Global Ethylidene Norbornene Market: Information by Grade (Industrial Grade and Aroma Grade), End-Use Industry (Automotive, Construction, Electrical & Electronics, Fragrance and others) and Region (Asia-Pacific, North America, Europe, Latin America and the Middle East & Africa) - Forecast till 2023

Market Overview

The Global Ethylidene Norbornene Market stood at over 70 kilotons in 2018, and the global market is expected to register a CAGR of over 4% during the forecast period.

Ethylidene norbornene (ENB) is a bicyclic monomer and intermediate, which is manufactured from vinyl norbornene. ENB is primarily used in the manufacturing of ethylene propylene diene monomer (EPDM) rubber, which is mainly used for non-tire synthetic rubber application. Some of the key properties of ENB monomer, which favor its use for wide application include fast curing, high tensile strength, and high wear & weather resistance. Hence, owing to its superior properties, it is widely used in diverse industry verticals such as automotive, electrical & electronics, and building and construction. The growth of the ENB market is driven by the increasing demand for EPDM in an array of end-use industries. Moreover, owing to its unique molecular structure, it is also used as a scent carrier in the fragrance and flavors industry.

The global ethylidene norbornene market is expected to witness significant growth during the forecast period. The long-term growth of the market is surfaced by socioeconomic trends such as increasing middle-class population, robust economic growth, changing demographics and rapid urbanization particularly in the developing countries such as India, China, South Africa, Brazil, and ASEAN countries. Rapid industrialization and increasing FDI in the developing economies are projected to boost the demand for synthetic rubber in various end-use industries, which in turn will drive the demand for ENB.

The rise in demand for EPDM in the production of products such as gaskets, seals, roof sheeting and others for end-use industries such as automotive and building and construction is expected to augment the demand for ENB. The automotive segment is expected to account for the largest market share during the forecast period followed by building and construction. Furthermore, excellent electrical insulation and excellent heat, weathering and aging resistance properties of ENB are further driving its demand in the electrical & electronics industry.

Although, ENB possess excellent properties enabling its application in diverse industry verticals; higher cost compared to alternatives such as epoxy resins is expected to hamper the growth of the market during the forecast period.

Competition Analysis

The global ethylene norbornene market is a highly consolidated market with leading two players accounting for the majority share in the production and supply of ENB. Furthermore, key market participants are investing for debottlenecking their production capacity to meet the growing global demand and establishing their foothold in developing countries such as China, India, and ASEAN countries.

Some of the key producers of ENB are JXTG Nippon Oil & Energy Corporation INEOS Oxide, Dow, Exxon Mobil Corporation and Uniroyal (Crompton). Some of the suppliers of ENB across the globe are Ningbo Titan Unichem Co., Ltd (China), CHEMOS GmbH & Co. KG (Germany), Crescent...
Chemical Company (US), Beyond Industries Limited (China), Simagchem Corp (China), Hangzhou Dayangchem Co. Ltd (China), abcr GmbH (Germany), and Ningbo Yonghua Resin Co., Ltd (China), among others.

Global Ethylidene Norbornene Market Share, by End-Use Industry, 2018 (%)

Source: MRFR Analysis

Regional Analysis

Asia-Pacific is estimated to account a significant share of the global ethylidene norbornene market in 2018 as a result of rapid industrialization and urbanization in developing economies such as India, China, and ASEAN countries. The surge in automotive production in the region and increasing infrastructural investments in the region are some of the key factors expected to boost the demand for ENB in the region during the forecast period. Moreover, favorable government policies in countries such as India and China to support domestic manufacturing industries are expected to contribute to the growth of the regional market during the forecast period. Furthermore, the leading market participants in the regional market are statically planning to strengthen their foothold in the developing countries particularly China and India to increase their market share.

The European region is expected to be the second-largest market in terms of value and is expected to witness moderate growth during the forecast period. The presence of many automotive manufacturers in the region is one of the key driving factors for the growth of the regional market. Moreover, increasing investment for the repair and refurbishment in the construction industry is expected to be another prime factor propelling the growth of the market during the forecast period. North America is estimated to be another prominent regional market for ENB. The recovery of the construction industry particularly in the US is expected to augment the market for EPDM construction components which is expected to drive the demand for ethylene norbornene during the forecast period. Furthermore, the surge in the sale of automobiles in the region is expected to boost the demand for ENB.

The market for ENB in Latin America is expected to grow substantially owing to the growing automotive industry and positive economic & political outlook. The Middle East & African market is expected to be low valued and witness moderate growth during the forecast period.

Segmentation

The global ethylidene norbornene market has been segmented by grade, end-use industry, and region.

Based on grade, the global market has been divided into industrial grade and aroma grade.

By end-use industry, the global market has been classified into automotive, construction, electrical & electronics, fragrance, and others.

The global market, by region, has been segmented into North America, Europe, Asia-Pacific, Latin America, and the Middle East & Africa.

Intended Audience

- ENB producers
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