

Organic Peroxide Market Growth Analysis Report - Market Size, Share, Forecast Trends and Outlook (2025-2034)

Market Report | 2025-08-11 | 161 pages | EMR Inc.

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Report description:

The global organic peroxide market reached a value of about USD 1099.85 Million in 2024. The market is further expected to grow at a CAGR of 3.50% in the forecast period of 2025-2034 to reach a value of approximately USD 1551.45 Million by 2034.

Increasing Demand for Ketone Peroxides to Augment the Organic Peroxide Industry Growth

Based on type, the ketone peroxides segment accounts for a significant share in the organic peroxide industry. The growing demand for plastic reinforced glass or fibreglass in the manufacture of watercraft in marine components, replacing the use of wood and steel structures, and the growing demand for vehicles in emerging economies are projected to push the use of ketone for crosslinking. The growth of the aviation market, fuelled by rising demand for low-cost flights, is expected to further enhance the demand for high-end fibreglass, which, in turn, is expected to result in increased usage of ketone peroxides. Meanwhile, the demand for diacyl peroxide is also growing at a steady rate due to the growing utilisation of hardened polymers in the construction and manufacturing sectors, as well as the growing demand for resins for improved flooring solutions. This is expected to significantly drive the demand for diacyl peroxide over the forecast period.

The Asia Pacific to Provide Enhanced Growth Opportunities to the Organic Peroxide Industry

The Asia Pacific is likely to emerge as a viable growth ground for the organic peroxide industry due to the high demand for plastic products in the region. The emergence of China and India as one of the major product manufacturing destinations is expected to propel the demand for organic peroxides over the projected timeframe. The thriving personal care industry, supported by the growing disposable income and rising living standards, is contributing to the growth of the organic peroxide industry revenue. In addition, the increasing construction activities in the region have led to the increased demand for paints and coatings, which has

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resulted in the growth of the domestic market.

Organic Peroxide: Market Segmentation

Organic peroxides are used to launch the polymerization process, which results in plastic polymers. They are used in the production of plastics such as polystyrene and polyvinyl chloride, as well as composite materials such as fibreglass. There are hundreds of different organic peroxides, each with specific properties and applications that allow them to manufacture a wide variety of polymers with varying properties.

By type, the market is classified into:

- Diacyl Peroxides
- Ketone Peroxides
- Percarbonates
- Dialkyl Peroxides
- Hydro-Peroxides
- Peroxy Ketals
- Peroxyesters
- Others

The market is divided based on application into:

- Chemicals and Plastics
- Coatings, Adhesives, and Elastomers
- Paper and Textiles
- Detergents
- Personal Care
- Others

The regional markets for the product include:

- North America
- Europe
- Asia Pacific
- Latin America
- Middle East and Africa

Increasing Demand for Coatings and Adhesives and the Rise in Demand for Skin Treatment to Bolster the Growth of the Organic Peroxide Industry

The increasing demand for coatings and adhesives is one of the major factors driving the growth of the organic peroxide industry. Coatings are one of the most popular uses of organic peroxides. Organic peroxides are well suited for the synthesis of coating resins and are used as coating curing agents as they provide benefits such as the generation of more polymer chains with a lower molecular weight. Radicals produced are more selective, resulting in less hydrogen abstraction (crosslinking) and less long chain branching, allowing for greater control over molecular weight and viscosity. This is aiding the growth of the overall organic peroxide industry. The market is also being supported by the growing construction industry as it significantly contributes to the demand for coatings and adhesives. Furthermore, hydrogen peroxide is commonly used to reduce acne as well as in skin

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lightening products. Thus, growing R&D activities and the increasing use of organic peroxide in skin treatment applications are expected to further boost the organic peroxide industry growth throughout the review period.

Key Industry Players in the Global Organic Peroxide Market

The report gives a detailed analysis of the following key players in the global organic peroxide market, covering their competitive landscape, capacity, and latest developments like mergers, acquisitions, and investments, expansions of capacity, and plant turnarounds:

- Arkema Group
- United Initiators GmbH
- Kawaguchi Chemical Co., Ltd.
- AkzoNobel N.V.
- PERGAN GmbH
- Others

The comprehensive EMR report provides an in-depth assessment of the market based on the Porter's five forces model along with giving a SWOT analysis.

More Insights On

Hydrogen Peroxide Market

Europe Dialkyl Peroxide Market

Organic Peroxide Market Report Snapshots

Organic Peroxide Companies

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