

Activated Carbon Market Report and Forecast 2025-2034

Market Report | 2025-08-13 | 164 pages | EMR Inc.

AVAILABLE LICENSES:

- Single User License \$3599.00
- Five User License \$4249.00
- Corporate License \$5099.00

Report description:

The global activated carbon market size attained a value of approximately USD 5.19 Billion in 2024 . The market is further expected to grow at a CAGR of 8.10% in the forecast period of 2025-2034, reaching a value of around USD 11.31 Billion by 2034 .

Activated carbon, also known as activated charcoal, is a type of carbon that has been processed to increased surface area for chemical reactions and adsorption. It is produced from carbonaceous sources such as coconuts, nutshells, coal, peat, and wood. Activated carbon is produced in multiple forms, including powdered activated carbon (PAC), granular activated carbon (GAC), extruded activated carbon, and activated carbon fibres, each tailored for specific applications. Activated carbon is used in a variety of applications to purify liquids and toxic gases, including food and beverage processing, potable water treatment, odour removal, and controlling industrial pollution.

The activated carbon market development is experiencing an upward growth due to several key drivers. The increasing demand for clean drinking water and the use of activated carbon in water treatment applications, along with the need for air purification to control air pollution, particularly in the emerging economies, are significant factors propelling the market forward. Furthermore, the widespread use of activated carbon in various industries such as pharmaceuticals, food and beverage production, and automotive products is contributing to its market growth. Additionally, stringent environmental regulations and the need for companies to comply with emission standards are further boosting the activated carbon market demand.

Key Trends and Developments

Growing demand for granular activated carbon, rising popularity of coconut shells, and increasing demand for gold mining are boosting the market growth.

October 2023

ADA Carbon Solutions, a leading provider of powder-activated carbon announced an expansion plan for its Red River Parish facility

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

by investing USD 251 million. Through this expansion, the company aims to transform purified coal waste into granular activated carbon.

February 2023

Evoqua Water Technologies acquired the industrial water treatment service business of Bob Johnson & Associates from Kemco Systems, expanding its presence in Texas. The business includes carbon tanks and deionisation (DI) assets.

February 2023

Evoqua Water Technologies entered into an agreement with DESOTEC to divest its carbon reactivation and slurry operations in Pennsylvania and Arizona, along with the reactivation and carbon vessel manufacturing plant in California.

March 2022

One Equity Partners acquired Norit Activated Carbon from Cabot Corporation. This acquisition is expected to strengthen Norit's position in the activated carbon market and support its growth in providing purification solutions.

Rising environmental awareness

Large-scale industrial plants tend to generate a significant amount of water and air pollution, and with increasing awareness about environmental preservation, there is heightened pressure to control pollution at the source. Sectors like chemicals, paints and dyes, and paper and pulp are establishing water treatment units incorporating activated carbon directly into their facilities, further boosting the activated carbon market growth.

Growing demand for granular activated carbon in water treatment

The granular variants of activated carbon are projected to experience robust demand within the wastewater treatment sector due to their efficacy in eliminating residual disinfectants and organic contaminants.

Rising popularity of coconut shells as feedstock materials

According to the activated carbon market analysis, coconut shell is one of the emerging feedstock materials used in the production of activated carbon. An increase in coconut production provides an impetus to the market for activated carbon.

Increasing use of activated carbon in mining sector

Activated carbon is increasingly utilised in the mining sector, particularly in gold purification processes, serving as an efficient adsorbent in gold recovery. Consequently, the upsurge in gold mining activities further reinforces the growth trajectory of the market.

Activated carbon, or activated charcoal, is widely being used in pharmaceuticals, where it has wide applications as an adsorbent to get rid of pollutants during drug manufacturing. This is likely to further aid the activated carbon market growth.

Another application sector for activated carbon is water treatment, accounting for nearly half of the total market share. Activated carbon is a highly effective tool for water purification, as it effectively absorbs pollutants from water and is used in the filtration process to remove residual contaminants from wastewater. Activated carbon also removes chlorine from the wastewater and has

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

a large surface area that makes the absorption of contaminants from wastewater highly effective.

Additionally, carbon activation is being used in the automotive sector to monitor emissions, eliminate VOCs (volatile organic compounds) as well as improve cabin air quality. These diverse applications of activated carbon is expected to be a continuing activated carbon market trend.

Global Activated Carbon Market Segmentation

Global Activated Carbon Market Report and Forecast 2025-2034 offers a detailed analysis of the market based on the following segments:

Market Breakup by Type

- Powdered Activated Carbon
- Granular Activated Carbon
- Others

Market Breakup by Application

- Water Treatment
- Air Treatment
- Gold Treatment
- Respirators
- Solvency Recovery

Market Breakup by Feedstock

- Coconut Shell
- Wood/Coal
- Others

Market Breakup by Region

- North America
- Europe
- Asia Pacific
- Latin America
- Middle East and Africa

Powdered activated carbon is expected to hold significant market share due to its increasing demand from multiple industrial sectors

Powdered activated carbon is expected to increase the activated carbon market share, accounting for more than 50% of the total market. The segment is driven by its rising demand from multiple industrial sectors to control toxicity and mercury levels.

