

Dimethyl Carbonate Market by Application (Polycarbonate Synthesis, Battery Electrolyte, Solvents, Reagents), End-Use Industry (Plastics, Paints & Coatings, Pharmaceuticals), Grade (Industry, Pharmaceutical, Battery), and Region - Global Forecast to 2028

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Abstracts

The global dimethyl carbonate market will rise from USD 1.1 billion in 2023 to USD 1.9 billion by 2028 at a CAGR of 12.7% from 2023 to 2028. DMC serves as a crucial intermediate in the synthesis of pharmaceuticals, agrochemicals, and fine chemicals. Its versatility, high reactivity, and environmental friendliness make it an attractive choice for chemical synthesis processes. This factor is a critical driver fueling the growth of the dimethyl carbonate market.

“The battery electrolyte application segment is projected to grow at the highest CAGR during the forecast period.”

The battery electrolyte segment is anticipated to grow at the highest CAGR due to continuous demand from EV sector. Dimethyl carbonate, with its favorable properties such as high dielectric constant and low viscosity, is being increasingly incorporated into advanced electrolyte formulations to enhance battery efficiency and energy density, driving its dominance in the battery electrolyte segment of the dimethyl carbonate market.

“The battery grade segment is projected to grow at the highest CAGR during the forecast period.”

The battery grade segment is expected to grow at the highest CAGR during the forecast period. DMC plays a crucial role as a solvent in the production of battery electrolytes, which are essential for the efficient operation of lithium-ion batteries. As the demand for these applications continues to grow globally, the demand for battery-grade DMC increases proportionately.

“Asia Pacific is projected to hold the maximum market share of the dimethyl carbonate market during the forecast period.”

The Asia Pacific dimethyl carbonate industry has been studied for China, Japan, India, South Korea, Thailand, and the Rest of Asia Pacific. Technological advancements and manufacturing capabilities in the Asia-Pacific region contribute significantly to its dimethyl carbonate market dominance. The region hosts several key players in the dimethyl carbonate industry, with a focus on innovation and cost-effective solutions. China, in particular, has emerged as a global leader in dimethyl carbonate production. The scale of production and the ability to cater to domestic and international markets position the Asia-Pacific region as a major hub for dimethyl carbonate.

Breakdown of primary interviews for the report on the dimethyl carbonate market

By Company Type: Tier 1 – 45%, Tier 2 – 22%, and Tier 3 – 33%

By Designation: C-level Executives – 50%, Directors – 10%, and Others – 40%

By Region: North America – 17%, Europe – 33%, Asia Pacific – 17%, South America – 8%, Middle East & Africa- 25%

Some of the leading manufacturers of dimethyl carbonate profiled in this report include UBE Corporation (Japan), Merck KGaA (Germany), Thermo Fisher Scientific Inc. (US), Lotte Chemical (South Korea), Kowa Company Ltd. (Japan), Kishida Chemical Co. Ltd. (Japan), Tokyo Chemical Industry Co., Ltd. (Japan), Shandong Shida Shenghua Chemical Group Co., Ltd. (China), and Guangzhou Tinci Materials Technology Co., Ltd. (China).

Research Coverage

The report defines, segments, and projects the dimethyl carbonate market size based on grade, application, end-use industry, synthesis, and region. It strategically profiles

Dimethyl Carbonate Market by Application (Polycarbonate Synthesis, Battery Electrolyte, Solvents, Reagents), E...

the key players and comprehensively analyzes their market share and core competencies. It also tracks and analyzes competitive developments, such as new product development, agreements, acquisitions, and expansions they undertake in the market.

Reasons to Buy the Report:

The report is expected to help the market leaders/new entrants by providing them with the closest approximations of revenue numbers of the dimethyl carbonate market and its segments. This report is also expected to help stakeholders obtain an improved understanding of the market's competitive landscape, gain insights to improve the position of their businesses and develop suitable go-to-market strategies. It also enables stakeholders to understand the market's pulse and provides information on key market drivers, restraints, challenges, and opportunities.

The report provides insights on the following pointers:

Analysis of critical drivers (increasing demand for polycarbonate from various industries), restraints (use of highly toxic raw material for dimethyl carbonate synthesis), opportunities (dimethyl carbonate as an oxygenated fuel additive), and challenges (significant fluctuations in oil & gas prices) influencing the growth of the dimethyl carbonate market.

Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities in the dimethyl carbonate market.

Market Development: Comprehensive information about lucrative markets – the report analyses the dimethyl carbonate market across varied regions.

Market Diversification: Exhaustive information about new products and services, untapped geographies, recent developments, and investments in the dimethyl carbonate market.

Competitive Assessment: In-depth assessment of market shares, growth strategies, and service offerings of leading players like UBE Corporation (Japan), Merck KGaA (Germany), Thermo Fisher Scientific Inc. (US), Lotte Chemical (South Korea), Kowa Company Ltd. (Japan), Kishida Chemical Co. Ltd. (Japan), Tokyo Chemical Industry Co., Ltd. (Japan), Shandong Shida Shenghua Chemical Group Co., Ltd. (China), Guangzhou Tinci Materials

Technology Co., Ltd. (China), and among others in the dimethyl carbonate market.

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