

**Ethylene Carbonate Market by Application (Lithium Battery Electrolytes, Lubricants, Surface Coatings, Plasticizers), End-use Industry (Automotive, Industrial, Oil & Gas, Medical, Personal Care & Hygiene), and Region - Global Forecast to 2032**

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**Report description:**

The global ethylene carbonate market is expected to grow from USD 1.03 billion in 2025 to USD 2.14 billion by 2032, with a CAGR of 11.0% during the forecast period. This growth is mainly driven by the increasing demand for lithium-ion batteries in electric vehicles (EVs), consumer electronics, and renewable energy storage systems, where the compound acts as a key electrolyte solvent, improving ion conductivity, stability, and battery lifespan. The shift toward clean energy and transportation, supported by strict emission regulations and government incentives for EV adoption, significantly boosts consumption. Additionally, expanding applications in lubricants, coatings, and plastics-spurred by industrial growth-contribute to market expansion. The availability of cost-effective production in Asia and ongoing advancements in battery technology further propel worldwide demand for ethylene carbonate.

<https://www.marketsandmarkets.com/Images/ethylene-carbonate-market-Overview.webp>

"The solid segment, by form, is likely to account for the second-largest share during the forecast period".

The solid segment is projected to hold the second largest share of the ethylene carbonate market during the forecast period. Solid ethylene carbonate is highly valued for its stability, ease of handling, and high purity, making it suitable for various industrial uses. It is widely used as an intermediate in the production of lubricants, plasticizers, surface coatings, and specialized chemical formulations. In the lithium-ion battery industry, solid ethylene carbonate is often favored in high-performance electrolyte formulations that require precise control over purity and composition. Additionally, its role as a solvent and crosslinking agent in polymer processing, adhesives, and sealants supports steady demand from manufacturing sectors. While growth in this segment may be slower than in the liquid form, due to the latter's dominance in EV battery applications, the versatility, storage stability,

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and niche application suitability of the solid form ensure it maintains a significant market share throughout the forecast period.

"Lithium battery electrolytes, by application, account for the larger share of the ethylene carbonate market primarily due to growing demand for lithium-ion batteries."

Lithium battery electrolytes dominate the ethylene carbonate market, mainly driven by the rising demand for lithium-ion batteries across various industries. Ethylene carbonate is a vital high-permittivity solvent in these batteries, allowing efficient ion movement and creating stable solid electrolyte interphases (SEI) that boost battery performance, safety, and lifespan. The fastest-growing segment is fueled by the widespread adoption of electric vehicles (EVs), supported by decarbonization efforts, strict emission standards, and government incentives. Furthermore, the booming consumer electronics sector, including smartphones, laptops, tablets, and wearables, continues to increase the need for reliable, high-energy-density batteries. In addition, the growing use of renewable energy storage systems in power grids is broadening the application of lithium-ion batteries in stationary settings. As global investments in battery manufacturing-especially in the Asia-Pacific-continue to rise, the demand for ethylene carbonate in lithium battery electrolytes is expected to stay dominant throughout the forecast period.

Profile break-up of primary participants for the report:

-□By Company Type: Tier 1 - 55%, Tier 2 - 30%, and Tier 3 - 15%

-□By Designation: C-level - 21%, Director Level - 23%, and Others - 56%

-□By Region: North America - 45%, Europe - 27%, Asia Pacific - 15%, Middle East & Africa - 6%, and South America - 7%

Mitsubishi Chemical Group Corporation (Japan), Huntsman International LLC (US), TAOGOSEI CO., LTD. (Japan), Shinghua Advanced Material Group Co., Ltd. (China), and BASF (Germany) are among the leading companies in the ethylene carbonate market. These companies have pursued partnerships and expansion strategies to grow their market share and increase revenue.

Research Coverage:

The report defines, segments, and forecasts the ethylene carbonate market based on form, application, end-use industry, and region. It offers detailed information about the main factors affecting the market's growth, such as drivers, restraints, opportunities, and challenges. It strategically profiles ethylene carbonate manufacturers, thoroughly analyzes their market share and core competencies, and monitors and examines competitive developments they undertake in the market, such as expansions and partnerships.

Reasons to Buy the Report:

The report aims to assist market leaders and new entrants by offering the most accurate estimates of revenue figures for the ethylene carbonate market and its segments. It is also designed to help stakeholders better understand the market's competitive landscape, gain insights to strengthen their business positions, and develop effective go-to-market strategies. Additionally, it enables stakeholders to grasp the market's current trends and provides information on key market drivers, restraints, challenges, and opportunities.

The report provides insights into the following points:

- Analysis of key drivers (growing demand in lithium-ion battery electrolyte and lubricant applications, massive industrial growth in Asia Pacific and Africa), restraints (volatility of raw materials prices, use of highly toxic raw materials in production of ethylene carbonate), opportunities (emergence of lithium-sulfur batteries, increasing use of bio-based plasticizers), and challenges (fluctuating oil & gas prices) influencing the growth of the ethylene carbonate market

- Product Development/Innovation: Detailed insights into upcoming technologies, research & development activities in the ethylene carbonate market

- Market Development: Comprehensive information about lucrative markets - the report analyzes the ethylene carbonate market across varied regions

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- Market Diversification: Exhaustive information about new products, various types, untapped geographies, recent developments, and investments in the industrial market

- Competitive Assessment: A detailed analysis of market shares, growth strategies, and product offerings of leading companies such as Mitsubishi Chemical Group Corporation (Japan), Huntsman International LLC (U.S.), TOAGOSEI CO., LTD. (Japan), Shinghua Advanced Material Group Co., Ltd. (China), Dubi Chem (UAE), ZIBO DONGHAI INDUSTRIES CO., LTD. (China), Tokyo Chemical Industry Co., Ltd. (China), Empower Materials (U.S.), Merck KGaA (Germany), BASF (Germany), FUJIFILM Wako Pure Chemical Corporation (Japan), Vizag Chemical (India), Junsei Chemical Co., Ltd. (Japan), Shandong Lixing Advanced Material Co., Ltd. (China), Zhengzhou Meiya Chemical Products Co., Ltd. (China), Indorama Ventures Public Company Limited (Thailand), LOTTE Chemical Corporation (South Korea), Ichimaru Co., Ltd. (Japan), Asahi Kasei Corporation (Japan), Yingkou Hengyang New Energy Chemical Co., Ltd. (China), and others in the ethylene carbonate market.

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