

Hydrogen Peroxide Market, Opportunity, Growth Drivers, Industry Trend Analysis and Forecast, 2024-2032

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Report description:

The global Hydrogen Peroxide Market size recorded a valuation of USD 5.2 million in 2023 and will expand at a 6% CAGR from 2024 to 2032, driven by its expanding industrial applications and growth in the electronics industry. In various industries, hydrogen peroxide is used for bleaching, disinfection, and chemical synthesis, enhancing its demand. The electronics industry utilizes hydrogen peroxide for cleaning and etching processes, where its effectiveness in removing contaminants is crucial. As industrial processes become more complex and the electronics sector grows, the need for hydrogen peroxide in these applications will increase, driving market expansion.

The overall hydrogen peroxide industry is classified based on function, application, and region.

By function, the bleaching segment will reach USD 3.12 billion and achieve a 6.1% CAGR through 2032 due to its widespread application in the pulp and paper industry, where hydrogen peroxide plays a vital role in bleaching processes. Its effectiveness in producing high-quality, bright paper while avoiding harmful chlorinated byproducts meets stringent environmental standards. Besides, the textile industry's use of hydrogen peroxide for fabric bleaching and color consistency supports this demand. The shift towards sustainable, eco-friendly bleaching agents further reinforces hydrogen peroxide's dominance in these applications.

By application, the pulp and paper segment will grow to USD 3.17 billion, with a 5.5% CAGR through 2032. This segment leads the hydrogen peroxide market owing to its widespread use as a bleaching agent in the industry. Hydrogen peroxide is preferred for producing high-quality, bright paper while reducing environmental impact compared to traditional chlorine-based agents. The rising demand for eco-friendly and sustainable paper products further enhances the dependence on hydrogen peroxide, solidifying its dominant position in the market.

Asia Pacific hydrogen peroxide industry will grow at a 6.3% CAGR, reaching USD 2.75 billion by 2032. The region's rapid industrialization and urbanization, particularly in countries like India and Indonesia, have boosted the manufacturing sector, which includes significant chemical manufacturing and processing activities. Additionally, the rising demand for paper in hygiene tissues and food packaging is expected to drive market trends in paper and pulp processing. Furthermore, the expansion of HPPO plants in the region is anticipated to positively influence the growth of the hydrogen peroxide market over the forecast period.

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Table of Contents:

Report Content

Chapter 1 Methodology & Scope

- 1.1 Market scope & definition
- 1.2 Base estimates & calculations
- 1.3 Forecast calculation
- 1.4 Data sources
 - 1.4.1 Primary
 - 1.4.2 Data Mining sources
 - 1.4.2.1 Paid sources
 - 1.4.2.2 Public sources

Chapter 2 Executive Summary

2.1 Industry 360 synopsis

Chapter 3 Industry Insights

3.1 Industry ecosystem analysis

- 3.1.1 Value chain
 - 3.1.2 Key manufacturers
 - 3.1.3 Go to market routes
 - 3.1.4 Key distributors
 - 3.1.4.1 New distribution channels
 - 3.1.5 Profit margins across the industry
 - 3.2 Industry impact forces
 - 3.2.1 Growth drivers
 - 3.2.1.1 Increasing consumption of meat and dairy products
 - 3.2.1.2 Increasing efforts to produce healthy livestock
 - 3.2.2 Market challenges
 - 3.2.2.1 Stringent government regulations regarding animal fodder and toxicity
 - 3.2.3 Market opportunities
 - 3.2.3.1 New markets/applications
 - 3.2.3.2 Growth potential analysis
 - 3.3 Raw material landscape
 - 3.3.1 Manufacturing trends
 - 3.3.1.1 Technology evolution
 - 3.3.1.2 Sustainable manufacturing
 - 3.3.1.2.1 Green practices
 - 3.3.1.2.2 Decarbonization
 - 3.3.2 New raw materials
 - 3.3.3 Raw material pricing trends (USD/Kilo Tons)
 - 3.3.3.1 North America
 - 3.3.3.2 Europe
 - 3.3.3.3 Asia Pacific
 - 3.3.3.4 Latin America
 - 3.3.3.5 MEA
 - 3.4 Regulations & market impact
 - 3.5 Porter's analysis
 - 3.6 PESTEL analysis
- #### Chapter 4 Competitive Landscape, 2023

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- 4.1 Company market share analysis
- 4.2 Competitive positioning matrix
- 4.3 Strategic outlook matrix
- Chapter 5 Market Size and Forecast, By Function, 2021-2032 (USD Million, Kilo Tons)
 - 5.1 Key trends
 - 5.2 Disinfectant
 - 5.3 Bleaching
 - 5.4 Oxidant
 - 5.5 Other
- Chapter 6 Market Size and Forecast, By Application, 2021-2032 (USD Million, Kilo Tons)
 - 6.1 Key trends
 - 6.2 Pulp & paper
 - 6.3 Chemical synthesis
 - 6.4 Wastewater treatment
 - 6.5 Mining
 - 6.6 Food & beverages
 - 6.7 Personal care
 - 6.8 Healthcare
 - 6.9 Textiles
 - 6.10 Others
- Chapter 7 Market Size and Forecast, By Region, 2021-2032 (USD Million, Kilo Tons)
 - 7.1 Key trends
 - 7.2 North America
 - 7.2.1 U.S.
 - 7.2.2 Canada
 - 7.3 Europe
 - 7.3.1 Germany
 - 7.3.2 UK
 - 7.3.3 France
 - 7.3.4 Italy
 - 7.3.5 Spain
 - 7.3.6 Rest of Europe
 - 7.4 Asia Pacific
 - 7.4.1 China
 - 7.4.2 India
 - 7.4.3 Japan
 - 7.4.4 South Korea
 - 7.4.5 Australia
 - 7.4.6 Rest of Asia Pacific
 - 7.5 Latin America
 - 7.5.1 Brazil
 - 7.5.2 Mexico
 - 7.5.3 Argentina
 - 7.5.4 Rest of Latin America
 - 7.6 MEA
 - 7.6.1 Saudi Arabia
 - 7.6.2 UAE

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7.6.3 South Africa

7.6.4 Rest of MEA

Chapter 8 Company Profiles

8.1 Solvay S.A.

8.2 Evonik Industries A.G

8.3 Arkema S.A.

8.4 Mitsubishi Gas Chemical Company Inc.

8.5 Kemira Oyj

8.6 Merck

8.7 Tokyo Chemical Industries

8.8 Taekwang Industrial Co., Ltd.

8.9 Thai Peroxide Ltd

8.10 Hansol Chemical Co. Ltd.

8.11 OCI COMPANY Ltd.

8.12 Nouryon

8.13 Indian Peroxide Ltd.

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