

Dicyclopentadiene Market - Growth, Trends, Covid-19 Impact, and Forecasts (2023 - 2028)

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Report description:

The dicyclopentadiene market is expected to register a CAGR of more than 5.5% globally during the forecast period (2022-2027).

The market was negatively impacted by COVID-19 in 2021. The pandemic negatively impacted various end-user industries of dicyclopentadiene, thereby declining the consumption of DCPD-based chemicals. However, the market expected to retain its growth trajectory in the coming years.

Key Highlights

Dicyclopentadiene (DCPD) is the dimer of cyclopentadiene that is produced through the Diels-Alder Reaction. It is a colorless, flammable substance with a camphor-like odor. The growing consumption of batteries and increasing use of dicyclopentadiene as industrial catalysts and solvents have been driving the market growth.

However, the high cost associated with the production of dicyclopentadiene and the increasing risk from substitutes are likely to hinder the growth of the studied market.

The R&D activities to develop environment-friendly products, like bio-based ethylene propylene diene monomer (EPDM), owing to increasing concerns about the harmful effects of certain products on the environment, are likely to provide opportunities for the dicyclopentadiene market over the next five years.

The Asia-Pacific region dominated the market across the world, with consumption from countries like China, Japan, and India.

Dicyclopentadiene Market Trends

Unsaturated Polyester Resin (UPR) is Expected to Dominate the Market

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Unsaturated polyester resin's primary qualities include simple processing, fine mechanical properties, chemical-erosion resistance, and electricity performance, making it appropriate for a wide range of applications in agriculture, transportation, and other industrial uses, increasing the market demand for DCPD.

Unsaturated polyester resin is a key ingredient in manufacturing paints and coatings, adhesives, rubber, pesticides and insecticides, varnishes, modified wax, and other non-woven products due to its superior mechanical and functional properties. Moreover, unsaturated polyester resin is extensively used in the construction industry. The construction industry is witnessing growth in Asia, the Middle East, and North America due to increased investments in the residential and non-residential sectors to construct new infrastructure and eco-friendly buildings.

The UPR grade has the edge over the resin grade due to superior color properties and the smaller number of trimmers and co-dimers associated. Other than this, the high purity grade is also expected to witness promising growth due to rising consumption in the production of flavorants, fragrances, cyclic olefin copolymers, and antioxidants.

All the aforementioned factors are expected to drive the dicyclopentadiene market during the forecast period.

The Asia-Pacific Region is Expected to Dominate the Market

The Asia-Pacific region stands to be the largest market for dicyclopentadiene. Moreover, the growing demand from the building and construction and electrical and electronics segments in the region is also expected to contribute to the demand in the market studied during the forecast period.

China is in the midst of a construction mega-boom. The country has the largest buildings market in the region and in the world, making up 20% of all construction investments globally. The Chinese government is estimated to have an annual limit for new infrastructure bonds worth CNY 3.85 trillion in 2022, up from CNY 3.65 trillion in 2021.

According to OICA, around 4.39 million vehicles were produced in China in 2021. Furthermore, the Chinese government is promoting electric vehicles, which is positively influencing the market. In April 2020, the Ministry of Finance of the People's Republic of China issued a notice on ways to promote financial subsidies for new electric vehicles. It stated that new EVs purchased between January 1, 2021, and December 31, 2022, would be exempted from vehicle purchase tax.

In India, the electronics market witnessed a growth in demand, with market size increasing at a rapid growth rate. India's electronic goods exports fetched USD 11.11 billion in 2020-21. The growing electronics and appliances markets in India and China may push the market growth further in Asia-Pacific.

Hence, all such market trends are expected to drive the demand for dicyclopentadiene in the region during the forecast period.

Dicyclopentadiene Market Competitor Analysis

The dicyclopentadiene (DCPD) market is partially fragmented, with no top player capturing a significant share in the market studied globally. Some of the major companies are Braskem, Chevron Phillips Chemical Company, ENEOS Corporation, Dow, and Zeon Corporation, among others.

Additional Benefits:

The market estimate (ME) sheet in Excel format
3 months of analyst support

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