

Global Aniline Market Outlook to 2027

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Abstracts

Aniline($C_6H_5NH_2$), also known as phenylamine or aminobenzene, is an organic chemical compound that includes a phenyl group bonded to an amino group, it is a flammable liquid that is slightly soluble in water and slowly resinifies and oxidizes in air, and it is oily and colorless in appearance with an unpleasant odor. According to BlueQuark Research & Consulting, the global Aniline market is expected to witness a significant growth rate during the forecasted period. Factors such as the high demand for Aniline derivatives such as Methylene diphenyl diisocyanate (MDI) can manufacture various products such as adhesives, automotive interiors, furnishing, consumer goods, etc., the significant drivers for the Aniline market in the forecasted period. Further, the increasing applications in the manufacturing of rubber processing chemicals and pharmaceuticals are another vital driver for the Aniline market in the forecasted period. Furthermore, increasing automotive sales across the globe, along with the high adoption of aniline by automotive manufacturers to produce methylene diphenyl diisocyanate foams, is further expected to boom the growth of the target market. There is a growth in demand for MDI in the coatings industry and adhesives & sealants. However, the fluctuations in the cost of raw materials and the availability of active ingredients are one major restraint for the Aniline market.

Aniline finds application in manufacturing consumer goods, including textile fibers, footwear, furniture, adhesives, apparel, coatings, and sealants, it is also worn in the packaging industry to package sensitive electrical, electronics, medical items, and dyes used for package printing.

The building and construction industry is possible to dominate the market due to its growing demand. Aniline-based methylene diphenyl diisocyanate (MDI) is pivotal for building and construction, and it is an important chemical used in producing rigid polyurethanes used as an insulating material. The insulating quality of rigid polyurethane foam (PU) is high, enabling builders to make walls thinner, keeping the

insulating properties intact and roof profiles lower, making more space for the inhabitants. The heating and cooling price in an average American home amounts to 56% of the energy utilized (according to the US Department of Energy). Still, rigid polyurethane foam can save money while maintaining uniform temperature and reducing noise levels. Rigid polyurethane foam has a robust insulating property, allowing builders to create thinner walls while maintaining insulating properties—and lower roof profiles to provide residents more room. Traditional residential property prices have risen beyond the grasp of the working-class residents across the area. As a result, governments in many nations have developed various legislative approaches to open up the market for large-scale affordable housing buildings. The non-residential building segment, where methylene diphenyl diisocyanate (MDI) is most commonly used, is rising, as players want to relocate their production operations to the Asia-Pacific area, where new manufacturing units are being built. These reasons raise construction production, positively impacting the aniline market throughout the forecast period.

Given the robust and growing construction and automation industry demand, the Asia Pacific region is the global leader in this market. China is one of the world's largest producers and consumers of polyurethane products. The construction industry in India has been growing at a significant rate. The Government of India (GOI) plans to build 20 million homes by 31 March 2022 under the 'housing for all' scheme. The demand for aniline is also catalyzed by its increasing applications in manufacturing pharmaceuticals and rubber processing chemicals. Aniline is an intermediate in explosives, specialty organic fibers, optical whiteners, etc. Optical whiteners prepared from aniline can be used in cotton, detergent, linen, viscose, and paper to get excellent whitening and brightening effects at a low cost. Aniline is also used to manufacture dyes and pigments as a precursor to indigo, the blue of blue jeans, and also as ink for tattoos. Other aniline dyes followed, such as fuchsine, safranine, and induline. In medicine, drugs prepared from aniline are paracetamol. A minor use is found in pesticides, herbicides, and other agrochemicals. Some applications include textile and photographic chemicals (hydroquinone), amino resin, explosives, varnishes, perfumes, shoe blacks, petroleum refining chemicals, diphenylamine, and phenolics. Automobile inventors and manufacturers widely accept PU foams, and because they allow producing seating that can be easily assembled, disassembled, and recycled with high-performance specifications over a wide range of firmness with lightweight, an increase in the automotive sector will boost the demand for methylene diphenyl diisocyanate, which is expected to contribute to the need for aniline. Due to the rapid urbanization and rising usage of aniline as an anti-knock additive and solvent in the improvement of reformat gasoline, the aniline market is expected to witness substantial growth in the coming years. These features are predicted to drive the demand for aniline over the forecast

period in the Asia-Pacific region.

The global Aniline market is highly fragmented. The major players in the worldwide Aniline market are BASF SE, Covestro AG, Huntsman International LLC, Wanhua Chemical Group Co., Ltd., and Jilin Connell Chemical Industry Co. Ltd.

Lanxess(a specialty chemicals company) has recently evolved a new range of methylene diphenyl diisocyanate (MDI) polyether prepolymers made from renewable and bio-based raw materials capable of replacing fossil-based polyether prepolymers that are used to manufacture PU elastomers. These new prepolymers are marketed under the brand name Adiprene Green. It will allow the PU processors to produce products (like roll covers, press sleeves, non-pneumatic tires, etc.) with a reduced Carbon dioxide (CO₂) footprint.

