

Polyetheramine - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)

Market Report | 2025-04-28 | 120 pages | Mordor Intelligence

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Report description:

The Polyetheramine Market size is estimated at 352.47 kilotons in 2025, and is expected to reach 553.36 kilotons by 2030, at a CAGR of 9.44% during the forecast period (2025-2030).

The polyetheramine market was negatively impacted by the COVID-19 pandemic. However, the market recovered significantly in 2021. In 2022 and 2023, the market has almost returned to pre-pandemic levels, owing to rising consumption from various end-user industries such as automotive, construction, aerospace, and others.

Key Highlights

- The increasing investments in the adhesive and sealant industry and the growing demand for polyetheramine from composites are expected to drive market growth during the forecast period.
- On the other hand, environmental concerns and health hazards associated with polyetheramine are expected to hinder the growth of the market during the forecast period.
- Further, emerging opportunities in the lithium-ion battery industry are projected to create market opportunities.
- The Asia-Pacific region is the biggest market and is expected to grow the fastest over the next few years owing to the increasing consumption from countries such as China, India, and Japan.

Polyetheramine Market Trends

Increasing Demand from Composite Application

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- Polyetheramines are typical curing agents that comprise polyether and amine molecules and are used to enhance the properties of end products, such as flexibility, hydrophobicity, hydrophilicity, and toughness.
- Due to their unique properties, polyetheramines are widely used in composite applications as they provide a critical balance between strength and flexibility.
- Furthermore, polyether amine-based composites are designed to replace wood, metal, and concrete. Owing to their lightweight design, high dielectric strength, and high resistance to environmental degradation, they are useful in highly demanding applications such as aerospace, automotive parts, and wind turbine blades.
- The automotive industry significantly contributes to the composites segment. The Organisation Internationale des Constructeurs d'Automobiles (OICA) reported that global vehicle production in 2023 reached approximately 93.54 million, up from ~84.83 million in 2022, marking a growth rate of about 10.26 percent.
- China remains the dominant player in the global vehicle market, leading in both sales and manufacturing. Projections indicate domestic production will hit 35 million vehicles by 2025. Data from the China Association of Automobile Manufacturers shows that in 2023, China's car output surpassed 30.16 million units, reflecting an 11.6 percent year-on-year increase.
- The United States ranks as the second-largest automobile manufacturer worldwide. The nation boasts major automakers that not only produce but also export vehicles across the Americas, Europe, and the Asia-Pacific. The International Organization of Motor Vehicle Manufacturers (OICA) noted that U.S. vehicle production rose from 10,052,958 units in 2022 to 10,611,555 in 2023.
- According to the U.S. Department of Energy, wind power constituted 22% of the nation's new electricity capacity in 2022. Due to President Biden's Inflation Reduction Act, projections for land-based wind energy installations in 2026 have jumped nearly 60%, from 11,500 MW to 18,000 MW, enough to power an extra two million homes.
- Overall, all such factors are expected to boost the demand for polyetheramine in this application over the forecast period.

Asia-Pacific Region to Dominate the Market

- The Asia-Pacific region is expected to dominate the market for polyetheramine during the forecast period. In countries like China and India, owing to the increasing demand for wind energy and construction & building applications, the demand for polyetheramine has been increasing in the region.
- Polyetheramine is widely used as an additive in adhesives to adhere to two parts of blades and in composites used in wind turbine blades. A high demand for polyetheramine in wind energy applications will propel its market during the forecast period.
- China Electricity Council (CEC) forecasts that China will reach a wind power capacity of 530 gigawatts (GW) by 2024. With projects in Inner Mongolia, Xinjiang, Gansu, and coastal regions, China aims to add 371 GW by 2025, potentially expanding the global wind fleet by nearly 50%.
- In 2023, China's wind power capacity hit 440 GW, marking a 16.9% growth from the prior year, as reported by the CEC. This surge not only underscores the nation's leadership in wind energy but also amplifies the demand for polyetheramine in turbine blade manufacturing.
- In 2024, India is set to witness a 70% surge in the availability of affordable housing. According to Invest India, the construction sector is projected to attain a valuation of USD 1.4 trillion by 2025. With forecasts suggesting that over 30% of the population will be urban dwellers by 2030, there's a pressing need for 25 million more mid-end and affordable housing units. Recent reforms, such as the Real Estate Act, GST (Goods and Services Tax), and REITs (Real Estate Investment Trusts), aim to expedite approvals and strengthen the construction industry, driving market growth.
- The Finance Minister announced a significant 66% increase in the outlay for Pradhan Mantri Awas Yojana, raising it to over INR 7,90,000 million (~USD 21,810 million), marking a substantial boost for affordable housing in the 2023-2024 Budget.
- Asia is the largest automotive manufacturing hub in the world. The development of electric vehicles is expected to continue to gain momentum in the future, especially in China, where many government programs are promoting the move away from fossil fuels owing to various environmental concerns.

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- The automotive industry is increasingly focused on reducing vehicle weight to improve fuel efficiency and reduce emissions. Polyetheramines are used in composite materials that replace heavier traditional materials, thus supporting the trend toward lightweight automotive designs. With vehicle production on the rise in China, the demand for these composite applications is set to surge, further propelling the polyetheramine market.
- According to the International Trade Administration (ITA), China remains the world's biggest car market, both in terms of yearly sales and production. Local manufacturing is anticipated to hit 35 million vehicles by 2025. In 2023, China's car manufacturing sector achieved a significant milestone, setting new car production and sales records. In 2023, China's car production surpassed 30.16 million vehicles, marking an increase of 11.6% compared to the previous year, as reported by the China Association of Automobile Manufacturers (CAAM).
- The aforementioned factors, coupled with government support, are contributing to the increasing demand for polyetheramine during the forecast period.

Polyetheramine Industry Overview

The polyetheramine market is consolidated in nature. Some of the major players in the market (not in any particular order) include Huntsman International LLC, BASF SE, Clariant, Shandong Longhua New Materials Co., Ltd., and Zibo Zhengda Polyurethane Co., Ltd., among others.

Additional Benefits:

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

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