SCOTTS INTERNATIONAL

Bisphenol-A (Bpa) Market - Growth, Trends, Covid-19 Impact, and Forecasts (2023 - 2028)

Market Report | 2023-01-23 | 150 pages | Mordor Intelligence

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Report description:

The bisphenol A (BPA) market accounted for a volume of around 6,000 kiloton in 2021, and it is expected to register a CAGR of more than 6% during the forecast period (2022-2027).

The COVID-19 pandemic has affected the sales of paints and coatings, plastic products, and other bisphenol A-based products, as construction activities were halted. Therefore, the market was negatively impacted in 2020. However, the industry witnessed a steady recovery in 2021 and the production is similar to the pre-COVID-19 period.

Key Highlights
In the medium term, strong demand for polycarbonate and rising demand for epoxy resins from various end-user industries, such as paints and coatings, adhesives, electrical and electronics, packaging, and others, are likely to drive the market's growth.
However, regulations on the usage of BPA and environmental concerns of BPA are expected to majorly restrain the market's growth.
The Asia-Pacific region is expected to dominate the market and register the highest CAGR during the forecast period.

Bisphenol-A (BPA) Market Trends

Increasing Demand for Polycarbonate Resins

Among all other applications, polycarbonate resins provide the major market demand for BPA, with more than 70% of the global

share.
Polycarbonates are a high-performing thermoplastic widely used in building and construction applications. Polycarbonate sheets are used as a substitute for glass in a variety of skylight and window applications. They are also used as opaque cladding panels, barrel vaults, canopies, translucent walls, facades and signage, sports stadium roofs, louvers, and roof domes.
In August 2021, Zhangzhou Chimei Chemical announced its plan to establish a new 180-kilo metric ton per year polycarbonate plant in Zhangzhou, China.
In September 2021, Zhangzhou CHIMEI Chemical Co. announced plans to construct a new polycarbonate (PC) manufacturing facility based on Lummus' Versalis DPC technology. The factory is expected to have a capacity of 156,000 metric ton per year of dipropyl carbonate (DPC) and may begin production in Q4 2024.
Recently, the application of polycarbonate materials highly increased in greenhouses. The European countries, such as Germany, the Netherlands, Spain, and France, have larger areas for greenhouse cultivation.
In August 2021, SABIC launched certified circular polycarbonate (PC) resin and blends made from the upcycling of post-consumer mixed plastic. The certified circular polycarbonate can reduce carbon footprint by up to 23% compared to its incumbent.?
However, there are some regulations on the bisphenol A-based polycarbonate used in baby feeding bottles and sippy cups, which are expected to negatively affect the market for bisphenol. The US Food and Drug Administration (FDA) stopped authorizing the use of BPA in baby bottles and sippy cups. The European Union and Canada also banned bisphenol A's use in baby bottles. The Bureau of Indian Standards (BIS) phased out BPA use in baby feeding bottles.
Therefore, such factors are expected to affect the demand for bisphenol A in polycarbonate applications over the forecast period.

Asia-Pacific is Expected to Dominate the Market

The Asia-Pacific region is the largest producer and consumer of bisphenol-A in various end-user industries. Thus, it is expected to dominate the market.
China has various polycarbonate industrialization projects that may increase the polycarbonate and BPA production in the country, thereby increasing the demand for bisphenol A (BPA).
Projects include Wanhua Chemical Phase II (130,000 ton/year), Zhongsha (Tianjin) Petrochemical (260,000 ton/year), Pingmei Shenma Carbon Material Phase I (100,000 ton/year), Zhejiang Petrochemical (260,000 ton/year), and Hainan Huasheng New Materials (260,000 ton/year).
The demand for polycarbonate in India is likely to increase as the country may witness an investment of around USD 1.3 trillion in housing over the next seven years for the construction of 60 million new homes. In FY21, the infrastructure activities accounted for a 13% share of the total FDI inflows of USD 81.72 billion.
The total production value of the electronics industry in Japan was around JPY 9.96 trillion in 2020, 96.6% of the production value compared to the last year. However, till August 2021, the electronics industry production increased to JPY 7.193 trillion, 113.4% of the first eight months' value in 2020, thereby increasing the consumption of epoxy resins in the region.
Also, the increasing demand for unsaturated polyester resins from the automotive industry will provide considerable demand for BPA since the Asia-Pacific region is the largest automotive manufacturing hub, registering almost 60% production share of the world. According to OICA, in the first nine months of 2021, the total production of vehicles stood at 32.67 million units, an increase of 11% compared to the same period last year.
Such factors are significantly impacting the market. However, the consumption of BPA in the region is expected to increase in various end-user industries during the forecast period.

Bisphenol-A (BPA) Market Competitor Analysis

The bisphenol A (BPA) market is consolidated, with the top 10 players occupying over 70% of the overall market share in 2021.

Some of the key players (not in any particular order) in the market include Covestro AG, Chang Chun Group, Nan Ya Plastics Corporation, Kumho P&B Chemicals Inc., and SABIC.

Additional Benefits:

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

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