

Global Industrial Hydrogen Peroxide Market Size Study & Forecast, by Applications and End-Use Industries and Regional Forecasts 2025–2035

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Abstracts

The Global Industrial Hydrogen Peroxide Market is valued at approximately USD 3.48 billion in 2024 and is projected to expand at a compound annual growth rate (CAGR) of 3.15% over the forecast period of 2025 to 2035. Industrial hydrogen peroxide, a pale blue liquid known for its powerful oxidizing properties, has become a staple in a multitude of industrial applications, ranging from chemical synthesis and textile treatment to water purification and electronics manufacturing. The growing global emphasis on sustainable water treatment solutions, stringent environmental regulations regarding wastewater discharge, and the surge in demand for high-purity hydrogen peroxide in semiconductor production have acted as strong tailwinds for this market's expansion.

As industries increasingly pivot toward green and high-performance alternatives, hydrogen peroxide is gaining traction as a viable oxidant due to its eco-friendly decomposition into water and oxygen. Its high reactivity allows it to replace more harmful and persistent chemicals in applications such as bleaching agents in the paper & pulp industry, surface disinfectants in healthcare, and etching agents in electronics manufacturing. Moreover, advancements in production technologies—such as the anthraquinone process and developments in decentralized on-site generation—are driving operational efficiency and reducing transport costs, boosting accessibility in emerging economies. The compound's non-toxic nature and diverse application spectrum across industries further amplify its strategic importance.

Geographically, North America continues to command a significant share of the industrial hydrogen peroxide market, thanks to the region's robust pulp & paper production, established electronics sector, and stringent regulatory landscape

encouraging sustainable chemical use. Europe follows closely, with countries like Germany and the Netherlands investing in clean water infrastructure and semiconductor innovations. However, the Asia Pacific region is poised for the fastest growth through 2035. The region's burgeoning industrial base, especially in China, India, South Korea, and Japan, is driving exponential demand for bleaching, disinfection, and oxidation applications. Furthermore, the rise in textile exports, food packaging safety regulations, and clean manufacturing initiatives across ASEAN countries are intensifying the demand for industrial-grade hydrogen peroxide. Governmental initiatives supporting water treatment infrastructure and the rise in eco-conscious manufacturing add further momentum to regional growth.

Major market player included in this report are:

Solvay S.A.

Evonik Industries AG

Arkema S.A.

Mitsubishi Gas Chemical Company, Inc.

Nouryon

Thai Peroxide Company Limited

Gujarat Alkalies and Chemicals Ltd.

OCI Company Ltd.

Kemira Oyj

National Peroxide Limited

Hansol Chemical Co., Ltd.

Aditya Birla Chemicals

Akzo Nobel N.V.

Shandong Huatai Paper Co., Ltd.

Suzhou Hantai Chemical Co., Ltd.

Global Industrial Hydrogen Peroxide Market Report Scope:

Historical Data – 2023, 2024

Base Year for Estimation – 2024

Forecast period – 2025–2035

Report Coverage – Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Regional Scope – North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope – Free report customization (equivalent up to 8 analysts' working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values for the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within the countries involved in the study. The report also provides detailed information about crucial aspects, such as driving factors and challenges, which will define the future growth of the market. Additionally, it incorporates potential opportunities in micro-markets for stakeholders to invest, along with a detailed analysis of the competitive landscape and product offerings of key players.

The detailed segments and sub-segments of the market are explained below:

By Applications:

Chemical Synthesis

Bleaching

Disinfectant

Cleaning and Etching

Other Industrial Applications

By End-Use Industries:

Pulp and Paper

Food and Beverages

Water Treatment

Textiles and Laundry

Oil and Gas

Healthcare

Electronics

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

Rest of Europe

Asia Pacific

China

India

Japan

Australia

South Korea

Rest of Asia Pacific

Latin America

Brazil

Mexico

Middle East & Africa

UAE

Saudi Arabia

South Africa

Rest of Middle East & Africa

Key Takeaways:

Market Estimates & Forecast for 10 years from 2025 to 2035.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

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