Adiponitrile Market Research Report— Global Forecast till 2023

Market Overview

Adiponitrile Market is expected to register a CAGR of ~2.5% during the forecast period to cross ~USD 790 million by 2023.

Adiponitrile is a colorless organic liquid compound having molecular formula C8H8N2 and is also known as hexamethylenediamine. Adiponitrile finds application in polymer nylon 66, conveyor belt, electro insulating elements, and carpet fibers owing to its significant mechanical strength.

The demand for adiponitrile in fiber and plastic applications is expected to gain traction during the forecast period. Moreover, the key factor expected to boost the growth of the global adiponitrile market is the increasing demand in the plastics and automotive industry. However, stringent governmental regulations due to environmental concerns related to the use of adiponitrile and fluctuating raw material prices are factors expected to restrict the growth of the global market.

The growth the end use industries such as textile and chemicals is expected to propel the global market growth over the forecast period. In addition, the increasing manufacturing of adipic acid that finds application in polyurethane including thermal insulation, footwear, and auto seating is expected to spur the product demand. Furthermore, the growth of the fiber & footwear industry is also expected to contribute to the global market growth during the forecast period.

With the increase in demand for adiponitrile in end use industries, the key manufacturers are planning to increase the production capacities of their existing plants. For instance, Invista Corporation is planning to increase the production capacity of adiponitrile by 40,000 tons in the coming future to meet the global demand in terms of value and volume. On the basis of incremental $ opportunity, the key manufacturers have strong opportunity to gain maximum share. The global adiponitrile market is highly consolidated and is dominated by organized players on account of huge investment in production capacity, investments in R&D, and strong supply chain network. However, there are some of the unorganized players that are gaining positive growth in the market as have long-term contracts with the end users.

Global Adiponitrile Market Share, by Application, 2017 (%)
Regional Analysis

The market in Asia-Pacific held the largest share of the global adiponitrile market in 2017 and is expected to register a higher CAGR during the forecast period. The region is expected to witness lucrative growth in the coming future owing to positive inclined growth of the end-use industries, especially from China and India. The increase in demand in the chemical industry in the region is expected to boost the regional market growth in the coming future. Additionally, the growth of other end-use industries, such as medical, personal care, and electronics is expected to add up to the growth in the global market.

The North American market is projected to grow substantially over the assessment period on account of the growth of end-use industries such as chemical, personal care automobile and textile in countries including the US and Canada. Moreover, higher consumption of polymer in the various applications is also likely to boost the demand for the product over the forecast period. The Latin American and the Middle & African markets are expected to witness moderate growth on account of increasing demand in the end use industries such as chemical and healthcare.

Segmentation

The global adiponitrile market has been segmented by product type, application, and region. Based on product type, the global market has been segmented into polyurethane; nylon 6,6; fiber; nylon 6,6 resin; adipate esters; and others. By application, the global market has been divided into chemical, medical, personal care, electronics, automobile, textile, and others.

The global adiponitrile market, by region, has been studied concerning five regions—North America, Europe, Asia-Pacific, Latin America, and the Middle East & Africa.

Key Players

Some of the key players operating in the global adiponitrile market are BASF (Germany), LG Chem (South Korea), Sinopec (Beijing), Ineos (Germany), DowDuPont (US), Evonik Industries (Germany), SABIC (Saudi Arabia), Royal Dutch Shell (The Netherland), and JSR Corporation (Japan), among others.

Intended Audience

- Adiponitrile Manufacturers
- Traders and Distributors of Adiponitrile
- Research and Development Institutes
- Potential Investors
- Raw Material Suppliers
- Nationalized Laboratories
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