

# Global Adipic Acid Market Analysis: Plant Capacity, Production, Operating Efficiency, Demand & Supply, End-Use, Sales Channel, Regional Demand, Foreign Trade, Company Share, 2015-2035

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## Abstracts

The global Adipic Acid market experienced a demand of approximately 2500 thousand tonnes in 2021 and is anticipated to grow at a CAGR of 3.74% during the forecast period until 2035. Adipic Acid is vastly employed as a feedstock to produce Nylon 6,6. With increased focus on various types and applications, the durability, quality, and lightweight properties of nylon 6,6, and upcoming innovative procedures for its use will be the key driving factors for the global market of Adipic Acid.

Adipic Acid is a dicarboxylic acid with chemical formula as  $(CH_2)_4(COOH)_2$ . It appears as a white crystalline powder. Industrial synthesis of Adipic Acid involves oxidation of cyclohexanone and cyclohexanol with nitric acid in a multistep pathway. As a byproduct of this reaction, dinitrogen oxide ( $N_2O$ ), a greenhouse gas, is produced. Adipic acid is a vital raw chemical for a broad range of applications in the textile and plastics industries. Although, application of adipic acid as a comonomer along with hexamethylenediamine to produce nylon 6-6 is the largest application of adipic acid. Nylon 66 is utilized to produce apparel, leisure equipment, consumer items, electronics, household goods, and other items. Furthermore, other applications of Adipic Acid include Polyurethanes, Adipic Esters, Plasticizers and Food additives. Additionally, Adipic Acid is employed as a difunctional cross - linking component in certain water-based acrylic emulsion paints and coatings.

The growing demand for nylon 6,6 for production of commodities is driving the global Adipic Acid market. The automotive sector predominantly uses nylon 66, which is made from adipic acid, for its exceptional mechanical, thermal-resistance, and lightweight

qualities. In 2021, the Automotive Industry The constant urge to develop light-weight vehicles by replacing conventional metal parts in automotives with their light-weight components to reduce carbon footprint is driving the demand of Nylon 6,6. Nylon 6,6 is used to make a variety of vehicle components, including air intake pipes, engine coverings, rocker valve encompass, airbag containers, and structural individual pieces of glass-reinforced polymers. The rise in demand for lightweight engineering polymers along with paints and coating will probably fuel the market's expansion for Adipic Acid. Thus, these applications are anticipated to swell up the global Adipic Acid demand in the forecast period to reach approximately 4000 thousand tonnes by 2035.

Based on region, the Asia Pacific dominates the Adipic Acid market as a consumer. In 2021, this region consumed about 40% of the market with major consumption from countries like India, China, and Japan. The consumption of Adipic Acid as a raw material for production of nylon 6,6, which is utilized for making light-weight vehicles coupled with its application to produce plastics is anticipated to swell the Adipic Acid demand by 2035. Europe is the second largest consumer of Adipic Acid. Owing to the manufacture of electric vehicles is anticipated to further push the demand of Adipic Acid. Based on production, Asia Pacific is also taking the lead among all the other areas, with China being the top producer. In 2021, China produced approximately 50% of the global Adipic Acid.

Based on the end-user industry, the global Adipic Acid market is segregated into Automotive, Electrical & Electronics, Industrial Application, Building & Construction, and Others. The Automotive Industry is the leading consumer of the Adipic Acid. Furthermore, The Electrical & Electronics industry is also a prominent consumer of the global Adipic Acid market.

Major players in the production of Global Adipic Acid are BASF SE, Chongqing Huaфон Chemical Co., Ltd., Shandong Haili Chemical Industry Co., Ltd, INVISTA, Shandong Hualu Hengsheng Chemical Co., Ltd., Shenma Industrial Co., Ltd., China National Petroleum Corporation, Zhejiang Shuyang Chemical Co.,Ltd, Tangshan Zhonghao Chemical Co., Ltd., LANXESS, and Radici Partecipazioni SpA.

Years considered for this report:

Historical Period: 2015- 2021

Base Year: 2021

Estimated Year: 2022

Forecast Period: 2023-2035

#### Objective of the Study:

To assess the demand-supply scenario of Adipic Acid which covers production, demand and supply of Adipic Acid market in the globe.

