

# Global Phenylphosphine Oxide Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global Phenylphosphine Oxide market size was valued at US\$ 400 million in 2025 and is forecast to a readjusted size of US\$ 628 million by 2032 with a CAGR of 6.6% during review period.

Phenylphosphine Oxide is an organophosphorus compound characterized by a phosphoryl (P=O) group bonded to a phenyl ring and hydrogen atoms, typically appearing as a colorless to pale solid or liquid depending on purity. It is mainly used as an intermediate in organic synthesis, particularly in pharmaceuticals, agrochemicals, flame retardants, ligands for catalysis, and specialty polymers due to its strong electron-withdrawing P=O functionality and reactivity in phosphorylation reactions. The supply chain begins upstream with key raw materials such as Benzene (for phenyl group formation), Phosphorus Trichloride, and White Phosphorus, which are produced from petrochemical refining and phosphate rock processing. These are converted through chlorination and Grignard-type or substitution reactions to phenylphosphine intermediates, followed by controlled oxidation (e.g., air or peroxide oxidation) to form phenylphosphine oxide. Midstream production is concentrated among fine chemical and organophosphorus manufacturers, especially in China, Europe, and Japan, where synthesis, purification, and quality grading (industrial vs. high-purity) are performed. Downstream, the compound is supplied to pharmaceutical companies, agrochemical formulators, and advanced material producers, often through specialty chemical distributors, with increasing demand driven by high-value synthesis applications and niche functional materials. In 2025, global Phenylphosphine Oxide output was about 75,000 tons with 95,000 tons of capacity, average prices of USD 4,000–12,000 per ton, and gross margins around 33%.

This report is a detailed and comprehensive analysis for global Phenylphosphine Oxide market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

#### Key Features:

Global Phenylphosphine Oxide market size and forecasts, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Ton), 2021-2032

Global Phenylphosphine Oxide market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Ton), 2021-2032

Global Phenylphosphine Oxide market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Ton), 2021-2032

Global Phenylphosphine Oxide market shares of main players, shipments in revenue (\$ Million), sales quantity (Kilotons), and ASP (US\$/Ton), 2021-2026

#### The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Phenylphosphine Oxide

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Phenylphosphine Oxide market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Solvay (Belgium), DuPont (USA),

Albemarle (USA), ICL Group (Israel), BASF (Germany), Arkema (France), Evonik (Germany), Lanxess (Germany), Clariant (Switzerland), ADEKA (Japan), etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

## Market Segmentation

Phenylphosphine Oxide market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

### Market segment by Type

Liquid Form

Crystalline Form

### Market segment by Moisture Grade

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