

Adsorbents Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

<https://marketpublishers.com/r/ACE80DF75A3DEN.html>

Date: November 2023

Pages: 141

Price: US\$ 2,499.00 (Single User License)

ID: ACE80DF75A3DEN

Abstracts

The global adsorbents market size reached US\$ 4.6 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 6.4 Billion by 2028, exhibiting a growth rate (CAGR) of 5.7% during 2022-2028.

Adsorbents refer to a chemical compound used for filtering atoms, ions and molecules in industrial purification processes. It consists of small uniform-sized pores, pellets, rods and moldings that restrict the passage of large molecules from dissolved solids, liquids and gases. Some of the commonly used adsorbents include activated carbon, molecular sieve, clay, silica gel and activated alumina, which exhibit hydrophilic and nonpolar properties, along with high abrasion resistance and surface capacity for absorption. As a result, they find extensive applications across various industries, including petrochemical, pharmaceutical, chemical and oil and gas.

Significant growth in the chemical industry across the globe represents one of the key factors creating a positive outlook for the market. Furthermore, the widespread utilization of adsorbents for oil and gas refining, petroleum refining, air separation and wastewater treatment, are providing a boost to the market growth. Molecular sieves and activated carbon are also extensively used for the purification of hydrocarbons and industrial gases and removing trace contaminants, such as hydrogen sulfide, carbon disulfide, hydrochloric acid, arsine and phosphine, from the hydrocarbon streams. In line with this, the increasing utilization of mineral adsorbents for the inhibition of mycotoxins in animal feeds is also contributing to the market growth. Additionally, various product innovations, such as the development of nano- and polymeric adsorbents for efficient and selective wastewater management, are acting as other growth-inducing factors. Chemically modified solid adsorbents are widely used for capturing carbon dioxide and preventing its accumulation in the atmospheric air. Other factors, including rapid industrialization, especially in developing economies, along with the implementation of favorable government policies promoting efficient purification systems, are anticipated

to drive the market further.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each segment of the global adsorbents market report, along with forecasts at the global, regional and country levels from 2023-2028. Our report has categorized the market based on type and application.

Breakup by Type:

- Molecular Sieves
- Activated Carbon
- Silica Gel
- Activated Alumina
- Clay
- Others

Breakup by Application:

- Petroleum Refining
- Gas Refining
- Chemicals
- Water Treatment
- Air Separation and Dying
- Packaging
- Others

Breakup by Region:

- North America
 - United States
 - Canada
- Asia-Pacific
 - China
 - Japan
 - India
 - South Korea
 - Australia
 - Indonesia
 - Others
- Europe
 - Germany
 - France
 - United Kingdom
 - Italy
 - Spain
 - Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Arkema S.A., Axens S.A., BASF SE, Cabot Corporation, Calgon Carbon Corporation, Clariant AG, Graver Technologies LLC (Marmon Industrial LLC), PQ Corporation (CPQ Midco I Corporation) and W. R. Grace and Company.

Key Questions Answered in This Report:

How has the global adsorbents market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the global adsorbents market?

What are the key regional markets?

What is the breakup of the market based on the type?

What is the breakup of the market based on the application?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global adsorbents market and who are the key players?

What is the degree of competition in the industry?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL ADSORBENTS MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

6 MARKET BREAKUP BY TYPE

- 6.1 Molecular Sieves
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
- 6.2 Activated Carbon
 - 6.2.1 Market Trends

- 6.2.2 Market Forecast
- 6.3 Silica Gel
 - 6.3.1 Market Trends
 - 6.3.2 Market Forecast
- 6.4 Activated Alumina
 - 6.4.1 Market Trends
 - 6.4.2 Market Forecast
- 6.5 Clay
 - 6.5.1 Market Trends
 - 6.5.2 Market Forecast
- 6.6 Others
 - 6.6.1 Market Trends
 - 6.6.2 Market Forecast

