

# Global Propylene Oxide Market Size Study, By Application, Production Process, End-Use Industry, and Regional Forecasts 2022-2032

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## Abstracts

The Global Propylene Oxide Market is valued at approximately USD 25.09 billion in 2023 and is anticipated to expand at a compound annual growth rate (CAGR) of 5.60% over the forecast period 2024-2032. Propylene oxide, a highly reactive organic compound, is widely used as a crucial intermediate in the production of polyether polyols, propylene glycols, and other derivatives. These derivatives play an indispensable role across multiple industries, such as automotive, construction, and consumer goods manufacturing, due to their excellent insulation properties, lightweight nature, and structural stability. The growing shift towards lightweight materials, energy-efficient insulation, and high-performance adhesives in both automotive and construction applications is significantly driving demand for propylene oxide worldwide.

The increasing adoption of polyurethane foams, which are primarily derived from propylene oxide, is a key factor contributing to market expansion. In the construction sector, polyurethane foams are widely used for insulation, while the automotive industry is leveraging these materials for lightweight vehicle components. Furthermore, polypropylene glycols, another derivative of propylene oxide, are gaining traction in the pharmaceutical and food industries due to their applications in cosmetic formulations, food additives, and drug excipients. However, fluctuating raw material prices and stringent environmental regulations regarding the production and handling of propylene oxide present notable challenges for market growth.

From a regional perspective, Asia-Pacific dominates the global propylene oxide market, with China, India, and Japan emerging as major manufacturing hubs, fueled by rising infrastructure development and the booming automotive industry. Meanwhile, North America and Europe continue to witness steady demand, driven by technological

advancements in chemical processing and sustainability initiatives to develop eco-friendly production methods. Additionally, Latin America and the Middle East & Africa are gradually emerging as key markets, propelled by expanding industrialization and increasing demand for advanced materials in various sectors.

#### Major Market Players Included in This Report:

Dow Inc.

BASF SE

Royal Dutch Shell plc

LyondellBasell Industries N.V.

Huntsman Corporation

Sumitomo Chemical Co., Ltd.

Repsol S.A.

AGC Inc.

SKC Co., Ltd.

Eastman Chemical Company

Ineos Group

Solvay S.A.

Mitsui Chemicals, Inc.

Covestro AG

SABIC

The Detailed Segments and Sub-Segments of the Market Are Explained Below:

*Global Propylene Oxide Market Size Study, By Application, Production Process, End-Use Industry, and Regional F...*

By Application:

Polyether Polyols

Propylene Glycols

By Production Process:

Chlorohydrin Process

Styrene Monomer Process

Cumene-Based Process

By End-Use Industry:

Automotive

Building & Construction

By Regional Outlook:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

Rest of Europe

Asia-Pacific

China

India

Japan

Australia

South Korea

Rest of Asia-Pacific

Latin America

Brazil

Mexico

Rest of Latin America

Middle East & Africa

Saudi Arabia

UAE

South Africa

Rest of MEA

#### Key Takeaways from the Report:

Market estimates and forecasts spanning 2022 to 2032.

Annualized revenue analysis and insights into regional trends.

In-depth study of geographical market distribution with country-level evaluations.

Competitive landscape overview, including major industry players and market share analysis.

Examination of key business strategies and future investment recommendations.

Evaluation of market structure, including demand and supply dynamics.

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