

Hydrogen Peroxide Market Size to Worth Around USD \$2.55 billion by 2031 | Solvay S.A., BASF SE

The global hydrogen peroxide market is estimated to be valued at USD 3.55 Bn in 2024 and is expected to reach USD 5.02 Bn by 2031

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/EINPresswire.com/ -- Market Overview:

Hydrogen peroxide is a pale blue, clear liquid widely used as an oxidizing agent, bleaching agent and disinfectant. It is commonly applied as an antiseptic, denture cleanser and hair lightener. Hydrogen peroxide is also utilized in the production of propylene oxide, unsaturated polyester resins and ethylene oxide.



Hydrogen Peroxide Market Size

Market Dynamics:

Rising demand from the paper and pulp industry along with growth in disinfectant and sanitizer sales are some of the key factors estimated to drive the global hydrogen peroxide market growth over the forecast period. Hydrogen peroxide acts as a bleaching agent and finds wide application in the paper and pulp industry for bleaching of wood pulp and wastepaper. Furthermore, increasing awareness regarding hygiene and health has led to surge in demand for disinfectants and sanitizers post pandemic, thereby propelling the market growth. Moreover, expanding applications in wastewater treatment coupled with growth of the chemical industry are also expected to support the market expansion through 2031.

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Increasing Demand for Hydrogen Peroxide as a Disinfectant and Sterilant Drive the Market

Growth

Hydrogen peroxide is commonly used as an efficient disinfectant and sterilant agent to kill harmful microorganisms such as bacteria, viruses, and fungi. It is widely utilized in medical, healthcare, pharmaceutical, and food processing industries to sanitize medical devices, therapeutic products, surfaces, water purification processes, and many other applications. With the ongoing COVID-19 pandemic, the demand for disinfectants and sanitizers has escalated significantly worldwide to curb the spread of coronavirus. This has led to a surge in the consumption of hydrogen peroxide as a safer and effective disinfectant compared to other chemicals. Additionally, growing awareness regarding hygiene and sanitation along with stringent regulations regarding sterilization is further fueling the demand from end-use industries.

Growing Adoption of Hydrogen Peroxide in Wastewater Treatment Presents Lucrative Opportunity

With growing industrialization and urbanization, stringent wastewater discharge norms are being implemented worldwide to curb water pollution. Hydrogen peroxide has emerged as an effective chemical for wastewater treatment applications in removing toxins, chemicals, and biological contaminants from industrial and municipal wastewater. It decomposes into oxygen and water as end-products without forming any hazardous by-products. Some of its key applications in wastewater treatment include detoxifying phenols, cyanides, sulfides, formaldehyde, and other priority pollutants. The chemical also helps in the degradation of organic pollutants and eliminates microbial pathogens during water recycling processes. Thus, the increasing need for sustainable wastewater treatment presents a major growth opportunity for the hydrogen peroxide market.

Transition towards Green Hydrogen Peroxide Production Technologies Marks Key Market Trend

One of the prominent trends gaining traction in the global hydrogen peroxide market is the shift towards eco-friendly production technologies. With rising environmental concerns, manufacturers are developing innovative green hydrogen peroxide production techniques that release lower carbon emissions. For instance, hydrogen peroxide can be produced through an anthraquinone process involving hydrogenation and oxidation reactions that release negligible carbon emissions. Similarly, technologies such as fuel cell hydrogen peroxide production eliminate fossil fuel usage and generate the chemical from renewable energy sources. The adoption of clean production methods helps companies strengthen their sustainability profiles and differentiate their offerings. This growing transition towards environmentally-sound hydrogen peroxide production technologies is expected to reshape the market in the upcoming years.

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Top Companies Included in This Report:

- Solvay S.A.
- BASF SE
- Novo Nordisk Pharmatech A/S
- Evonik Industries AG
- Akzo Nobel N.V.
- Mitsubishi Gas Chemical Company Inc.
- PeroxyChem LLC
- Arkema Group
- Gujarat Alkalies and Chemicals Ltd.
- Merck KGaA
- Kemira Oyj
- Aditya Birla Chemicals (Thailand) Ltd.
- Arkema Inc.
- Kingboard Chemical Holdings Ltd.
- Hansol Chemical Co. Ltd.
- Ecolab Inc.
- Dow Chemical Company
- Christeyns
- Apollo Scientific Ltd.
- Guangdong Zhongcheng Chemicals Inc.

Market Segmentation:

By Product Type:

- By Product Type: 35% Hydrogen Peroxide, 50% Hydrogen Peroxide, and Others
- By Function: Disinfectant, Bleaching, Oxidant, and Others

By Applications:

- By Application: Pulp & Paper, Chemical Synthesis, Wastewater Treatment, Mining, Food & Beverages, Personal Care, Healthcare, Textiles, and Others

Key Regions/Countries are Classified as Follows:

- » North America (U.S., Canada, Mexico)
- » Europe (Germany, U.K., France, Italy, Russia, Spain, Rest of Europe)
- » Asia-Pacific (China, India, Japan, Singapore, Australia, New Zealand, Rest of APAC)
- » South America (Brazil, Argentina, Rest of SA)
- » Middle East & Africa (Turkey, Saudi Arabia, Iran, UAE, Africa, Rest of MEA)

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The report offers insights on the following topics:

Chapter 1: Study Coverage

Chapter 2: Executive Summary

Chapter 3: Competitor Landscape of the Hydrogen Peroxide Market by Players

Chapter 4: Market Size of the Hydrogen Peroxide Market by Type and Application

Chapter 5: Global and Regional Analysis

Chapter 6: Company Profiles, Recent Developments, and Investments

Chapter 7: Analysis of Market Opportunities, Challenges, Risks, and Influencing Factors

Chapter 8: Analysis of Value Chain and Sales Channels, including notable product developments

Chapter 9: Research Findings and Conclusion

Chapter 10: Methodology/Research Approach

Ultimately, the Hydrogen Peroxide Market report serves as a reliable source for acquiring market research to significantly enhance your business. It furnishes essential insights into regional economic conditions, product pricing, profitability, capacity, production, supply, demand, market growth rate, and forecasts. Additionally, the report includes a SWOT analysis, investment feasibility analysis, and return on investment analysis for new projects within the Hydrogen Peroxide industry.

Should the aforementioned report not meet your precise requirements, we offer customized research tailored to comprehensively address your specific business needs. Our customized research will encompass all the pertinent business information necessary to assist you in making strategic and profitable business decisions.

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Priya Pandey is a dynamic and passionate editor with over three years of expertise in content editing and proofreading. Holding a bachelor's degree in biotechnology, Priya has a knack for making the content engaging. Her diverse portfolio includes editing documents across different

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