Global Aniline Marketreport provides deep insight into the current and future state of the Aniline market across various regions. The study comprehensively analyzes the Aniline market by segmenting based on end-user industry (agriculture, automotive, building, and construction, consumer goods, packaging & rubber), application (agricultural chemicals, dye, and pigment, Methylene Diphenyl Diisocyanate (MDI), rubber-processing chemicals, specialty fiber & other applications), and Geography (Asia-Pacific, North America, Europe, South America, and Middle-East and Africa). The report examines the market drivers and restraints and the impact of Covid-19 on market growth. The study covers & includes emerging market trends, developments, opportunities, and challenges in the industry. This report also covers extensively researched competitive landscape sections with profiles of prominent companies, including their market shares and projects.

Contents

1. Executive Summary

2. Research Scope and Methodology

- 2.1 Aim & Objective of the study
- 2.2 Market Definition
- 2.3 Study Information
- 2.4 General Study Assumptions
- 2.5 Research Phases

3. Market Analysis

- 3.1 Introduction
- 3.2 Market Dynamics
 - 3.2.1 Drivers
 - 3.2.2 Restraints
- 3.3 Market Trends & Developments
- 3.4 Market Opportunities
- 3.5 Feedstock Analysis
- 3.6 Trade Scenario
- 3.7 Regulatory Policies
- 3.8 Analysis of Covid-19 Impact

4. Industry Analysis

- 4.1 Supply Chain Analysis
- 4.2 Porter's Five Forces Analysis
 - 4.2.1 Competition in the Industry
 - 4.2.2 Potential of New Entrants into the Industry
 - 4.2.3 Bargaining Power of Suppliers
 - 4.2.4 Bargaining Power of Consumers
 - 4.2.5 Threat of substitute products

5. Market Segmentation & Forecast

- 5.1 By end-user industry
 - 5.1.1 Agriculture
 - 5.1.2 Automotive
 - 5.1.3 Building and Construction
 - 5.1.4 Consumer Goods

- 5.1.5 Packaging
- 5.1.6 Rubber
- 5.1.7 Others
- 5.2 By Application
 - 5.2.1 Agricultural Chemicals
 - 5.2.2 Dye and Pigment
 - 5.2.3 Methylene Diphenyl Diisocyanate (MDI)
 - 5.2.4 Rubber-processing Chemicals
 - 5.2.5 Specialty Fiber
 - 5.2.6 Other Applications

Regional Market Analysis

- 6.1 North America
 - 6.1.1 United States
 - 6.1.2 Canada
 - 6.1.3 Mexico
- 6.2 Europe
 - 6.2.1 Germany
 - 6.2.2 United Kingdom
 - 6.2.3 Italy
 - 6.2.4 France
 - 6.2.5 Spain
 - 6.2.6 Rest of Europe
- 6.3 Asia-Pacific
 - 6.3.1 China
 - 6.3.2 India
 - 6.3.3 Japan
 - 6.3.4 South Korea
 - 6.3.5 Rest of Asia-Pacific
- 6.4 South America
 - 6.4.1 Brazil
 - 6.4.2 Argentina
 - 6.4.3 Rest of South America
- 6.5 Middle East & Africa
 - 6.5.1 South Africa
 - 6.5.2 Saudi Arabia
 - 6.5.3 Rest of Middle East & Africa

Company Profiles

SE
estro AG
y Chemical Company
arat Narmada Valley Fertilizers & Chemicals
tsman International LLC
hua Chemical Group Co.,Ltd.
bh Corporation
hitomo Chemical Co. Ltd
Chemicals Holdings Ltd
NDALTI
n Connell Chemical Industry Co. Ltd
rsodChem MCHZ
st Chemical Corporation
dustan Organic Chemicals Limited
subishi Chemical
troChina Co. Ltd.
BIC
e Chemours Company
ow Chemical Group
opoc Nanjing Chemical Industrial Corporation
ompanies is not exhaustive

Competitive Landscape

of Notable Players in the Market
A, JV, and Agreements
ket Share Analysis
ategies of Key Players

Conclusions and Recommendations

List Of Tables

LIST OF TABLES

Global Aniline Market, in USD Million, 2017-2027
Agriculture– Aniline Market, in USD Million, 2017-2027
Automotive – Aniline Market, in USD Million, 2017-2027
Building and Construction – Aniline Market, in USD Million, 2017-2027
Consumer Goods – Aniline Market, in USD Million, 2017-2027
Packaging – Aniline Market, in USD Million, 2017-2027
Rubber – Aniline Market, in USD Million, 2017-2027
Agricultural Chemicals – Aniline Market, in USD Million, 2017-2027
Dye and Pigment – Aniline Market, in USD Million, 2017-2027
Methylene Diphenyl Diisocyanate (MDI) – Aniline Market, in USD Million, 2017-2027
Rubber-processing Chemicals – Aniline Market, in USD Million, 2017-2027
Specialty Fiber – Aniline Market, in USD Million, 2017-2027
Other Applications – Aniline Market, in USD Million, 2017-2027
North America - Aniline Market, in USD Million, 2017-2027
Europe – Aniline Market, in USD Million, 2017-2027
Asia-Pacific - Aniline Market, in USD Million, 2017-2027
South America - Aniline Market, in USD Million, 2017-2027
Middle East & Africa - Aniline Market, in USD Million, 2017-2027
Aniline - Market Share of Key Companies in 2019
Other Supporting Charts
Construction Industry Growth Data, 2013-2019
Pharmaceutical Industry Growth Data, 2013-2019
Packaging Industry Growth Data, 2013-2019
Automotive Industry Growth Data, 2013-2019

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