

Propylene Oxide Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

Propylene Oxide Market Overview 2023-2028:

The global propylene oxide market size reached US\$ 19.9 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 27.5 Billion by 2028, exhibiting a growth rate (CAGR) of 5.3% during 2023-2028.

Propylene oxide (C₃H₆O), also known as epoxypropane, is a synthetic cyclic ether majorly produced by either the dehydrochlorination of propylene chlorohydrin or the indirect oxidation of propylene. It is a clear, volatile liquid that is flammable, non-corrosive to metals, and soluble in water and alcohol. As a result, it is extensively utilized in the automotive, electronics, textile & furnishing, and as a precursor in the production of various chemicals. It is also applied as a fumigant for controlling bacterial contamination and insect infestations in soil and packaged food products. Besides this, minor quantities of propylene oxide are used for sterilizing medical equipment.

Propylene Oxide Market Trends:

The market growth can be attributed to the expanding applications of propylene oxide in various end use industries. For instance, polyether polyols and propylene glycol ethers produced from propylene oxide, are widely utilized in the textile, automotive, construction and aerospace industries. It is also used as a transition fluid in tissue processing for transmission electron microscopy (TEM). Apart from this, changing lifestyles, burgeoning food and beverage (F&B) industry and the growing health consciousness among individuals are escalating the demand for packaged food products, which, in turn, is contributing to the market growth.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global propylene oxide market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on production process, application and end use industry.

Breakup by Production Process:

Chlorohydrin Process (CHPO)

Styrene Monomer Process

Hydrogen Peroxide Process

TBA Co-Product Process

Cumene-based Process

Breakup by Application:

Polyether Polyols

Propylene Glycols

Propylene Glycol Ethers (PGE)

Polyalkylene Glycols

Others

Breakup by End Use Industry:

Automotive

Construction

Chemicals and Pharmaceuticals

Packaging

Textile and Furnishing

Others

Breakup by Region:

North America

United States

Canada

Asia Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape:

The report has also analysed the competitive landscape of the market with some of the key players being AGC Chemicals Americas Inc., Air Liquide S.A., BASF SE, Dow Inc., Eastman Chemical Company, Huntsman International LLC, Ineos Chemicals Company, LyondellBasell Industries Holdings B.V., Mitsui Chemicals, Repsol S.A., Royal Dutch Shell PLC, Saudi Arabia Basic Industries Corporation (Saudi Aramco), SK Chemicals Co. Ltd., Sumitomo Chemical Co. Ltd. and Tokuyama Corporation.

Key Questions Answered in This Report:

How has the global propylene oxide market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the global propylene oxide market?

What are the key regional markets?

What is the breakup of the market based on the production process?

What is the breakup of the market based on the application?

What is the breakup of the market based on the end use industry?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global propylene oxide market and who are the key players?

What is the degree of competition in the industry?

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