

## **Hydrogen Peroxide - Company Evaluation Report, 2025**

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### **Report description:**

The Hydrogen Peroxide Companies Quadrant is a comprehensive industry analysis that provides valuable insights into the global market for Hydrogen Peroxide. This quadrant offers a detailed evaluation of key market players, technological advancements, product innovations, and industry trends. MarketsandMarkets 360 Quadrants evaluated over 112 companies, of which the Top 12 Hydrogen Peroxide Companies were categorized and recognized as the quadrant leaders.

Hydrogen peroxide is a versatile and powerful oxidizing agent, existing as a clear, colourless liquid. It is widely recognized as an environmentally friendly chemical because its decomposition products are simply water and oxygen, leaving no harmful residues. Produced in various concentrations, it serves a vast array of purposes across multiple industries, valued as a "green" alternative to chlorine-based chemicals for bleaching, disinfection, and chemical synthesis. Its efficacy and clean decomposition profile make it a staple in both industrial and household applications.

The largest driver for the hydrogen peroxide market is the pulp and paper industry, which uses it as a key bleaching agent to produce high-quality, bright paper products without using elemental chlorine, thereby meeting stringent environmental standards. Another significant growth area is in chemical manufacturing, particularly to produce propylene oxide via the HPPO process. Furthermore, its application in wastewater treatment and environmental remediation through advanced oxidation processes continues to grow as regulations on industrial effluent become stricter and the need for effective decontamination solutions rises. Despite its wide utility, the market is not without challenges. High concentrations of hydrogen peroxide are hazardous to handle and transport, requiring specialized equipment and adherence to strict safety protocols, which can increase logistical costs. The chemical itself is inherently unstable and can decompose over time, especially when exposed to heat, light, or impurities, necessitating careful inventory management. Additionally, the production of hydrogen peroxide is energy-intensive, and its cost can be subject to fluctuations in the price of natural gas, a primary feedstock.

The 360 Quadrant maps the Hydrogen Peroxide companies based on criteria such as revenue, geographic presence, growth strategies, investments, and sales strategies for the market presence of the Hydrogen Peroxide quadrant. The top criteria for product footprint evaluation included Grade [90% Hydrogen Peroxide, 35% Hydrogen Peroxide, 6-10% Hydrogen Peroxide, 3% Hydrogen Peroxide], Product Function [Chemical Synthesis, Bleaching, Disinfectant, Cleaning & Etching, Other Product Functions], End-Use Industry [Pulp & Paper, Food & Beverages, Water Treatment, Textile & Laundry, Oil & Gas, Healthcare, Electronics, Other End-use Industries].

#### **Key Players:**

Major vendors in the Hydrogen Peroxide market are Solvay S.A. (Belgium), Evonik (Germany), Arkema S.A. (France), Nouryon

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(Netherlands), and Taekwang Industrial Co., Ltd. (South Korea). The key strategies major vendors implement in the Hydrogen Peroxide market are partnerships, collaborations, product launches, and product enhancements.

Solvay S.A.

Following its 2023 demerger, the new Solvay has emerged as a focused leader in essential chemicals. The Belgian company holds top global positions in markets for soda ash, peroxides, and high-performance silica. Its strategy is centered on maintaining cost leadership and driving strong cash generation from its core businesses, which are vital to industries like glass, automotive, and consumer goods. By providing fundamental materials that are also crucial for the energy transition, such as in solar panels and tires, Solvay solidifies its position as a resilient and indispensable industrial supplier.

Evonik

Evonik Industries is a world leader in specialty chemicals, offering a diverse portfolio that serves markets from automotive to healthcare. The German powerhouse is known for its high-performance polymers, specialty additives, and essential ingredients for nutrition and care. Strategically, Evonik is focused on sustainability and innovation, providing solutions that enable energy efficiency, advanced drug delivery, and resource conservation. Through disciplined portfolio management and a clear focus on its high-growth "Next Generation" solutions, Evonik maintains its position as a key partner for industries seeking sustainable and high-performance materials.

Arkema S.A.

Arkema is a leading French specialty materials company, focused on providing innovative and sustainable solutions. Its business is centered on three highly complementary segments: Adhesives, Advanced Materials, and Coating Solutions. Arkema is renowned for its high-performance polymers, including the bio-based Rilsan polyamide and Kynar PVDF, a critical component in EV batteries. Strategically, the company is committed to becoming a pure player in specialty materials, driving growth through innovations that support lightweighting, the circular economy, and renewable energy, solidifying its role as a key solutions provider for a sustainable future.

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