

# **Global Ethylene Carbonate Market Size study, by Form (Solid, Liquid), By Application (Lubricants, Surface Coatings, Lithium Battery Electrolyte, Plasticizers, Others), By End Use (Automotive, Industrial, Oil & Gas, Medical, Others) and Regional Forecasts 2022-2032**

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## **Abstracts**

Global Ethylene Carbonate Market is valued approximately USD 553.2 million in 2023 and is anticipated to grow with a healthy growth rate of more than 7.10% over the forecast period 2024-2032. Ethylene Carbonate (EC) is a colorless, odorless, crystalline solid at room temperature gaining high traction for its high polarity and high dielectric constant, making it an essential solvent and electrolyte component in lithium-ion batteries. Its ability to form a stable solid electrolyte interface enhances battery performance and longevity. Additionally, EC is used as a plasticizer and as a precursor in the synthesis of polycarbonate plastics and other chemical compounds. Its high solubility in water and various organic solvents broadens its application scope in different industrial processes. The increasing focus on renewable energy is a key trend for the Global Ethylene Carbonate Market. The global push towards renewable energy sources such as solar and wind power necessitates efficient energy storage systems. Ethylene Carbonate is integral to the formulation of electrolytes that improve the performance and stability of batteries used in renewable energy storage applications.

Governments around the world are increasingly implementing regulations to reduce greenhouse gas emissions. These regulations are driving the adoption of electric vehicles and renewable energy sources, both of which rely on lithium-ion batteries. This government support further increase the demand for ethylene carbonate. The ethylene carbonate demand is on a constant surge owing to the rising usage of electric vehicles,

and the growing need for energy storage solutions. Its pivotal role in electrolyte formulations for lithium-ion batteries, extensively applied in electric vehicles, portable electronics, and renewable energy storage, solidifies its market relevance. Additionally, ethylene carbonate serves diverse sectors such as plastics, coatings, adhesives, and pharmaceuticals. The burgeoning of these industries, particularly in emerging economies, significantly fuels the market's growth globally. Moreover, continuous innovations in Ethylene Carbonate production processes, along with investments in infrastructure and research, are driving market expansion. Companies are focusing on developing cost-effective and high-quality Ethylene Carbonate to meet growing demand. Along with this, the rising demand for ethylene carbonate across various industrial applications, coupled with the growing emphasis on environmental sustainability are further presenting various growth prospects to the Global Ethylene Carbonate Market during the estimated period. However, the growth of the global Ethylene Carbonate Market is anticipated to be restrained by price volatility for raw materials and the usage of extremely hazardous raw materials in the manufacturing of ethylene carbonate between 2024 and 2032

The key regions considered for the Global Ethylene Carbonate Market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. In 2023, North America dominates the Ethylene Carbonate Market share. Whereas, Asia Pacific is poised for fastest growth driven by rising adoption of electric vehicles and the growing need for energy storage systems. Also, factors such as a robust industrial foundation, favorable government policies, and access to affordable labor, which encourage significant investments from major industry players. Furthermore, the region is a key producer of lithium-ion battery electrolytes and EV lithium-ion batteries, positioning it prominently for driving market expansion in the anticipated years of 2024-2032.

Major market player included in this report are:

Mitsubishi Chemical Corporation

Oriental Union Chemical Corporation (OUCC)

FUJIFILM Wako Pure Chemical Corporation

Taogosei Co. Ltd

Huntsman International LLC

Empower Materials Inc

BASF SE

Indorama Ventures Public Company Limited

Lotte Chemical Corporation

Dongying Hi-tech Spring Chemical Industry Co., Ltd.

The detailed segments and sub-segment of the market are explained below:

**By Form**

Solid

Liquid

**By Application**

Lubricants

Surface Coatings

Lithium Battery Electrolyte

Plasticizers

Others

**By End Use**

Automotive

Industrial

Oil & Gas

Medical

Others

**By Region:**

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America  
Brazil  
Mexico  
Middle East & Africa  
Saudi Arabia  
South Africa  
RoMEA

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market

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