Both powdered as well as granular activated carbon are used in water treatment, where granular activated charcoal is used for the elimination of pollutants from the groundwater.

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Coconut shells dominates the feedstock segment due to its wide use in production of activated carbon

According to the activated carbon market forecast, coconut shell is one of the emerging feedstock materials used in the production of activated carbon. An increase in coconut production provides an impetus to the market for activated carbon.

However, wood and coal are the other most common raw materials in the market currently, accounting for more than 60 per cent of the production. Coal-based activated carbon is extensively used in potable water purification, which is a major application sector of activated carbon.

Competitive Landscape

The market players are engaged in acquisitions and product portfolio expansions to stay ahead in the competition.

Kuraray Co., Ltd.

Kuraray Co., Ltd. is one of the major Japanese chemical companies operating in various sectors, including chemicals and resins, fibres and textiles, high-performance materials, and medical products. The company has been operating since 1926 and has developed a diverse product portfolio, including products such as polyvinyl alcohol resin and film, methacrylic resin, nonwoven fabrics, polyester fibres, and activated carbon, among others.

Oxbow Activated Carbon LLC

Oxbow Activated Carbon LLC is a leading manufacturer and distributor of activated carbon solutions, headquartered in the United States. It is one of the world's largest recyclers of refinery and natural gas byproducts. Founded in 1983, the company is involved in upgrading, handling, transporting, and selling petroleum coke to different sectors to produce aluminium, steel, electric power, and batteries, among other critical products.

Haycarb (Pvt) Ltd.

Haycarb (Pvt) Ltd., founded in 1972, is a Sri Lankan company specialising in the production of coconut shell-based activated carbon. They're known for manufacturing a range of activated carbon products used in purification processes in industries like water treatment, air purification, gold recovery in mining, and more.

Indo German Carbons Limited (IGCL)

Indo German Carbons Limited (IGCL) is a leading international manufacturer and supplier of coconut shell-based activated carbon products and solutions. Established in 1995, the company is in the industrial hub of Cochin, South India. The company has more than 20 years of experience in the activated carbon industry.

Other key players in the global activated carbon market analysis include Shinkwang Chem. Ind. Co., Ltd, S.I.C.A.V Spa, Century Chemical Works Sdn. Bhd, Cabot Corporation, Osaka Gas Chemicals Co., Ltd., Donau Carbon GmbH, Norit Nederland B.V., Carbon Activated Corporation., Ingevity Corporation, Silcarbon Aktivkohle GmbH, CPL Activated Carbons, Eurocarb Products Limited, Euroquarz GmbH, Puragen LLC, and Active Carbon India Pvt. Ltd., among others.

Activated Carbon Market Regional Analysis

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Asia Pacific maintains a significant market growth due to region's abundance of coconut shells

In the Asia Pacific, activated carbon is commonly derived from coconut shells and is increasingly preferred over the wood-derived kind due to its renewability and high adsorption properties, which can remove large quantities of micro-impurities. In emerging markets such as India and China, the expansion of the activated carbon market is expected to benefit from regulatory modifications, including amendments in China's environmental protection laws. China is a leading exporter of activated carbon, accounting for more than one-fourth of the total exports.

North America occupies the second largest market share due to the rising level of imports for activated carbon in the region. The United States is a leading importing country for activated carbon, followed by Japan. The main factors expected to boost the activated carbon market are rising environmental concerns, an increase in the geriatric population, and growing automotive demand in the region.

Table of Contents:

- 1 Executive Summary
 - 1.1 Market Size 2024-2025
 - 1.2 Market Growth 2025(F)-2034(F)
 - 1.3 Key Demand Drivers
 - 1.4 Key Players and Competitive Structure
 - 1.5 Industry Best Practices
 - 1.6 Recent Trends and Developments
 - 1.7 Industry Outlook
- 2 Market Overview and Stakeholder Insights
 - 2.1 Market Trends
 - 2.2 Key Verticals
 - 2.3 Key Regions
 - 2.4 Supplier Power
 - 2.5 Buyer Power
 - 2.6 Key Market Opportunities and Risks
 - 2.7 Key Initiatives by Stakeholders
- 3 Economic Summary
 - 3.1 GDP Outlook
 - 3.2 GDP Per Capita Growth
 - 3.3 Inflation Trends
 - 3.4 Democracy Index
 - 3.5 Gross Public Debt Ratios
 - 3.6 Balance of Payment (BoP) Position
 - 3.7 Population Outlook
 - 3.8 Urbanisation Trends
- 4 Country Risk Profiles
 - 4.1 Country Risk
 - 4.2 Business Climate
- 5 Global Activated Carbon Market Analysis
 - 5.1 Key Industry Highlights
 - 5.2 Global Activated Carbon Historical Market (2018-2024)

