

Global Active Oxygens Market to Reach USD 7.41 Billion by 2035 with 5.5% CAGR Driven by Water Treatment & Textile Demand

UK active oxygen industry to grow 5.0%

CAGR by 2035, driven by strong

government support for biosystems, environmental sustainability, and industrial safety.

NEWARK, DE, UNITED STATES, May 16, 2025 /EINPresswire.com/ -- The global [active oxygens](#)

[industry](#) is projected to be valued at USD 4.34 billion in 2025 and is expected to grow steadily at a CAGR of 5.5%, reaching USD 7.41 billion by 2035. This growth is driven by increasing demand across various sectors such as pulp and paper, textiles, and water treatment, owing to active oxygens' effective bleaching and disinfecting properties.

“

The active oxygens market is set to grow strongly, driven by rising demand in healthcare, water treatment, and sustainable industrial applications worldwide.”

Nikhil Kaitwade

Active oxygens refer to reactive oxygen species (ROS) and related compounds that exhibit strong oxidizing capabilities. These substances are widely utilized for their

ability to break down organic matter, eliminate pathogens, and improve product quality through oxidation. The market encompasses various forms of active oxygen compounds including hydrogen peroxide, ozone, peracetic acid, and other oxygen-releasing agents.

Request Your Sample Report Now! <https://www.futuremarketinsights.com/reports/sample/rep-gb-17710>

Key Drivers of Market Growth

The growth of the active oxygens market is propelled by multiple factors. The healthcare sector is a significant contributor, utilizing active oxygen compounds for sterilization and infection control in hospitals and clinics. The COVID-19 pandemic further amplified the necessity for effective disinfectants, enhancing demand for oxygen-based sanitizers and surface cleaners.

In the environmental domain, active oxygens play a critical role in [water and wastewater treatment](#). With increasing concerns over water pollution and stricter discharge regulations, industries are adopting oxygen-based oxidation methods to remove contaminants, degrade

pollutants, and purify water resources. This trend is particularly prominent in emerging economies where industrialization and urbanization drive the need for sustainable water management solutions.

The textile industry is another major application area, employing active oxygens in bleaching and dyeing processes. The ability of active oxygen agents to provide efficient bleaching without harsh chemicals aligns well with the growing consumer preference for eco-friendly textiles and sustainable manufacturing practices.

Electronics and semiconductor manufacturing also leverage active oxygen compounds for cleaning and surface treatment of delicate components. The demand for high precision and purity in electronic devices ensures continued use of these chemicals in production lines.

Technological Advancements

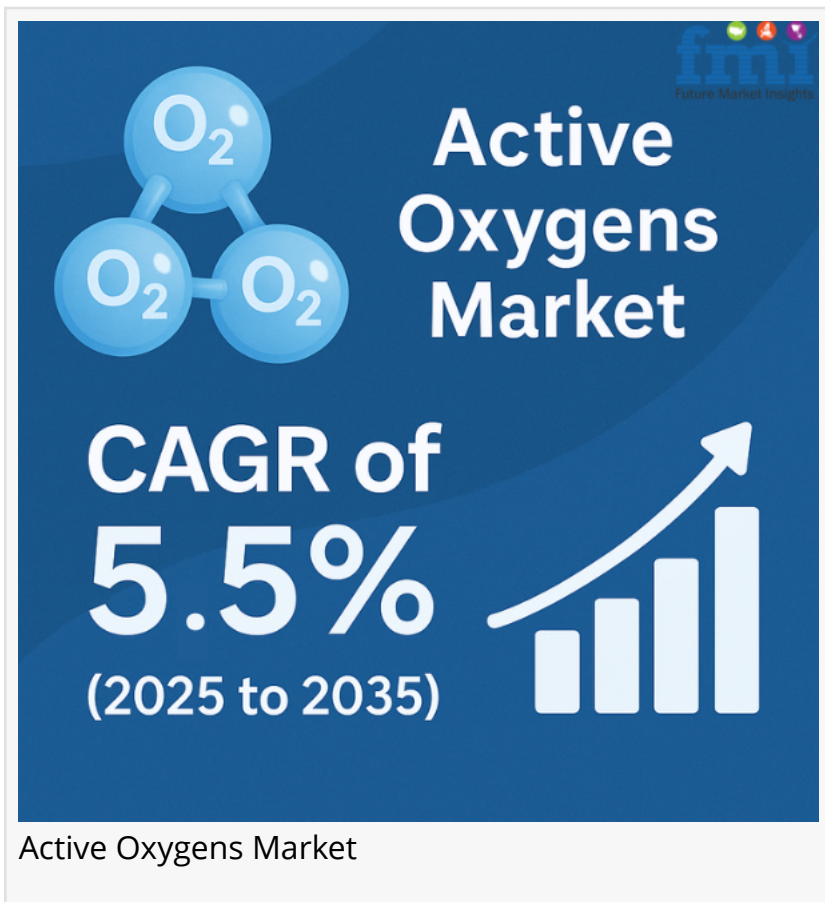
Innovation is a cornerstone of the active oxygens market. Advances in formulation and delivery technologies have improved the stability, efficacy, and safety of active oxygen products. New generation formulations offer controlled release, enhanced oxidation potential, and reduced environmental impact.

