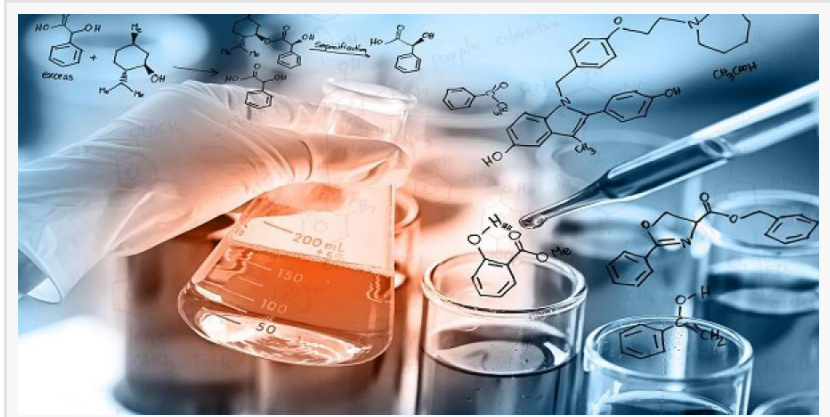


# Propylene Oxide Market: Projected Growth from USD 21.7 billion in 2023 to USD 33.98 billion by 2030, at a CAGR of 5.1 %

*Propylene Oxide: Revolutionizing Industry with Innovation and Versatility Dive into the future of this essential chemical!*

LUTON, BEDFORDSHIRE, UNITED KINGDOM, August 22, 2024

[/EINPresswire.com/](https://www.einpresswire.com/) -- [propylene oxide](#) market is expected to grow significantly with increasing demand across industries. Key drivers include industrial expansion and technological advancements. The increasing interest of the individuals in this industry is that the major reason for the expansion of this market".



Global Propylene Oxide Market

Exactitude Consultancy has published a new research report on "Propylene Oxide Market Size 2024". Propylene oxide (C<sub>3</sub>H<sub>6</sub>O), is a synthetic cyclic ether that is mostly made by either dehydrochlorinating propylene chlorohydrin or indirectly oxidizing propylene. Propylene Oxide is commonly used as a precursor in the manufacturing of numerous chemicals as well as in the automotive, electronics, textile, and furniture industries.

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Propylene Oxide Market: Expected to grow significantly with increasing demand across industries. Key drivers include industrial expansion and technological advancements.”

*Exactitude Consultancy*

To get rid of bacterial and insect infestations in soil and packaged foods, use propylene oxide as a fumigant. Additionally, very little propylene oxide is used in the sterilization of medical equipment. Due to its widespread use in the automotive industry, propylene oxide is in high

demand as the sector grows quickly. The need for automobiles with stronger, more robust structures is driving up the use of propylene oxide.

Propylene oxide market is expected to witness a steady growth over the forecast period. The market is driven by the increasing demand for propylene oxide in various industries, such as automotive, construction, and food processing. The market is also expected to be influenced by the growing adoption of substitute products, such as alkylene carbonate, which is used as a viable alternative to synthesizing liquid polyols.

Propylene oxide is a chemical with significant commercial value that finds use as an intermediate for a broad range of products in different industries. Propylene oxide's growth is mostly due to the expansion of its end-use industries, which include the building, automotive, textile, and aerospace sectors. Propylene oxide, for example, is widely used in the production of adhesives, waterproofing materials, paints, grouts, coatings, and construction chemicals. Propylene oxide involves in the manufacturing of propylene glycol, which is further used in several food products, such as cake mix, drink mix, dried soups, dressings, soft drinks, bread, fast foods, and dairy products. Surging demand for packaged food products is anticipated to boost the consumption of propylene glycol across the globe.

Exposure to propylene oxide causes eye and respiratory irritation in both humans and animals. Human skin contact can cause necrosis and irritation even with weak solutions. Additionally, the central nervous system is slightly depressed by the properties of propylene oxide. Long-term inhalation exposure to propylene oxide has caused inflammatory lesions and neurological effects in the lungs, trachea, and nasal passages of exposed animals. The EPA lists propylene oxide as a Group B2 probable carcinogen. Hence, the toxic nature of propylene oxide is anticipated to hamper the growth of the global propylene oxide market during the forecast period. The growing adoption of substitute products, such as alkylene carbonate as a viable alternative to synthesizing liquid polyols is also expected to be the key factor restraining the market growth.