7 MARKET BREAKUP BY APPLICATION

- 7.1 Petroleum Refining
 - 7.1.1 Market Trends
 - 7.1.2 Market Forecast
- 7.2 Gas Refining
 - 7.2.1 Market Trends
 - 7.2.2 Market Forecast
- 7.3 Chemicals
 - 7.3.1 Market Trends
 - 7.3.2 Market Forecast
- 7.4 Water Treatment
 - 7.4.1 Market Trends
 - 7.4.2 Market Forecast
- 7.5 Air Separation and Dying
 - 7.5.1 Market Trends
 - 7.5.2 Market Forecast
- 7.6 Packaging
 - 7.6.1 Market Trends
 - 7.6.2 Market Forecast
- 7.7 Others
 - 7.7.1 Market Trends
 - 7.7.2 Market Forecast

8 MARKET BREAKUP BY REGION

8.1 North America

8.1.1 United States

8.1.1.1 Market Trends

8.1.1.2 Market Forecast

8.1.2 Canada

8.1.2.1 Market Trends

8.1.2.2 Market Forecast

8.2 Asia-Pacific

8.2.1 China

8.2.1.1 Market Trends

8.2.1.2 Market Forecast

8.2.2 Japan

8.2.2.1 Market Trends

8.2.2.2 Market Forecast

8.2.3 India

8.2.3.1 Market Trends

8.2.3.2 Market Forecast

8.2.4 South Korea

8.2.4.1 Market Trends

8.2.4.2 Market Forecast

8.2.5 Australia

8.2.5.1 Market Trends

8.2.5.2 Market Forecast

8.2.6 Indonesia

8.2.6.1 Market Trends

8.2.6.2 Market Forecast

8.2.7 Others

8.2.7.1 Market Trends

8.2.7.2 Market Forecast

8.3 Europe

8.3.1 Germany

8.3.1.1 Market Trends

8.3.1.2 Market Forecast

8.3.2 France

8.3.2.1 Market Trends

8.3.2.2 Market Forecast

8.3.3 United Kingdom

8.3.3.1 Market Trends

- 8.3.3.2 Market Forecast
- 8.3.4 Italy
 - 8.3.4.1 Market Trends
 - 8.3.4.2 Market Forecast
- 8.3.5 Spain
 - 8.3.5.1 Market Trends
 - 8.3.5.2 Market Forecast
- 8.3.6 Russia
 - 8.3.6.1 Market Trends
 - 8.3.6.2 Market Forecast
- 8.3.7 Others
 - 8.3.7.1 Market Trends
 - 8.3.7.2 Market Forecast
- 8.4 Latin America
 - 8.4.1 Brazil
 - 8.4.1.1 Market Trends
 - 8.4.1.2 Market Forecast
 - 8.4.2 Mexico
 - 8.4.2.1 Market Trends
 - 8.4.2.2 Market Forecast
 - 8.4.3 Others
 - 8.4.3.1 Market Trends
 - 8.4.3.2 Market Forecast
- 8.5 Middle East and Africa
 - 8.5.1 Market Trends
 - 8.5.2 Market Breakup by Country
 - 8.5.3 Market Forecast

9 SWOT ANALYSIS

- 9.1 Overview
- 9.2 Strengths
- 9.3 Weaknesses
- 9.4 Opportunities
- 9.5 Threats

10 VALUE CHAIN ANALYSIS

11 PORTERS FIVE FORCES ANALYSIS

- 11.1 Overview
- 11.2 Bargaining Power of Buyers
- 11.3 Bargaining Power of Suppliers
- 11.4 Degree of Competition
- 11.5 Threat of New Entrants
- 11.6 Threat of Substitutes

