

Global Hydrogen Peroxide Market Size Study, by Grade (90% H₂O₂, 35% H₂O₂, 6 to 10% H₂O₂, 3% H₂O₂), by Function (Oxidant, Disinfectant, Bleaching, Others), by End-use Industry (Pulp & Paper, Food & Beverage, Water Treatment, Textiles & Laundry, Oil & Gas, Healthcare, Electronics) and Regional Forecasts 2022-2032

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Abstracts

The Global Hydrogen Peroxide Market, valued at approximately USD 3.53 billion in 2023, is poised for substantial growth with a compound annual growth rate (CAGR) of 5.00% over the forecast period from 2024 to 2032. Hydrogen peroxide (H₂O₂) has become a critical component across diverse industries, offering its unparalleled oxidizing, disinfecting, and bleaching properties. The demand for hydrogen peroxide continues to surge, fueled by its integral role in water treatment, pulp and paper bleaching, and emerging applications in the electronics and healthcare sectors.

The growth of this market is prominently driven by stringent environmental regulations promoting eco-friendly bleaching and wastewater treatment processes. Pulp and paper remain the largest end-use segment, leveraging hydrogen peroxide for high-quality bleaching while minimizing chlorine usage. In addition, the increasing adoption of H₂O₂ in the healthcare sector, owing to its antiseptic and disinfectant properties, significantly bolsters market growth. However, challenges such as handling hazards and the volatile pricing of raw materials may create roadblocks for market expansion. Nevertheless, technological innovations in production methods, alongside a burgeoning demand for sustainable and high-purity hydrogen peroxide, are expected to open new avenues for growth.

Regionally, Asia-Pacific dominates the global hydrogen peroxide market, propelled by robust industrialization, growing paper production, and increasing investments in water treatment infrastructure in countries like China, India, and Japan. North America and Europe follow closely, driven by stringent environmental standards and the rising adoption of green technologies. Emerging markets in Latin America and the Middle East & Africa are also witnessing significant growth, supported by expanding healthcare facilities and industrial developments.

Major market players included in this report are:

Solvay S.A.

Evonik Industries AG

Arkema S.A.

Mitsubishi Gas Chemical Company

Kemira Oyj

Akzo Nobel N.V.

PeroxyChem LLC

Gujarat Alkalies and Chemicals Limited

OCI Company Ltd.

Ecolab Inc.

Taekwang Industrial Co., Ltd.

Guangdong Zhongcheng Chemicals Inc.

BASF SE

Aditya Birla Chemicals

Hansol Chemical

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

By Grade:

90% H₂O₂

35% H₂O₂

6 to 10% H₂O₂

3% H₂O₂

By Function:

Oxidant

Disinfectant

Bleaching

Others

By End-use Industry:

Pulp & Paper

Food & Beverage

Water Treatment

Textiles & Laundry

Oil & Gas

Healthcare

Electronics

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:

Saudi Arabia

South Africa

Rest of Middle East & Africa

Years considered for the study are as follows:

Historical Year: 2022

Base Year: 2023

Forecast Period: 2024-2032

Key Takeaways:

Market estimates and forecasts for 10 years from 2022 to 2032.

Comprehensive regional-level analysis for each market segment.

Detailed insights into the competitive landscape with major industry players.

Strategic recommendations for navigating future market challenges.

Thorough demand-side and supply-side market analysis.

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