

Global Phenylphosphine Oxide Market Growth 2026-2032

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Abstracts

The global Phenylphosphine Oxide market size is predicted to grow from US\$ 381 million in 2025 to US\$ 611 million in 2032; it is expected to grow at a CAGR of 7.1% from 2026 to 2032.

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%.

United States market for Phenylphosphine Oxide is estimated to increase from US\$

million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Phenylphosphine Oxide is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Phenylphosphine Oxide is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Phenylphosphine Oxide players cover Solvay (Belgium), DuPont (USA), Albemarle (USA), ICL Group (Israel), BASF (Germany), etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the "Phenylphosphine Oxide Industry Forecast" looks at past sales and reviews total world Phenylphosphine Oxide sales in 2025, providing a comprehensive analysis by region and market sector of projected Phenylphosphine Oxide sales for 2026 through 2032. With Phenylphosphine Oxide sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Phenylphosphine Oxide industry.

This Insight Report provides a comprehensive analysis of the global Phenylphosphine Oxide landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Phenylphosphine Oxide portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Phenylphosphine Oxide market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Phenylphosphine Oxide and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Phenylphosphine Oxide.

This report presents a comprehensive overview, market shares, and growth opportunities of Phenylphosphine Oxide market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Liquid Form

Crystalline Form

Segmentation by Moisture Grade:

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