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

5.3 Global Activated Carbon Market Forecast (2025-2034)

5.4 Global Activated Carbon Market by Type

5.4.1 Powdered Activated Carbon

5.4.1.1 Historical Trend (2018-2024)

5.4.1.2 Forecast Trend (2025-2034)

5.4.2 Granular Activated Carbon

5.4.2.1 Historical Trend (2018-2024)

5.4.2.2 Forecast Trend (2025-2034)

5.4.3 Others

5.5 Global Activated Carbon Market by Application

5.5.1 Water Treatment

5.5.1.1 Historical Trend (2018-2024)

5.5.1.2 Forecast Trend (2025-2034)

5.5.2 Air Treatment

5.5.2.1 Historical Trend (2018-2024)

5.5.2.2 Forecast Trend (2025-2034)

5.5.3 Gold Treatment

5.5.3.1 Historical Trend (2018-2024)

5.5.3.2 Forecast Trend (2025-2034)

5.5.4 Respirators

5.5.4.1 Historical Trend (2018-2024)

5.5.4.2 Forecast Trend (2025-2034)

5.5.5 Solvency Recovery

5.5.5.1 Historical Trend (2018-2024)

5.5.5.2 Forecast Trend (2025-2034)

5.6 Global Activated Carbon Market by Feedstock

5.6.1 Coconut Shell

5.6.1.1 Historical Trend (2018-2024)

5.6.1.2 Forecast Trend (2025-2034)

5.6.2 Wood/Coal

5.6.2.1 Historical Trend (2018-2024)

5.6.2.2 Forecast Trend (2025-2034)

5.6.3 Others

5.7 Global Activated Carbon Market by Region

5.7.1 North America

5.7.1.1 Historical Trend (2018-2024)

5.7.1.2 Forecast Trend (2025-2034)

5.7.2 Europe

5.7.2.1 Historical Trend (2018-2024)

5.7.2.2 Forecast Trend (2025-2034)

5.7.3 Asia Pacific

5.7.3.1 Historical Trend (2018-2024)

5.7.3.2 Forecast Trend (2025-2034)

5.7.4 Latin America

5.7.4.1 Historical Trend (2018-2024)

5.7.4.2 Forecast Trend (2025-2034)

5.7.5 Middle East and Africa

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 5.7.5.1 Historical Trend (2018-2024)
- 5.7.5.2 Forecast Trend (2025-2034)
- 6 North America Activated Carbon Market Analysis
 - 6.1 United States of America
 - 6.1.1 Historical Trend (2018-2024)
 - 6.1.2 Forecast Trend (2025-2034)
 - 6.2 Canada
 - 6.2.1 Historical Trend (2018-2024)
 - 6.2.2 Forecast Trend (2025-2034)
- 7 Europe Activated Carbon Market Analysis
 - 7.1 United Kingdom
 - 7.1.1 Historical Trend (2018-2024)
 - 7.1.2 Forecast Trend (2025-2034)
 - 7.2 Germany
 - 7.2.1 Historical Trend (2018-2024)
 - 7.2.2 Forecast Trend (2025-2034)
 - 7.3 France
 - 7.3.1 Historical Trend (2018-2024)
 - 7.3.2 Forecast Trend (2025-2034)
 - 7.4 Italy
 - 7.4.1 Historical Trend (2018-2024)
 - 7.4.2 Forecast Trend (2025-2034)
 - 7.5 Others
- 8 Asia Pacific Activated Carbon Market Analysis
 - 8.1 China
 - 8.1.1 Historical Trend (2018-2024)
 - 8.1.2 Forecast Trend (2025-2034)
 - 8.2 Japan
 - 8.2.1 Historical Trend (2018-2024)
 - 8.2.2 Forecast Trend (2025-2034)
 - 8.3 India
 - 8.3.1 Historical Trend (2018-2024)
 - 8.3.2 Forecast Trend (2025-2034)
 - 8.4 ASEAN
 - 8.4.1 Historical Trend (2018-2024)
 - 8.4.2 Forecast Trend (2025-2034)
 - 8.5 Australia
 - 8.5.1 Historical Trend (2018-2024)
 - 8.5.2 Forecast Trend (2025-2034)
 - 8.6 Others
- 9 Latin America Activated Carbon Market Analysis
 - 9.1 Brazil
 - 9.1.1 Historical Trend (2018-2024)
 - 9.1.2 Forecast Trend (2025-2034)
 - 9.2 Argentina
 - 9.2.1 Historical Trend (2018-2024)
 - 9.2.2 Forecast Trend (2025-2034)

