

# Global Phosphorous Acid Market Analysis: Plant Capacity, Production, Operating Efficiency, Demand & Supply, End-User Industries, Sales Channel, Regional Demand, Company Share, 2015-2032

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## Abstracts

The global Phosphorous Acid market has grown significantly in the past years and reached approximately 280 thousand tonnes in 2022 and is expected to grow at a CAGR of 4.63% during the forecast period until 2032.

Phosphorous Acid, also known as orthophosphorous acid, is a compound with the chemical formula  $H_3PO_3$ . It is a tasteless, colorless, or yellowish crystalline material having a melting point of about  $73^\circ C$ . It is an unstable substance that rapidly absorbs moisture and transforms into phosphoric acid ( $H_3PO_4$ ) when heated over  $180^\circ C$  or in the presence of oxygen. Phosphorous acid is used in various downstream industries like agricultural, construction, automotive, and textiles. The substance is mostly utilized to make PVC stabilizers like lead phosphite, synthetic fibres, effective water treatment agents, organophosphorus insecticides, and powerful reducing agents.

The primary driver of the global Phosphorous Acid market is its usage by Construction Industry across the globe. The production of basic lead phosphite, a stabilizer in PVC and other related chlorinated polymers, is the most significant application of phosphorous acid. PVC is mostly utilized in building supplies such as pipelines, fixtures, window & door frames, wires & cables, and roofs. Owing to rapid industrialization and new infrastructure development which is anticipated to fasten the construction sector and most likely provide motion to global Phosphorous Acid market. Since phosphorous acid reduces shrinkage and heat cracking in concrete, it is a vital component in the manufacture of synthetic fibres, which further adds on to the Phosphorous Acid market. The use of Phosphorous acid to manufacture numerous phosphate-based compounds

is anticipated to bolster the global Phosphorous Acid market. The global Phosphorous Acid market is estimated to reach a volume of 430 thousand tonnes by 2032.

Based on region, Asia Pacific is dominating the Phosphorous Acid market. In 2022, Asia Pacific held a market share approximately of 50% of the global Phosphorous Acid. Moreover, Europe is the second largest consumer of this chemical. The tremendous increase in construction activities and increased spendings of government on public infrastructure, the demand for PVC is anticipated to rise, which will most likely augment the phosphorous acid market. Furthermore, Asia Pacific also dominates the market in terms of production with China being a significant player.

Based on the end-user industry, the global Phosphorous Acid market is segmented into Construction, Chemical Intermediates, Water Treatment, and Others. Among these, the Construction Industry is the major consumer with a share of roughly 37% in 2022. Furthermore, the Chemical Intermediates industry is another prominent application of the phosphorous acid.

Major players in the production of Global Phosphorous Acid are DuPont, Chemfine International Co. Ltd, Linyi Chunming Chemical, Futong Chemical Co Ltd, Zibo TianDan Chemical, Rudong Huayun Chemical, Sure Chemical Co. Ltd, and Others.

Years considered for this report:

Historical Period: 2015- 2022

Base Year: 2022

Estimated Year: 2023

Forecast Period: 2024-2032

Objective of the Study:

To assess the demand-supply scenario of Phosphorous Acid which covers production, demand and supply of Phosphorous Acid market in the globe.

To analyse and forecast the market size of Phosphorous Acid

To classify and forecast Global Phosphorous Acid market based on end-use and regional distribution.

To examine competitive developments such as expansions, mergers & acquisitions, etc., of Phosphorous Acid market in the globe.

To extract data for Global Phosphorous Acid market, primary research surveys were conducted with Phosphorous Acid manufacturers, suppliers, distributors, wholesalers and Traders. While interviewing, the respondents were also inquired about their competitors. Through this technique, ChemAnalyst was able to include manufacturers that could not be identified due to the limitations of secondary research. Moreover, ChemAnalyst analyzed various segments and projected a positive outlook for Global Phosphorous Acid market over the coming years.

ChemAnalyst calculated Phosphorous Acid demand in the globe by analyzing the historical data and demand forecast which was carried out considering the production of raw material to produce Phosphorous Acid. ChemAnalyst sourced these values from industry experts and company representatives and externally validated through analyzing historical sales data of respective manufacturers to arrive at the overall market size. Various secondary sources such as company websites, association reports, annual reports, etc., were also studied by ChemAnalyst.

Key Target Audience:

Phosphorous Acid manufacturers and other stakeholders

Organizations, forums and alliances related to Phosphorous Acid distribution

Government bodies such as regulating authorities and policy makers

Market research organizations and consulting companies

The study is useful in providing answers to several critical questions that are important for industry stakeholders such as Phosphorous Acid manufacturers, customers and policy makers. The study would also help them to target the growing segments over the coming years (next two to five years), thereby aiding the stakeholders in taking investment decisions and facilitating their expansion.

#### Report Scope:

In this report, Global Phosphorous Acid market has been segmented into following categories, in addition to the industry trends which have also been detailed below:

Market, by End-use: Construction, Chemical Intermediates, Water Treatment, and Others

Market, by Sales Channel: Direct Sale and Indirect Sale

Market, by Region: North America, Europe, Asia Pacific, Middle East and Africa, and South America.

#### Available Customizations:

With the given market data, ChemAnalyst offers customizations according to a company's specific needs.

## Contents

### **1. CAPACITY BY COMPANY**

On our online platform, you can stay up to date with essential manufacturers and their current and future operation capacity on a practically real-time basis for Phosphorous Acid.

### **2. CAPACITY BY LOCATION**

To better understand the regional supply of Phosphorous Acid by analyzing its manufacturers' location-based capacity.

### **3. PLANT OPERATING EFFICIENCY**

To determine what percentage manufacturers are operating their plants or how much capacity is being currently used.

### **4. PRODUCTION BY COMPANY**

Study the historical annual production of Phosphorous Acid by the leading players and forecast how it will grow in the coming years.

### **5. DEMAND BY END- USE**

Discover which end-user industry (Construction, Chemical Intermediates, Water Treatment, and Others) are creating a market and the forecast for the growth of the Phosphorous Acid market.

### **6. DEMAND BY REGION**

Analyzing the change in demand of Phosphorous Acid in different regions, i.e., North America, Europe, Asia Pacific, Middle East and Africa, and South America, that can direct you in mapping the regional demand.

### **7. DEMAND BY SALES CHANNEL (DIRECT AND INDIRECT)**

Multiple channels are used to sell Phosphorous Acid. Our sales channel will help in analyzing whether distributors and dealers or direct sales make up most of the

industry's sales.

## **8. DEMAND-SUPPLY GAP**

Determine the supply-demand gap to gain information about the trade surplus or deficiency of Phosphorous Acid.

## **9. COMPANY SHARE**

Figure out what proportion of the market share of Phosphorous Acid is currently held by leading players across the globe.

## **10. PRICING ANALYSIS & FORECAST**

Analyze historical prices since 2015 & Forecast on three months rolling period for next 12 months.

Years considered for this report:

Historical Period: 2015- 2022

Base Year: 2022

Estimated Year: 2023

Forecast Period: 2024-2032

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