

1,3-Propanediol (PDO) Market By Applications (PTT [Polytrimethylene Terephthalate], Polyurethane, Cosmetic, Personal Care & Home Cleaning & other Applications) & Geography - Global Market Trends & Forecasts to 2019

Description: This report studies and forecasts the 1,3-PDO market to 2019. The market forecasts which have been provided in this report explain two scenarios. One considers only the announced capacities and plans by companies for future. While the other scenario also takes into account some production capacities which are unannounced yet. Second scenario gives optimistic picture of the market.

This report on 1,3-PDO market covers all major regions such as Asia-Pacific (APAC), Americas, and Europe, Middle East & Africa (EMEA). The report analyzes market trends and forecasts from 2012 to 2019. Market estimations have been provided in terms of consumption volume (tons) and market revenue (USD). The global as well as regional markets have been segmented by applications such as polytrimethylene terephthalate (PTT), polyurethane, cosmetics, personal care, home cleaning products, and others.

This report analyzes various manufacturing process and finds out the most cost effective method of production. It identifies market dynamics such as drivers, restraints, opportunities, burning issues, and winning imperatives. Major companies DuPont Tate & Lyle, and Metabolic Explorer have also been profiled in this report.

For this report, various secondary sources such as chemical magazines, encyclopedia, directories, technical handbooks, company annual reports, industry association publications, articles, trade websites, and databases have been referred to identify and collect information useful for this extensive commercial study of global 1,3-Propanediol market. The primary sources - experts from related industries and suppliers - have been interviewed to obtain and verify critical information as well as to assess the future prospects and market estimations.

The 1,3-PDO market which is currently dominated by a single manufacturer will see entry of many other players in the near future. At present, DuPont Tate & Lyle is the only bulk producer with manufacturing facility in U.S. Soon, France-based Metabolic Explorer with manufacturing facility in Malaysia and a Chinese company Huamei Biomaterial with plant in China itself will start producing 1,3-propanediol (PDO). There are some other China-based companies, currently producing at insignificantly small scale, likely to increase their capacities by 2019.

Industry trends are showing rise in the demand of bio-based products. 1,3-PDO which can be produced by bio-based feedstocks is offering tremendous market opportunities. Earlier 1,3-PDO was produced by petroleum feedstock but now it is being produced using renewable resources such as corn derived glucose and biodiesel by-product glycerin/glycerol. Bio-derived 1,3-PDO not only offers good market opportunities but also facilitates a cost effective method of production.

The 1,3-PDO market is estimated to be \$157 million in 2012 and will grow by 15.7% annually till 2014. 1,3-PDO has wide range of applications from carpet and textile to cosmetics, personal, and home care industry. It has potential to substitute propylene glycol, 1,4-butanediol (BDO), butylenes glycol, and nylon in number of applications.

Polytrimethylene terephthalate (PTT) is the largest application of 1,3-PDO. Majority of 1,3-PDO produced by DuPont Tate & Lyle is supplied to DuPont for PTT production. DuPont PTT product mainly targets U.S. carpet industry. Properties of PTT make it a good chemical for carpet and other textile applications. Companies which are entering into the 1,3-PDO market are also looking forward to integrate upward for PTT production.

In future, most of the companies will establish their manufacturing plants in China. Growing markets of Asia-Pacific region, low cost of raw material and labor are attracting companies toward China. By 2019, China will become the largest producer as well as exporter of 1,3-PDO.

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