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Description:

Hydrogen Peroxide Market: Information by Grade (Standard, Chemical, Aseptic, Semiconductor), Application (Bleaching, Oxidation, Environmental), End-Use Industry (Pulp & Paper, Chemicals, Textile, Food & Beverage), and Region — Global Forecast till 2023

Market Synopsis

Hydrogen peroxide (H2O2) is a colorless water-soluble liquid and one of the most versatile and eco-friendly oxidizing agents. The anthraquinone auto-oxidation (AO) process dominates the industrial production of H2O2, wherein, hydrogen and oxygen are reacted indirectly in the presence of quinones to produce hydrogen peroxide. It is supplied to the market in the form of aqueous solutions. Globally, China accounts for more than 30% market share of total hydrogen peroxide production. Pulp & paper and chemicals industries are the major consumers of the product with a combined market share exceeding 50% in 2017.

According to the MRFR analysis, the global hydrogen peroxide is projected to register a CAGR of 5.5% during the forecast period to reach USD 4.0 billion by the end of 2023. The prominent factors driving growth of the global market are increasing demand for the product in the pulp and paper and chemicals industry. Hydrogen peroxide is largely consumed in the pulp & paper industry for bleaching of chemical and mechanical pulp and de-inking of recycled paper. Increasing consumption of paper in the developing economies and rising demand for hygiene paper, tissues, and packaging is expected to favor growth of the pulp and paper industry and hence the global hydrogen peroxide market. Moreover, the rising environmental restrictions on the use of chlorine-derived bleaching chemicals is further boosting demand for hydrogen peroxide in bleaching applications. In the chemicals industry, the product finds application as an oxidizing agent in the manufacture of various organic compounds. Some of the major applications include propylene oxide production, organic peroxide initiators, catechol production, and flame retardants. Increasing demand for propylene oxide in the production of polyurethane foams, and hence the need for hydrogen peroxide to produce the propylene oxide is rising consequently.

The prominent players operating in this market are focusing on adoption of various business strategies such as R&D, product launches, expansions, joint ventures, agreements, and acquisitions to strengthen their global foothold. For instance, in May 2018, Arkema launched a new grade of hydrogen peroxide, Valsterane S-HP (Spray High-Performance), for spray Aseptic packaging systems. This grade is the highest purity product available in the market and helps in decreasing the maintenance downtimes for spray aseptic packaging processes.

Global Hydrogen Peroxide Market Share, by End-Use Industry, 2017 (%)
Regional Analysis

The global hydrogen peroxide market has been studied with respect to five regions, namely, Asia-Pacific, North America, Europe, Latin America, and the Middle East & Africa. In 2017, Asia-Pacific accounted for the largest share of this market and is expected to be the fastest growing regional market during the forecast period. Significant growth of the pulp and paper and textiles industry in the region is expected to be the key driver for growth of the regional market. Moreover, due to the rising concerns over environmental pollution, the demand for waste water treatment has been increasing gradually over the past few years and is expected to increase in the coming years. This is likely to boost demand for hydrogen peroxide in the region and favor growth of the regional market in the years to follow.

North America and Europe are expected to be the other significant regional markets for hydrogen peroxide during the forecast period. US is the market leader in North America and accounts for majority of the market share of the global market. This can be attributed to high product demand in the production of propylene oxide.

Market Segmentation

The global hydrogen peroxide market has been segmented on the basis of grade, application, end-use industry, and region.

Based on grade, the global hydrogen peroxide market has been classified into standard, chemical, cosmetic, aseptic, food, semiconductor, and others.

By application, the global hydrogen peroxide market has been categorized as bleaching, oxidation, environmental, packaging, disinfectant, propellant, and others.

On the basis of end-use industry, the global hydrogen peroxide market has been divided into pulp & paper, textile, chemicals, food & beverage, personal care & cosmetics, healthcare, electronics, mining, and others.

The global hydrogen peroxide market has been studied with respect to five key regions—Asia-Pacific, North America, Europe, Latin America, and the Middle East & Africa.

Key Players

Some of the leading players in the global hydrogen peroxide market are Solvay (Belgium), Evonik Industries AG (Germany), Kemira (Finland), Arkema SA (France), Mitsubishi Gas Chemical Company Inc (Japan), Nouryon (the Netherlands), Chang Chun Group (Taiwan), National Peroxide Ltd (India), FMC Corporation (US), OCI Company Ltd (South Korea), Indian Peroxide Limited (India), Thai Peroxide Co. Limited (Thailand), Merck KGaA (Germany), Huatai Group (China), and Hansol Chemical (South Korea).

Intended Audience

- Hydrogen peroxide manufacturers
- Traders and distributors of hydrogen peroxide
- Research and development institutes
- Potential investors
- Raw material suppliers
- Nationalized laboratories

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