12 PRICE ANALYSIS

13 COMPETITIVE LANDSCAPE

- 13.1 Market Structure
- 13.2 Key Players
- 13.3 Profiles of Key Players
 - 13.3.1 Arkema S.A.
 - 13.3.1.1 Company Overview
 - 13.3.1.2 Product Portfolio
 - 13.3.1.3 Financials
 - 13.3.2 Axens S.A.
 - 13.3.2.1 Company Overview
 - 13.3.2.2 Product Portfolio
 - 13.3.2.3 SWOT Analysis
 - 13.3.3 BASF SE
 - 13.3.3.1 Company Overview
 - 13.3.3.2 Product Portfolio
 - 13.3.3.3 Financials
 - 13.3.3.4 SWOT Analysis
 - 13.3.4 Cabot Corporation
 - 13.3.4.1 Company Overview
 - 13.3.4.2 Product Portfolio
 - 13.3.4.3 Financials
 - 13.3.4.4 SWOT Analysis
 - 13.3.5 Calgon Carbon Corporation
 - 13.3.5.1 Company Overview
 - 13.3.5.2 Product Portfolio
 - 13.3.6 Clariant AG

- 13.3.6.1 Company Overview
- 13.3.6.2 Product Portfolio
- 13.3.6.3 Financials
- 13.3.7 Graver Technologies LLC (Marmon Industrial LLC)
 - 13.3.7.1 Company Overview
 - 13.3.7.2 Product Portfolio
- 13.3.8 PQ Corporation (CPQ Midco I Corporation)
 - 13.3.8.1 Company Overview
 - 13.3.8.2 Product Portfolio
- 13.3.9 W. R. Grace and Company
 - 13.3.9.1 Company Overview
 - 13.3.9.2 Product Portfolio

List Of Tables

LIST OF TABLES

Table 1: Global: Adsorbents Market: Key Industry Highlights, 2022 and 2028

Table 2: Global: Adsorbents Market Forecast: Breakup by Type (in Million US\$), 2023-2028

Table 3: Global: Adsorbents Market Forecast: Breakup by Application (in Million US\$), 2023-2028

Table 4: Global: Adsorbents Market Forecast: Breakup by Region (in Million US\$), 2023-2028

Table 5: Global: Adsorbents Market: Competitive Structure

Table 6: Global: Adsorbents Market: Key Players

List Of Figures

LIST OF FIGURES

Figure 1: Global: Adsorbents Market: Major Drivers and Challenges

Figure 2: Global: Adsorbents Market: Sales Value (in Billion US\$), 2017-2022

Figure 3: Global: Adsorbents Market Forecast: Sales Value (in Billion US\$), 2023-2028

Figure 4: Global: Adsorbents Market: Breakup by Type (in %), 2022

Figure 5: Global: Adsorbents Market: Breakup by Application (in %), 2022

Figure 6: Global: Adsorbents Market: Breakup by Region (in %), 2022

Figure 7: Global: Adsorbents (Molecular Sieves) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 8: Global: Adsorbents (Molecular Sieves) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 9: Global: Adsorbents (Activated Carbon) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 10: Global: Adsorbents (Activated Carbon) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 11: Global: Adsorbents (Silica Gel) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 12: Global: Adsorbents (Silica Gel) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 13: Global: Adsorbents (Activated Alumina) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 14: Global: Adsorbents (Activated Alumina) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 15: Global: Adsorbents (Clay) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 16: Global: Adsorbents (Clay) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 17: Global: Adsorbents (Others) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 18: Global: Adsorbents (Others) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 19: Global: Adsorbents (Petroleum Refining) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 20: Global: Adsorbents (Petroleum Refining) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 21: Global: Adsorbents (Gas Refining) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 22: Global: Adsorbents (Gas Refining) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 23: Global: Adsorbents (Chemicals) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 24: Global: Adsorbents (Chemicals) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 25: Global: Adsorbents (Water Treatment) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 26: Global: Adsorbents (Water Treatment) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 27: Global: Adsorbents (Air Separation and Dying) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 28: Global: Adsorbents (Air Separation and Dying) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 29: Global: Adsorbents (Packaging) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 30: Global: Adsorbents (Packaging) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 31: Global: Adsorbents (Others) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 32: Global: Adsorbents (Others) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 33: North America: Adsorbents Market: Sales Value (in Million US\$), 2017 & 2022

