

US 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) Forecasts 2022-2032

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Abstracts

US Ethylene Carbonate Market is valued approximately USD 105.108 million in 2023 and is anticipated to grow with a healthy growth rate of more than 7.56% over the forecast period 2024-2032. Ethylene Carbonate (EC) is a crystalline solid with no color or smell have becoming increasingly popular due to its high polarity and dielectric constant, which make it a crucial electrolyte and solvent in lithium-ion batteries. It improves battery longevity and performance by forming a stable, solid electrolyte interface. Moreover, polycarbonate plastics and other chemical compounds are synthesized using EC as a precursor and plasticizer. Its wide range of applications in many industrial processes is enhanced by its excellent solubility in water and other organic solvents. The rise in demand for energy storage solutions is a key trend for the US Ethylene Carbonate Market. The growth of renewable energy sources such as solar and wind power has spurred the need for efficient energy storage solutions. Ethylene Carbonate plays a vital role in enhancing battery performance and stability, making it essential for grid-scale energy storage projects and residential energy storage systems.

The rising adoption of electric vehicles (EVs) is a major driver for the market growth. Ethylene Carbonate plays a crucial role in lithium-ion batteries, which is essential for EV propulsion systems. In addition, the expansion of the Ethylene Carbonate Market is predominantly fueled by the rising demand for ethylene carbonate across various industrial applications and the growing emphasis on environmental sustainability. Moreover, the US's emphasis on renewable energy storage solutions, particularly from solar and wind power sources, drives demand for Ethylene Carbonate in high-

performance battery technologies. Technological advancements in battery chemistry and energy storage systems further propel market growth by enhancing the efficacy of Ethylene Carbonate-based solutions. Government support and policies, including incentives for EV adoption and clean energy initiatives, create a conducive environment for market expansion across the region. Moreover, the increasing demand in lithium-ion battery electrolyte and lubricant applications, as well as increase in use of bio-based plasticizers, which, in turn, augmenting the growth of the US Ethylene Carbonate Market. The growth of the US Ethylene Carbonate Market is anticipated to be hindered between 2024 and 2032 due to the fluctuation of raw material costs and the use of extremely hazardous raw materials in the production process.

Major market player included in this report are:

Huntsman International LLC

Empower Materials, Inc.

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

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 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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