

# Global Phosphoric Acid Market Outlook to 2027

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## Abstracts

Phosphoric acid is a colorless, transparent, odorless, and viscous liquid with a chemical formula  $H_3PO_4$  and it is also called orthophosphoric acid and is explosively acidic even at elevated dilution. According to BlueQuark Research & Consulting, the global Phosphoric Acid market is expected to witness a significant growth rate during the forecasted period. Factors such as increasing demand in the pharmaceuticals, agriculture, food, and beverages, and personal care sector from emerging countries such as Russia, China, and India propel the Phosphoric Acid market. In the Agriculture Industries, Phosphoric acid is a crucial ingredient to manufacture fertilizers and is also worn to provide nutrition to the crops. Furthermore, the surging of Phosphoric Acid consumption in the healthcare and medical sectors is awaited to increase over the coming years. Food-grade phosphoric acid is used in the beverages and food industry to preserve and acidify certain foods and drinks, such as jams and colas, to provide a sour and tangy taste. Most soft drinks comprise phosphoric acid, such as Coca-Cola; they are sometimes called phosphate sodas. In the Pharmaceutical industry, Phosphoric Acid is generally used to prepare anti-nausea medicines; other than that, and it is commonly worn as an intermediate in pharmaceuticals. The prime use of phosphoric acid in the industry lies in dentistry as it uses an etching solution and uses to clean teeth. Phosphoric acid is also worn for whitening teeth and is mainly of the ingredients in mouth washing liquids. The growing popularity of quick-growing chemicals, substitutes for phosphate fertilizers, can restrain the Global Phosphoric Market.

The primary uses of Phosphoric acid are to produce various phosphates and phosphate-based fertilizers, to acidify and preserve food, Soft-drinks, Soaps, and detergents, water treatment, toothpaste. Some other specific applications of phosphoric acid comprise anti-rust treatment by phosphate conversion coating, phosphoric acid fuel cells, compound semiconductor, activated carbon production, microfabrication to etch silicon nitride, sanitizing agent in dairy industries, pH adjuster in skincare products. Phosphoric acid

also has other metallurgical functions, like cleaning precious, unique earth elements.

The most dominating industry of Phosphoric acid is the Agriculture Industry. Sodium carbonate, sodium hydroxide, calcium oxide, calcium carbonate, and potassium hydroxide are generally bases for getting a phosphate of interest. Phosphoric acid is also a primary raw material to produce various phosphates, which are used to produce phosphate fertilizers such as Mono-ammonium phosphate (MAP) and diammonium phosphate (DAP). These phosphate fertilizers are prepared by adding acid to the ground or pulverizing the phosphate rock. DAP is one of the most often used phosphorus fertilizers globally due to its moderately high nutrient content and exceptional physical properties, and it is a widely used fertilizer. For plant feeding, DAP is an essential source of phosphorus and nitrogen. The farming of grains such as barley, wheat, fruits, and vegetables supplies the right proportion of phosphorus and nitrogen. Phosphoric Acid works as a dextrous in the Agriculture Industry. More than fertilizers, it has numerous functions such as pH adjustment, cleansing dripper lines (irrigation equipment) from lime precipitation, and plant nutrition. Therefore, it is a rich source of phosphorous, and it is used for open field crops, greenhouse crops, and fruit trees. The Agriculture Industry, mainly fertilizers, consumes about 90% of the total production of Phosphoric Acid.

Some of the market's key players are PhosAgro, Nutrien, IFFCO, EuroChem Group AG, The Mosaic Company, Aditya Birla Group, others.

The Asia-Pacific Region is the most dominating area in demand, supply, and consumption. The need for phosphate fertilizers increased in China due to the rapid growth in the agricultural sector and the country's economic progress. The market had an influential impact due to the ongoing debate over food safety concerning crops' yield and the ability to raise crops. Due to the consumers' dependency on other quick-increasing chemicals, the extension for Phosphoric acid has become very moderate, and the need has reached a maturity phase in various developed countries of North America and Asia-Pacific. In contrast, developing countries such as Asia, Africa, the Middle East, and Latin America have a growing demand for Phosphoric acid due to increased agricultural activities and pertinent rules and regulations imposed by their governments. As per today's scenario, the Asia Pacific region dominates the agricultural industry, and therefore, it has an extreme demand and consumption of fertilizers and Phosphoric Acid.

PhosAgro is one of the world's huge vertically integrated phosphate-based fertilizers

producers, and the company reports that the fertilizer result in the first quarter of 2021 surged by 2.2% to 2.7 Million tons even after the pandemic. The growth resulted from modernization to capacities that enabled an expansion in NPK production, aligning with the company's program to 2025. In the first quarter, the fertilizer deal of the company increased by around 40% quarter-to-quarter; this growth was propelled by both a high seasonal need for fertilizers and a huge capacity of carry-over sales at the last of December 2020.

In May 2021, the international value of DAP has hiked to 550 USD per ton from 400 USD per ton which is approximately a 37% growth in the prices. In India, the local producers have also increased the cost of DAP suddenly whose raw material ingredients are phosphoric acid and ammonia.

In September 2020, Clariant AG launched a new and innovative phosphate ester offering outstanding performance and superior sustainability in metalworking fluid formulations. This product brings out has helped the company shoot up its product portfolio.

In August 2020, OCP launched a new plant to produce purified phosphoric acid through their subsidiary Euro Maroc Phosphore (EMAPHOS). This launch has helped the company to escalate its production capacity of the company.

Global Phosphoric Acid Market report provides deep insight into the Industrial market's current and future state across various regions. The study comprehensively analyses the Phosphoric Acid market by segmenting based on the Grade (Food grade, Technical grade, Electronic grade), End-User Industries (Food and Beverages, Agriculture, Pharmaceuticals, Others), and Geography (Asia-Pacific, North America, Europe, South America, and Middle-East and Africa). The report examines the market drivers and restraints and the impact of Covid-19 on the market growth in detail. The study covers emerging market trends, developments, opportunities, and challenges in the industry. This report extensively researched competitive landscape sections with significant companies and profiles, including their market shares and projects.

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tashCorp

KEMA GROUP

ENGFU GROUP

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*es are not exhaustive*

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