Global Polyether Amine Market Research Report: Information by Type (Monoamine, Diamine, Triamine and others), Application (Polyurea, Composites, Fuel Additives, Epoxy Coatings, Adhesives and Sealants and others) and Region (Asia-Pacific, North America, Latin America, Europe and the Middle East & Africa) - Forecast till 2025

Market Overview

Polyetheramines (PEA) are curing agents produced by reacting ether and amine. The linkage containing ether, known as polyether, reacts with an amino group to produce polyetheramine. PEA is majorly used as curing agents for epoxy resin to produce epoxy composites and coatings. It exhibits superior physical properties such as high toughness, flexibility, and low viscosity. It has a moderate glass transition temperature range between 25°C and 100°C. Moreover, PEA possesses long pot life and thus finds applications in hot melt adhesives, sealants, and engineering composites. Also, it exhibits hydrophobicity or hydrophilicity depending on the end-product formed. It is commercially available in liquid form with odor similar to that of amines.

According to MRFR analysis, the global polyetheramine market is estimated to reach USD 1.12 billion by the end of 2025 at a robust CAGR of 9.46%. Increasing concerns for renewable sources of energy such as wind energy and growing consumption of polyether amines in the production of lightweight composites such as wind turbine blades is the prime factor driving the global market growth. Moreover, wind energy is gaining popularity on account of its high-power generation efficiency and lower carbon footprint. The epoxy resin market in wind turbines application was valued at USD 310 million in 2018. Additionally, composites are largely used in aerospace, automotive, construction, and household sectors which uses polyetheramine, that provides the critical balance between flexibility and strength. Moreover, superior hardness, protective cover, and excellent toughness properties of polyetheramine over the heat-cured powder coatings is increasing its penetration in various coating applications such as floors of industrial and commercial buildings; and coating of marine equipment. This further boosts the global market growth. For instance, epoxy resin market in paints and coatings application was valued at USD 4,120 million by the end of 2025. The easy availability of bio-based products for epoxy coatings and organic composites is likely to pose a major challenge to the producers of polyetheramine. Also, acid epoxy coatings used for flooring can lead to cracks as well as chipping, which further challenges the producers of polyetheramine.

Nevertheless, rising importance of polyetheramine-cured rubber-like epoxy asphalt composites is likely to create lucrative opportunities for the market players in the construction industry.

However, rising environmental concerns regarding the disposal of polyetheramine coupled with government regulations over health risks associated with epoxy coatings such as skin sensitization are the major factors restraining the global market growth.

Global Polyetheramine Market Share, by Application, 2018 (%)
Regional Analysis

The global polyetheramine market has been studied across five key regions, namely Asia-Pacific, North America, Latin America, Europe, and the Middle East & Africa.

Asia-Pacific accounted for the largest market share in 2018 and is projected to be the fastest-growing regional market during the review period. This is largely attributed to the growing construction of residential and commercial buildings; and expanding paints and coatings industries in the region. Also, the epoxy resin market in composites for Asia-Pacific is projected to register a robust CAGR of 6.04%. China is the major contributor in the region owing to the heavy investments in construction activities, which fuel the demand for adhesives & sealants and coatings. Additionally, the presence of a large number of key players such as ZIBO DEXIN LIANBANG CHEMICAL INDUSTRY CO., LTD, Yangzhou Chenhua New Material Co., Ltd, Yantai Dasteck Chemicals Co., Ltd, and WUXI ACRYL TECHNOLOGY CO., LTD propels the regional market growth. India, Japan, South Korea, and other South-East Asian countries such as Indonesia, Thailand, and Malaysia are other major countries contributing to the regional market growth. The European market held the second-largest market share in 2018 owing to the surging demand for lightweight composites in automotive and aerospace components in the region. Germany is the leading country in the region due to the augmenting demand for polyetheramine in adhesives, sealants, and food additives from the established automotive sector. Other key countries contributing to the regional market growth are Italy, France, the UK, and the Netherlands. The North American market accounted for a substantial market share in 2018 on account of the presence of major end-use industries such as paints and coatings and automotive. The US is the prominent country in the region on account of robust product innovation and surging demand for PEA in fuel additives. The Latin American market is estimated to register a healthy CAGR in the following years owing to the recovering economic condition and growing construction activities in the region. Brazil, Mexico, and Argentina are the key contributors in the region. The Middle East & African market is projected to grow at an encouraging CAGR during the forecast period due to expanding construction industries and high demand for polyetheramine in fuel additives applications. Saudi Arabia, UAE, and Turkey are the major regional contributors.

Segmentation Analysis

The global polyetheramine market has been segmented based on type, application, and region.

Based on type, the global polyetheramine market has been categorized into monoamine, diamine, triamine, and others.

Based on application, the global polyetheramine market has been classified into polyurea, composites, fuel additives, epoxy coatings, adhesives and sealants, and others.

By region, the global polyetheramine market has been studied for five key regions—Asia-Pacific, North America, Latin America, Europe, and the Middle East & Africa.

Key Players

Some of the key players operating in the Global Polyetheramine Market are Clariant (Switzerland), Huntsman International LLC (US), ZIBO DEXIN LIANBANG CHEMICAL INDUSTRY CO., LTD
Target Audience

- Polyetheramine manufacturers
- Epoxy resin manufacturers
- Raw material suppliers
- Distributors and suppliers of raw materials
- Potential investors
- Research institutes
- Government bodies

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