290 million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

Ajinomoto

Evonik

Kyowa Hakko Bio

Mitsui Chemicals

Amino

Bafeng Pharmaceutical & Chemical

Jinghai Amino Acid

Tianan Pharmceuticals

Jiahe Biotech

Huayang Chemical

Puyer BioPharm

Market Segment by Regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia and Italy)

Asia-Pacific (China, Japan, Korea, India and Southeast Asia)

South America (Brazil, Argentina, Colombia etc.)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

Pharm Grade

Food Grade

Market Segment by Applications, can be divided into

Pharmaceutical

Food

Cosmetics

Others

There are 15 Chapters to deeply display the global L-serine market.

Chapter 1, to describe L-serine Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of L-serine, with sales, revenue, and price of L-serine, in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;

Chapter 4, to show the global market by regions, with sales, revenue and market share of L-serine, for each region, from 2013 to 2018;

Chapter 5, 6, 7, 8 and 9, to analyze the market by countries, by type, by application and by manufacturers, with sales, revenue and market share by key countries in these regions;

Chapter 10 and 11, to show the market by type and application, with sales market share and growth rate by type, application, from 2013 to 2018;

Chapter 12, L-serine market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe L-serine sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

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