The use of propylene oxide is growing across a number of industries, including the automotive and construction sectors. The demand for polyurethane materials has increased as a result of the construction industry's growing focus on the construction of energy-efficient buildings. Whether a rigid foam is used as a sandwich element for new structural and insulating blocks or spray foam for energy retrofitting, polyurethane foam is at the heart of modern energy management. The growing automotive sector in various emerging economies promises to improve profitability for propylene oxide suppliers over the coming years.

Dow Chemical Company

BASF SE

Royal Dutch Shell PLC

Huntsman Corporation

LyondellBasell Industries Holdings B.V.

Asahi Kasei Corporation

SKC Co., Ltd.

Sumitomo Chemical Co., Ltd.

Repsol S.A.

PCC Rokita SA

others...

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In May 2024, KBR and Sumitomo Chemical announced a technology licensing agreement for a low-carbon propylene oxide production technique. This demonstrates the industry's growing trend toward more sustainable operations.

May 16, 2024 -- Dow announced today the start-up of its propylene glycol (PG) capacity expansion at its integrated manufacturing facility in Map Ta Phut, Rayong, Thailand. The low capital intensity, higher-return, incremental investment increases propylene glycol capacity by 80,000 tons per year, which brings the total output to 250,000 tons per year, making the Dow Map Ta Phut PG manufacturing facility the largest of its kind in Asia Pacific.

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<https://exactitudeconsultancy.com/reports/18602/propylene-oxide-market/>

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Throughout the projected period, the propylene oxide market is expected to be dominated by Asia Pacific. Asia-Pacific is rapidly industrializing and urbanizing, mostly due to China and India. The market in the area grows as a result of this expansion, which increases demand for products like polyurethane foams used in the construction and automotive industries, both of which need a lot of propylene oxide. Large chemical companies are making significant investments in the Asia-Pacific region in order to benefit from lower production costs and proximity to expanding markets. The creation of new production facilities and the expansion of current plants are among the investments that will significantly boost the area's capacity to produce propylene oxide. The building and automotive industries in Asia-Pacific are expanding swiftly along with the region's economies and population.

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The Europe region is anticipated to grow significantly over the projected period. Modern manufacturing techniques, like the HPPO method, which produces propylene oxide more effectively and sustainably than conventional methods, are being adopted by European nations first. This technical leadership benefits the local market by increasing manufacturing efficiency and reducing environmental effects. Europe is home to a thriving automotive and furniture manufacturing industries, both of which use a lot of propylene oxide-based polyurethane. The persistent demand from these industries is driving the growth of the propylene oxide market in the region. Furthermore, demand for propylene oxide-based polyurethane foam insulation is rising due to Europe's increased focus on energy-efficient building practices.

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When it comes to chemical engineering innovation, North America is leading the way. This includes developing safer and more effective methods for producing propylene oxide. By reducing byproducts and raising yields, these enhancements draw investment and expand the region's market potential. Propylene oxide demand is driven by North America's robust housing market and rising remodeling activity, especially in sealants and insulation foams. The sustained growth of the propylene oxide market is facilitated by the ongoing demand from the construction sector. Moreover, the expansion of multiple end-use industries in North America, such as textiles, furniture, and automotive, contributes to the rising demand for polyurethane products, the majority of which are made from propylene oxide. Demand is also being increased by the region's industrial expansion and economic recovery.

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Propylene Oxide Market By Application, 2020-2030, (USD Billion), (Kilotons)

Polyether Polyols

Propylene Glycols

## Propylene Oxide Market By Production Process, 2020-2030, (USD Billion), (Kilotons)

Chlorohydrin

Styrene Monomer

Cumene Based

## Propylene Oxide Market By End-Use Industry, 2020-2030, (USD Billion), (Kilotons)

Automotive

Building & Construction

## Propylene Oxide Market By Region, 2020-2029, (USD Billion), (Kilotons)

North America

Asia Pacific

Europe

South America

Middle East And Africa

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□□□□□□□□□□ □□□□□□□□: A concise overview of the market's size, growth potential, and key trends.

