

# Global High Selectivity Phosphoric Acid (HSP) Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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## Abstracts

According to our (Global Info Research) latest study, the global High Selectivity Phosphoric Acid (HSP) market size was valued at USD 287.1 million in 2023 and is forecast to a readjusted size of USD 458.8 million by 2030 with a CAGR of 6.9% during review period.

In 3D NAND manufacturing process, dozens of layers of SiO<sub>2</sub> and SiN are deposited, and the SiN layer is selectively removed using hot phosphorous. High selectivity phosphoric acid (HSP) can selectively etch SiN while leaving SiO<sub>2</sub>. In this process, the desired etching rate can be achieved by controlling the concentration and temperature of the phosphoric acid solution. Usually, the concentration of HSP solution is not lower than 85%.

In the High Selectivity Phosphoric Acid (HSPA) industry, Soulbrain, Shanghai Sinyang, LTCAM Co. and Xingfa Group are the four industry leaders. Together, these four companies account for more than 99% of the industry's production capacity. China and South Korea are the major producers of the product, with South Korea holding about 70% of the market share. The product is categorised into thermal phosphoric acid and other phosphoric acids, which are mainly used for 3D printing of different layers.

The Global Info Research report includes an overview of the development of the High Selectivity Phosphoric Acid (HSP) industry chain, the market status of 96 Layer and Below 3D NAND (Thermal Process, Other), 128-Layer 3D NAND (Thermal Process, Other), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of High Selectivity Phosphoric Acid (HSP).

Regionally, the report analyzes the High Selectivity Phosphoric Acid (HSP) markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global High Selectivity Phosphoric Acid (HSP) market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the High Selectivity Phosphoric Acid (HSP) market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the High Selectivity Phosphoric Acid (HSP) industry.

The report involves analyzing the market at a macro level:

**Market Sizing and Segmentation:** Report collect data on the overall market size, including the sales quantity (Tons), revenue generated, and market share of different by Process (e.g., Thermal Process, Other).

**Industry Analysis:** Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the High Selectivity Phosphoric Acid (HSP) market.

**Regional Analysis:** The report involves examining the High Selectivity Phosphoric Acid (HSP) market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

**Market Projections:** Report covers the gathered data and analysis to make future projections and forecasts for the High Selectivity Phosphoric Acid (HSP) market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to High Selectivity Phosphoric Acid (HSP):

**Company Analysis:** Report covers individual High Selectivity Phosphoric Acid (HSP) manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

**Consumer Analysis:** Report covers data on consumer behaviour, preferences, and attitudes towards High Selectivity Phosphoric Acid (HSP). This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (96 Layer and Below 3D NAND, 128-Layer 3D NAND).

**Technology Analysis:** Report covers specific technologies relevant to High Selectivity Phosphoric Acid (HSP). It assesses the current state, advancements, and potential future developments in High Selectivity Phosphoric Acid (HSP) areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the High Selectivity Phosphoric Acid (HSP) market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

**Market Validation:** The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

## Market Segmentation

High Selectivity Phosphoric Acid (HSP) market is split by Process and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Process, and by Application in terms of volume and value.

### Market segment by Process

Thermal Process

Other

### Market segment by Application

96 Layer and Below 3D NAND

128-Layer 3D NAND

176-Layer 3D NAND

200-300 Layer 3D NAND

Above 300 Layer 3D NAND

#### Major players covered

Soulbrain

Shanghai Sinyang

LTCAM Co.

Xingfa Group

#### Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

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

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe High Selectivity Phosphoric Acid (HSP) product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of High Selectivity Phosphoric Acid (HSP), with price, sales, revenue and global market share of High Selectivity Phosphoric Acid (HSP) from 2019 to 2024.

Chapter 3, the High Selectivity Phosphoric Acid (HSP) competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the High Selectivity Phosphoric Acid (HSP) breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Process and application, with sales market share and growth rate by process, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and High Selectivity Phosphoric Acid (HSP) market forecast, by regions, process and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of High Selectivity Phosphoric Acid (HSP).

Chapter 14 and 15, to describe High Selectivity Phosphoric Acid (HSP) sales channel, distributors, customers, research findings and conclusion.

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