

# **Global Hydrogen Peroxide Market Analysis: Plant Capacity, Location, Process, Technology, Production, Operating Efficiency, Demand & Supply, End Use, Regional Demand, Sales Channel, Technology Licensor, Company Share, Foreign Trade, Industry Market Size, Manufacturing Process, 2015-2032**

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## **Abstracts**

The global Hydrogen Peroxide market has swelled to reach demand of approximately 4400 thousand tonnes in 2022 and is expected to grow at a CAGR of 5.88% during the forecast period until 2032.

Hydrogen peroxide is a chemical compound which displays amazing oxidizing properties. In the paper and pulp sector, it functions as a bleaching agent to boost brightness levels, enhance brightness stability, and lower production costs. The use of hydrogen peroxide helps to reduce the amount of harmful halogenated substances and effluents present in pulp. Additionally, it makes the effluent's colour lighter. Hydrogen peroxide is also used to bleach mechanical pulp produced by the traditional groundwood method to reach high brightness levels. It is used along with caustic soda to stabilise and buffer wood pulp while removing traces of heavy metals. The most used textile bleaching agent is hydrogen peroxide. It is used to bleach natural cellulose-based fibres from plants and animals, including cotton, linen, and other fibres. Hydrogen peroxide has a strong bleaching effect among oxidizing agents and is comparably inexpensive.

The hydrogen peroxide market is expected to witness major expansion with the increasing demand from the pulp and paper industry. In the textile sector, hydrogen peroxide is frequently employed as a bleaching agent, which significantly adds to the

market growth rate. Foods products like wheat flour and rice are cleaned and bleached using hydrogen peroxide to enhance color which further contributes to the hydrogen peroxide market expansion. The global Hydrogen Peroxide market is expected to expand significantly and touch nearly 7800 thousand tonnes by 2032.

Based on demand by region, Asia Pacific dominates the global Hydrogen Peroxide market followed by Europe. In 2022, Asia Pacific consumed approximately 35% of total Hydrogen Peroxide globally produced. This region is anticipated to foresee a market expansion in the forecast period as it is a hub for paper consumption, textile production, healthcare, and personal care products and has a presence of a huge population. Asia Pacific also holds the majority production capacity of Hydrogen Peroxide with China being the key player. Furthermore, China is the hub of polymers and plastics, and many companies have set up manufacturing plants. However, Europe is the second largest consumer of Hydrogen Peroxide. With the increasing demand in the European market for numerous personal care goods, the demand for hydrogen peroxide will most likely rise in future. Germany plays a significant role in the expansion of the European market. Additionally, the prominence of major firms like Solvay S.A., Evonik Industries A.G., and Arkema S.A. fosters competition for the development of this region.

Based on the end-user industry, the global Hydrogen Peroxide market is segmented into Paper & Pulp, Textiles, Water & Waste Water Treatment, Food Processing, Electronics & Semiconductors, Pharmaceuticals, and Others. Among these, the Paper & Pulp industry is dominating the Hydrogen Peroxide market. This industry consumed approximately 47% of the market in 2022 and is anticipated to domain the market in the forecast period as well. Hydrogen Peroxide is frequently used in the paper industry to produce high-quality paper and packaging purposes. Globally, rate of paper consumption has been rising over the past few years and is likely to augment market expansion in future. However, the textiles sector also uses hydrogen peroxide extensively and constitutes a sizeable portion of the market. Furthermore, due to its powerful oxidizing capacity, hydrogen peroxide is used as a bleaching agent in certain edible products including wheat flour, edible oil, egg white, etc. in countries like the US, Canada, Australia, and New Zealand.

Major players in the production of Global Hydrogen Peroxide are Evonik Industries AG, SOLVAY, Arkema S.A, Mitsubishi Gas Chemical Company (MGC), Sunkyong Chemicals Ltd., Oci Chemicals, National Peroxide Limited (NPL), Indian Peroxide Limited (IPL), Eka Chemicals, Kemira Oyj, Taekwang Industrial Co. Ltd., and Others.

Years considered for this report:

Historical Period: 2015- 2022

Base Year: 2022

Estimated Year: 2023

Forecast Period: 2024-2032

This report will be delivered on an online digital platform with one-year subscription and quarterly update.

Objective of the Study:

To assess the demand-supply scenario of Hydrogen Peroxide which covers production, demand and supply of Hydrogen Peroxide market in the globe.

To analyse and forecast the market size of Hydrogen Peroxide

To classify and forecast Global Hydrogen Peroxide market based on end-use and regional distribution.

To examine competitive developments such as expansions, mergers & acquisitions, etc., of Hydrogen Peroxide market in the globe.