□□□□□□ □□□□□□: A clear definition of the market's boundaries and the products or services it encompasses.

□□□□□□ □□□□□□□□□□: A detailed analysis of the market's current state, including major players, competitive landscape, and market dynamics.

□□□□□□ □□□□□□□□: A breakdown of the market's size by revenue, volume, or other relevant metrics, with historical data and future projections.

□□□□□□ □□□□□□□□□□□□□□: A categorization of the market based on various factors like customer type, product category, and geographical location.

Porter's Five Forces Analysis: An evaluation of the competitive landscape using Porter's Five Forces framework, identifying bargaining power of buyers and suppliers, threats of new entrants and substitutes, and competitive rivalry.

Customer Segments: An in-depth exploration of the market's customer base, their needs, buying behavior, and decision-making processes.

Geographic Distribution: An analysis of the market's geographic distribution, highlighting key regions and growth opportunities.

Strategic Insights: A practical guide to help you make strategic decisions based on the market insights presented.

Key Drivers and Barriers: An examination of the key factors that propel the market forward and the potential obstacles that might hinder its growth.

Emerging Trends: An exploration of the current and emerging trends that will shape the future of the market.

SWOT Analysis: A detailed assessment of the strengths, weaknesses, opportunities, and threats (SWOT analysis) of key vendors.

This comprehensive guide empowers you to gain a strategic advantage in the Propylene Oxide market. Utilize the insights within to navigate the competitive landscape, identify growth opportunities, and make informed business decisions.

Don't miss out! Get your copy of this essential market research report today. Contact us now for more information.

<https://exactitudeconsultancy.com/primary-research/>

Market Overview

Market Size and Growth: The global market is valued at \$1.2 billion in 2023, with a projected CAGR of 5.5% from 2023 to 2030. The market is expected to reach \$1.8 billion by 2030.

<https://exactitudeconsultancy.com/reports/7645/activated-carbon-market/>

Market Segments: The market is segmented into residential and commercial applications. The residential segment is expected to grow at a CAGR of 6.0% from 2023 to 2030, reaching \$1.5 billion by 2030.

<https://exactitudeconsultancy.com/reports/5779/ceramic-tiles-market/>

Exactitude Consultancy reports on the Agricultural Adjuvants Market, showing a 0.0% increase in market value from 2018 to 2020, with a forecast of 0.0% for 2021.

<https://exactitudeconsultancy.com/reports/20575/agricultural-adjuvants-market/>

Exactitude Consultancy reports on the Foilar Spray Market, showing a 0.0% increase in market value from 2018 to 2020, with a forecast of 0.0% for 2021.

<https://exactitudeconsultancy.com/reports/26126/foilar-spray-market/>

Exactitude Consultancy reports on the HVAC Insulation Market, showing a 0.0% increase in market value from 2018 to 2020, with a forecast of 0.0% for 2021.

<https://exactitudeconsultancy.com/reports/25033/hvac-insulation-market/>

Exactitude Consultancy reports on the Fuel Cells Market, showing a 0.0% increase in market value from 2018 to 2020, with a forecast of 0.0% for 2021.

<https://exactitudeconsultancy.com/reports/23515/fuel-cells-market/>

Exactitude Consultancy reports on the Polymer Foam Market, showing a 0.0% increase in market value from 2018 to 2020, with a forecast of 0.0% for 2021.

<https://exactitudeconsultancy.com/reports/28495/polymer-foam-market/>

Exactitude Consultancy reports on the Non-Conductive Ink Market, showing a 0.0% increase in market value from 2018 to 2020, with a forecast of 0.0% for 2021.

<https://exactitudeconsultancy.com/reports/25494/non-conductive-ink-market/>

Exactitude Consultancy reports on the Modacrylic Fiber Market, showing a 0.0% increase in market value from 2018 to 2020, with a forecast of 0.0% for 2021.

<https://exactitudeconsultancy.com/reports/12083/modacrylic-fiber-market/>

Exactitude Consultancy reports on the Catalyst Handling Services Market, showing a 0.0% increase in market value from 2018 to 2020, with a forecast of 0.0% for 2021.

<https://exactitudeconsultancy.com/reports/13007/catalyst-handling-services-market/>

Exactitude Consultancy reports:

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