

# Global Propylene Oxide Market: Size, Trends & Forecast with Impact Analysis of COVID-19 (2022-2026)

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## Abstracts

### Scope of the Report

The report titled “Global Propylene Oxide Market: Size, Trends & Forecast with Impact Analysis of COVID-19 (2022-2026)”, provides an in depth analysis of the global propylene oxide market by value, by total capacity, by demand, by application, by region, etc. The report provides a regional analysis of the propylene oxide market, including the following regions: China, Europe, North America, Asia (excluding China), Middle East/Africa and Others. The report also provides a detailed analysis of the COVID-19 impact on the global propylene oxide market.

The report also assesses the key opportunities in the market and outlines the factors that are and will be driving the growth of the industry. Growth of the global propylene oxide market has also been forecasted for the period 2022-2026, taking into consideration the previous growth patterns, the growth drivers and the current and future trends.

The global propylene oxide market is fragmented with the presence of many major players. The key players of the market: Shell Plc, BASF SE, Dow Inc. and LyondellBasell are also profiled with their financial information and respective business strategies.

### Country Coverage

China

Europe

North America

Asia (excluding China)

Other

### Company Coverage

Shell Plc

BASF SE

Dow Inc.

LyondellBasell

### Executive Summary

Propylene oxide is an organic compound with the chemical formula  $\text{CH}_3\text{CHCH}_2\text{O}$ . The production of polyether polyols for use in polyurethane polymers is the major application of this colorless volatile liquid, which is made on a large scale in the industrial sector. Despite the fact that it is usually used as a racemic mixture, it is a chiral epoxide.

Propylene oxide is a highly reactive chemical used as an intermediate in the production of a variety of industrial products. Because it includes active hydrogen atoms, it reacts rapidly with alcohols, amines, and acids, and is thus commonly employed in the manufacture of polyether polyols (poly glycol ethers), propylene glycols, and propylene alcohol.

The propylene oxide market can be divided into applications (Polyether Polyol, Propylene Glycol, and Other Propylene Oxide Applications). Polyether polyols are made by reacting epoxides like ethylene oxide or propylene oxide with multifunctional initiators, usually strong bases like double metal cyanides or potassium hydroxides, in the presence of a catalyst. They're commonly employed in the manufacturing of flexible foams and polyurethanes. Propylene glycol is a water-absorbent alcohol that reacts well

with a wide range of solvents. Propylene glycol is a synthetic liquid used in a variety of applications in the pharmaceutical, cosmetics, and manufacturing industries.

The global propylene oxide market is projected to rise considerably in the next four years i.e. 2022-2026. The global propylene oxide market is expected to rise due to increasing demand from building and construction industry, rapid urbanization, advancements in healthcare industry, rising demand from automotive industry, and increasing demand of propylene glycol. The market also faces some challenges like toxicity of propylene oxide, and available substitutes.

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