To extract data for Global Hydrogen Peroxide market, primary research surveys were conducted with Hydrogen Peroxide manufacturers, suppliers, distributors, wholesalers, and Traders. While interviewing, the respondents were also inquired about their competitors. Through this technique, ChemAnalyst was able to include manufacturers that could not be identified due to the limitations of secondary research. Moreover, ChemAnalyst analyzed various segments and projected a positive outlook for Global Hydrogen Peroxide market over the coming years.

ChemAnalyst calculated Hydrogen Peroxide demand in the globe by analyzing the historical data and demand forecast which was carried out considering the historical

extraction and supply and demand of Hydrogen Peroxide across the globe. ChemAnalyst sourced these values from industry experts, and company representatives and externally validated through analyzing historical sales data of respective manufacturers to arrive at the overall market size. Various secondary sources such as company websites, association reports, annual reports, etc., were also studied by ChemAnalyst.

#### Key Target Audience:

Hydrogen Peroxide manufacturers and other stakeholders

Organizations, forums and alliances related to Hydrogen Peroxide distribution

Government bodies such as regulating authorities and policy makers

Market research organizations and consulting companies

The study is useful in providing answers to several critical questions that are important for industry stakeholders such as Hydrogen Peroxide manufacturers, customers and policy makers. The study would also help them to target the growing segments over the coming years (next two to five years), thereby aiding the stakeholders in taking investment decisions and facilitating their expansion.

#### Report Scope:

In this report, Global Hydrogen Peroxide market has been segmented into following categories, in addition to the industry trends which have also been detailed below:

Attribute

Details

Market size Volume in 2022 4400 thousand tonnes

Market size Volume by 2032 7800 thousand tonnes

Growth Rate CAGR of 5.88% from 2023 to 2032

Base year for estimation 2023

Historic Data 2015 – 2022

Forecast period 2024 – 2032

Quantitative units Demand in thousand tonnes and CAGR from 2023 to 2032

Report coverage Industry Market Size, Capacity by Company, Capacity by Location, Operating Efficiency, Production by Company, Demand by End- Use, Demand by Region, Demand by Sales Channel, Demand-Supply Gap, Company Share, Foreign Trade

Segments covered By End-Use: (Paper & Pulp, Textiles, Water & Waste Water Treatment, Food Processing, Electronics & Semiconductors, Pharmaceuticals, and Others)

By Sales Channel: (Direct Sale and Indirect Sale)

Regional scope North America, Europe, Asia Pacific, Middle East and Africa, and South America.

Pricing and purchase options Avail customized purchase options to meet your exact research needs. Explore purchase options

Available Customizations:

With the given market data, ChemAnalyst offers customizations according to a company's specific needs.

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It is an essential metric for market analysis, as it provides insights into the overall size and growth potential of Hydrogen Peroxide market in terms of value and volume.

#### **2. CAPACITY BY COMPANY**

On our online platform, you can stay up to date with essential manufacturers and their current and future operation capacity on a practically real-time basis for Hydrogen Peroxide.

#### **3. CAPACITY BY LOCATION**

To better understand the regional supply of Hydrogen Peroxide by analyzing its manufacturers' location-based capacity.

#### **4. PLANT OPERATING EFFICIENCY [QUARTERLY UPDATE]**

To determine what percentage manufacturers are operating their plants or how much capacity is being currently used.

#### **5. PRODUCTION BY COMPANY [QUARTERLY UPDATE]**

Study the historical annual production of Hydrogen Peroxide by the leading players and forecast how it will grow in the coming years.

#### **6. DEMAND BY END- USE [QUARTERLY UPDATE]**

Discover which end-user industry (Paper & Pulp, Textiles, Water & Waste Water Treatment, Food Processing, Electronics & Semiconductors, Pharmaceuticals, and Others) are creating a market and the forecast for the growth of the Hydrogen Peroxide market.

#### **7. DEMAND BY REGION**

Analysing the change in demand of Hydrogen Peroxide in different regions, i.e., North America, Europe, Asia Pacific, Middle East and Africa, and South America, that can direct you in mapping the regional demand.

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Multiple channels are used to sell Hydrogen Peroxide. Our sales channel will help in analyzing whether distributors and dealers or direct sales make up most of the industry's sales.

## **9. DEMAND-SUPPLY GAP**

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Get details about quantity of Hydrogen Peroxide imported by major countries.

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Plant wise detail of Technology Licensor and detailed description of technology is mapped.

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Years considered for this report:

Historical Period: 2015- 2022

Base Year: 2022

Estimated Year: 2023

Forecast Period: 2024-2032



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