Figure 34: North America: Adsorbents Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 35: United States: Adsorbents Market: Sales Value (in Million US\$), 2017 & 2022

Figure 36: United States: Adsorbents Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 37: Canada: Adsorbents Market: Sales Value (in Million US\$), 2017 & 2022

Figure 38: Canada: Adsorbents Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 39: Asia-Pacific: Adsorbents Market: Sales Value (in Million US\$), 2017 & 2022

Figure 40: Asia-Pacific: Adsorbents Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 41: China: Adsorbents Market: Sales Value (in Million US\$), 2017 & 2022

Figure 42: China: Adsorbents Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 43: Japan: Adsorbents Market: Sales Value (in Million US\$), 2017 & 2022

Figure 44: Japan: Adsorbents Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 45: India: Adsorbents Market: Sales Value (in Million US\$), 2017 & 2022

Figure 46: India: Adsorbents Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 47: South Korea: Adsorbents Market: Sales Value (in Million US\$), 2017 & 2022

Figure 48: South Korea: Adsorbents Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 49: Australia: Adsorbents Market: Sales Value (in Million US\$), 2017 & 2022

Figure 50: Australia: Adsorbents Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 51: Indonesia: Adsorbents Market: Sales Value (in Million US\$), 2017 & 2022

Figure 52: Indonesia: Adsorbents Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 53: Others: Adsorbents Market: Sales Value (in Million US\$), 2017 & 2022

Figure 54: Others: Adsorbents Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 55: Europe: Adsorbents Market: Sales Value (in Million US\$), 2017 & 2022

Figure 56: Europe: Adsorbents Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 57: Germany: Adsorbents Market: Sales Value (in Million US\$), 2017 & 2022

Figure 58: Germany: Adsorbents Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 59: France: Adsorbents Market: Sales Value (in Million US\$), 2017 & 2022

Figure 60: France: Adsorbents Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 61: United Kingdom: Adsorbents Market: Sales Value (in Million US\$), 2017 & 2022

Figure 62: United Kingdom: Adsorbents Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 63: Italy: Adsorbents Market: Sales Value (in Million US\$), 2017 & 2022

Figure 64: Italy: Adsorbents Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 65: Spain: Adsorbents Market: Sales Value (in Million US\$), 2017 & 2022

Figure 66: Spain: Adsorbents Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 67: Russia: Adsorbents Market: Sales Value (in Million US\$), 2017 & 2022

Figure 68: Russia: Adsorbents Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 69: Others: Adsorbents Market: Sales Value (in Million US\$), 2017 & 2022

Figure 70: Others: Adsorbents Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 71: Latin America: Adsorbents Market: Sales Value (in Million US\$), 2017 & 2022

Figure 72: Latin America: Adsorbents Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 73: Brazil: Adsorbents Market: Sales Value (in Million US\$), 2017 & 2022

Figure 74: Brazil: Adsorbents Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 75: Mexico: Adsorbents Market: Sales Value (in Million US\$), 2017 & 2022

Figure 76: Mexico: Adsorbents Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 77: Others: Adsorbents Market: Sales Value (in Million US\$), 2017 & 2022

Figure 78: Others: Adsorbents Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 79: Middle East and Africa: Adsorbents Market: Sales Value (in Million US\$), 2017 & 2022

Figure 80: Middle East and Africa: Adsorbents Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 81: Middle East and Africa: Adsorbents Market: Breakup by Country (in %), 2022

Figure 82: Global: Adsorbents Industry: SWOT Analysis

Figure 83: Global: Adsorbents Industry: Value Chain Analysis

Figure 84: Global: Adsorbents Industry: Porter's Five Forces Analysis

I would like to order

Product name: Adsorbents Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

Product link: <https://marketpublishers.com/r/ACE80DF75A3DEN.html>

Price: US\$ 2,499.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/ACE80DF75A3DEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

