

Europe 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 Country Forecasts 2022-2032

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Abstracts

Europe Ethylene Carbonate Market is valued approximately USD 110.64 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) refer to colorless, odorless solid in its crystalline form at standard temperatures. Its growing popularity stems from its exceptional polarity and dielectric properties, particularly valuable in lithium-ion batteries where it serves as a crucial solvent and electrolyte constituent. This compound's role extends to enhancing battery performance and longevity through the formation of a stable solid electrolyte interface. Also, EC has utility as a plasticizer and plays a key part in synthesizing polycarbonate plastics and various other chemicals. Its solubility in water and diverse organic solvents further widens its applications across different industrial sectors. The increasing focus on electric mobility is a key trend for the Europe Ethylene Carbonate Market. European countries are prioritizing the transition to electric mobility to reduce greenhouse gas emissions and dependence on fossil fuels. This shift is driving the demand for high-performance batteries, where Ethylene Carbonate is used as a critical component in lithium-ion batteries, contributing to the growth of the market.

The Europe Ethylene Carbonate Market is propelled by several key factors such as rising shift towards electric mobility, spurred by initiatives to reduce carbon emissions and promote sustainable transportation, which has led to increased adoption of electric vehicles (EVs). Ethylene Carbonate plays a major role in the production of lithium-ion

batteries for EVs, contributing significantly to market growth. Additionally, Europe's strong emphasis on integrating renewable energy sources such as solar and wind power has created a demand for energy storage solutions, where Ethylene Carbonate is crucial. The region's focus on energy efficiency, supported by stringent environmental regulations and favorable government policies, further drives the demand for high-performance batteries utilizing Ethylene Carbonate. Moreover, ongoing technological advancements, a robust industrial base, and consumer awareness about sustainability contribute to the growth trajectory of the Europe Ethylene Carbonate Market. However, volatility in raw material prices, coupled with the use of highly toxic raw materials in production of ethylene carbonate is expected to stifle Europe Ethylene Carbonate Market growth between 2024 and 2032.

The key countries considered for the Europe Ethylene Carbonate Market study includes UK, Germany, France, Italy, Spain, and Rest of Europe. In 2023, Germany is recorded with the substantial share in the Ethylene Carbonate Market. Germany is a leader in research and development for sustainable battery production methods. This focus on eco-friendly practices encourages the use of recycled materials in Ethylene Carbonate production, creating a more circular economy and boosting market growth. The thriving automotive industry, government support for e-mobility, focus on sustainable battery practices, and strong chemical industry expertise are significantly contributing to the growth of the Ethylene Carbonate Market within the country. Whereas, the market in France is expected to develop at the fastest rate over the forecast period.

Major market player included in this report are:

MERCK KGaA

BASF SE

Company 3

Company 4

Company 5

Company 6

Company 7

Company 8

Company 9

Company 10

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:

Europe

UK

Germany

France

Spain

Italy

ROE

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 Country level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis.

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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