To analyze and forecast the market size of Adipic Acid

To classify and forecast Global Adipic Acid market based on end-use and regional distribution.

To examine competitive developments such as expansions, mergers & acquisitions, etc., of Adipic Acid market in the globe.

To extract data for Global Adipic Acid market, primary research surveys were conducted with Adipic Acid manufacturers, suppliers, distributors, wholesalers and Traders. While interviewing, the respondents were also inquired about their competitors. Through this technique, ChemAnalyst was able to include manufacturers that could not be identified due to the limitations of secondary research. Moreover, ChemAnalyst analyzed various segments and projected a positive outlook for Global Adipic Acid market over the coming years.

ChemAnalyst calculated Adipic Acid demand in the globe by analyzing the historical data and demand forecast which was carried out considering the production of raw material to produce Adipic Acid. ChemAnalyst sourced these values from industry experts and company representatives and externally validated through analyzing historical sales data of respective manufacturers to arrive at the overall market size. Various secondary sources such as company websites, association reports, annual reports, etc., were also studied by ChemAnalyst.

#### Key Target Audience:

Adipic Acid manufacturers and other stakeholders

Organizations, forums and alliances related to Adipic Acid distribution

Government bodies such as regulating authorities and policy makers

Market research organizations and consulting companies

The study is useful in providing answers to several critical questions that are important for industry stakeholders such as Adipic Acid manufacturers, customers and policy makers. The study would also help them to target the growing segments over the coming years (next two to five years), thereby aiding the stakeholders in taking investment decisions and facilitating their expansion.

Report Scope:

In this report, Global Adipic Acid market has been segmented into following categories, in addition to the industry trends which have also been detailed below:

Market, by End-use: Automotive, Electrical & Electronics, Industrial Application, Building & Construction, and Others

Market, by Sales Channel: Direct Sale and Indirect Sale

Market, by Region: North America, Europe, Asia Pacific, Middle East and Africa, and South America.

Available Customizations:

With the given market data, ChemAnalyst offers customizations according to a company's specific needs.

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### **1. CAPACITY BY COMPANY**

On our online platform, you can stay up to date with essential manufacturers and their current and future operation capacity on a practically real-time basis for Adipic Acid.

### **2. CAPACITY BY LOCATION**

To better understand the regional supply of Adipic Acid by analyzing its manufacturers' location-based capacity.

### **3. PRODUCTION BY COMPANY**

Study the historical annual production of Adipic Acid by the leading players and forecast how it will grow in the coming years.

### **4. DEMAND BY END- USE**

Discover which end-user industry (Automotive, Electrical & Electronics, Industrial Application, Building & Construction, and Others) are creating a market and the forecast for the growth of the Adipic Acid market.

### **5. DEMAND BY REGION**

Analyzing the change in demand of Adipic Acid in different regions, i.e., North America, Europe, Asia Pacific, Middle East and Africa, and South America, that can direct you in mapping the regional demand.

### **6. DEMAND BY SALES CHANNEL (DIRECT AND INDIRECT)**

Multiple channels are used to sell Adipic Acid. Our sales channel will help in analyzing whether distributors and dealers or direct sales make up most of the industry's sales.

### **7. DEMAND-SUPPLY GAP**

Determine the supply-demand gap to gain information about the trade surplus or deficiency of Adipic Acid.

## **8. COMPANY SHARE**

Figure out what proportion of the market share of Adipic Acid is currently held by leading players across the globe.

## **9. COUNTRY-WISE EXPORT**

Get details about quantity of Adipic Acid exported by major countries.

## **10. COUNTRY-WISE IMPORT**

Get details about quantity of Adipic Acid imported by major countries.

## **11. PRICING ANALYSIS & FORECAST**

Analyze historical prices since 2015 & Forecast on three months rolling period for next 12 months.

Years considered for this report:

Historical Period: 2015- 2022

Base Year: 2022

Estimated Year: 2023

Forecast Period: 2024-2032

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