Nanotechnology and catalytic activation methods are being explored to optimize active oxygen generation and utilization. For example, the development of catalytic converters for hydrogen peroxide decomposition enhances efficiency in disinfection processes while minimizing chemical waste.

Additionally, the integration of active oxygen technology with automated systems and smart devices is gaining traction, enabling precise dosing and monitoring in industrial and healthcare applications.

Discover Key Market Trends – Read the Complete Report!

<https://www.futuremarketinsights.com/reports/active-oxygens-market>



Regional Insights

Geographically, the Asia-Pacific region dominates the active oxygens market, fueled by rapid industrial growth, expanding healthcare infrastructure, and increased environmental regulation enforcement. Countries like China, India, and Japan are witnessing significant investments in water treatment facilities and healthcare modernization, which directly contribute to the rising consumption of active oxygen compounds.

North America and Europe continue to be mature markets with steady demand driven by stringent regulatory compliance and high adoption of advanced technologies. The focus on green chemistry and sustainable industrial practices supports the growth of oxygen-based oxidants as safer alternatives.

Emerging markets in Latin America and the Middle East and Africa are also presenting growth opportunities as awareness and infrastructure development progress in these regions.

Key Companies

- Solvay
- Evonik Industries AG
- BASF SE
- Arkema S.A.
- Nouryon
- PeroxyChem (acquired by Evonik)
- Kemira Oyj
- Hansol Chemical
- Thai Peroxide Co., Ltd.
- Mitsubishi Gas Chemical Company
- OCI Company Ltd.
- FMC Corporation
- National Peroxide Limited
- Akzo Nobel N.V.
- Chang Chun Petrochemical Co., Ltd.

Inorganic Chemicals Industry Analysis: <https://www.futuremarketinsights.com/industry-analysis/inorganic-chemicals>

Active Oxygens Market Segmentation

By Product Type:

- Peroxides
- Ozone

By End Use:

- Cleaning and Disinfection
- Aseptic Packaging
- Textile and Laundry
- Aquaculture
- Soil and Groundwater Remediation
- Chemical Synthesis
- Others

By Region:

- North America
- Latin America
- Western Europe
- Eastern Europe
- East Asia
- South Asia and Pacific
- Middle East and Africa

Have a Look at Related Research Reports of Chemicals & Materials

USA and Canada Potassium Sulfate Market Outlook:

<https://www.futuremarketinsights.com/reports/usa-and-canada-potassium-sulfate-market>

Industrial Sodium Chloride Market Trends:

<https://www.futuremarketinsights.com/reports/industrial-sodium-chloride-market>

Silver Nitrate Market Forecast: <https://www.futuremarketinsights.com/reports/silver-nitrate-market>

Potassium Carbonate Market Demand:

<https://www.futuremarketinsights.com/reports/potassium-carbonate-market>

Aluminum Phosphide Market Growth:

<https://www.futuremarketinsights.com/reports/aluminum-phosphide-market>

About Future Market Insights (FMI)

Future Market Insights, Inc. (ESOMAR certified, recipient of the Stevie Award, and a member of the Greater New York Chamber of Commerce) offers profound insights into the driving factors that are boosting demand in the market. FMI stands as the leading global provider of market intelligence, advisory services, consulting, and events for the Packaging, Food and Beverage, Consumer Technology, Healthcare, Industrial, and Chemicals markets. With a vast team of over 400 analysts worldwide, FMI provides global, regional, and local expertise on diverse domains

and industry trends across more than 110 countries. Join us as we commemorate 10 years of delivering trusted market insights. Reflecting on a decade of achievements, we continue to lead with integrity, innovation, and expertise.

Contact Us:

Future Market Insights Inc.
Christiana Corporate, 200 Continental Drive,
Suite 401, Newark, Delaware - 19713, USA
T: +1-347-918-3531
For Sales Enquiries: sales@futuremarketinsights.com
Website: <https://www.futuremarketinsights.com>

Ankush Nikam
Future Market Insights, Inc.
+91 90966 84197
[email us here](#)

Visit us on social media:

[LinkedIn](#)
[Facebook](#)
[YouTube](#)
[X](#)

This press release can be viewed online at: <https://www.einpresswire.com/article/813158395>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2025 Newsmatics Inc. All Right Reserved.