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 9.3 Mexico
 - 9.3.1 Historical Trend (2018-2024)
 - 9.3.2 Forecast Trend (2025-2034)
- 9.4 Others
- 10 Middle East and Africa Activated Carbon Market Analysis
 - 10.1 Saudi Arabia
 - 10.1.1 Historical Trend (2018-2024)
 - 10.1.2 Forecast Trend (2025-2034)
 - 10.2 United Arab Emirates
 - 10.2.1 Historical Trend (2018-2024)
 - 10.2.2 Forecast Trend (2025-2034)
 - 10.3 Nigeria
 - 10.3.1 Historical Trend (2018-2024)
 - 10.3.2 Forecast Trend (2025-2034)
 - 10.4 South Africa
 - 10.4.1 Historical Trend (2018-2024)
 - 10.4.2 Forecast Trend (2025-2034)
 - 10.5 Others
- 11 Market Dynamics
 - 11.1 SWOT Analysis
 - 11.1.1 Strengths
 - 11.1.2 Weaknesses
 - 11.1.3 Opportunities
 - 11.1.4 Threats
 - 11.2 Porter's Five Forces Analysis
 - 11.2.1 Supplier's Power
 - 11.2.2 Buyer's Power
 - 11.2.3 Threat of New Entrants
 - 11.2.4 Degree of Rivalry
 - 11.2.5 Threat of Substitutes
 - 11.3 Key Indicators for Demand
 - 11.4 Key Indicators for Price
- 12 Value Chain Analysis
- 13 Trade Data Analysis (HS Code - 38210)
 - 13.1 Major Exporting Countries
 - 13.1.1 By Value
 - 13.1.2 By Volume
 - 13.2 Major Importing Countries
 - 13.2.1 By Value
 - 13.2.2 By Volume
- 14 Price Analysis
- 15 Procurement Insights
 - 15.1 Contract Terms
 - 15.2 Cost Structure
 - 15.2.1 Raw Material
 - 15.2.2 Utility
 - 15.2.3 Labour Cost

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 15.2.4 Fixed Cost
- 15.3 Pricing Model
- 15.4 Vendor Selection Criteria
- 15.5 Supplier and Buyer Power at Regional Level
 - 15.5.1 Demand
 - 15.5.2 Supply
 - 15.5.3 Raw Material/Feedstock Availability
 - 15.5.4 Supplier Power
 - 15.5.5 Buyer Power
- 15.6 Procurement Strategy: Best Practices
- 16 Competitive Landscape
 - 16.1 Supplier Selection
 - 16.2 Key Global Players
 - 16.3 Key Regional Players
 - 16.4 Key Player Strategies
 - 16.5 Company Profiles
 - 16.5.1 Kuraray Co., Ltd.
 - 16.5.1.1 Company Overview
 - 16.5.1.2 Product Portfolio
 - 16.5.1.3 Demographic Reach and Achievements
 - 16.5.1.4 Certifications
 - 16.5.2 Oxbow Activated Carbon LLC
 - 16.5.2.1 Company Overview
 - 16.5.2.2 Product Portfolio
 - 16.5.2.3 Demographic Reach and Achievements
 - 16.5.2.4 Certifications
 - 16.5.3 Haycarb (Pvt) Ltd.
 - 16.5.3.1 Company Overview
 - 16.5.3.2 Product Portfolio
 - 16.5.3.3 Demographic Reach and Achievements
 - 16.5.3.4 Certifications
 - 16.5.4 Indo German Carbons Limited (IGCL)
 - 16.5.4.1 Company Overview
 - 16.5.4.2 Product Portfolio
 - 16.5.4.3 Demographic Reach and Achievements
 - 16.5.4.4 Certifications
 - 16.5.5 Shinkwang Chem. Ind. Co., Ltd
 - 16.5.5.1 Company Overview
 - 16.5.5.2 Product Portfolio
 - 16.5.5.3 Demographic Reach and Achievements
 - 16.5.5.4 Certifications
 - 16.5.6 S.I.C.A.V. Spa
 - 16.5.6.1 Company Overview
 - 16.5.6.2 Product Portfolio
 - 16.5.6.3 Demographic Reach and Achievements
 - 16.5.6.4 Certifications
 - 16.5.7 Century Chemical Works Sdn. Bhd

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 16.5.7.1 Company Overview
- 16.5.7.2 Product Portfolio
- 16.5.7.3 Demographic Reach and Achievements
- 16.5.7.4 Certifications
- 16.5.8 Cabot Corporation
 - 16.5.8.1 Company Overview
 - 16.5.8.2 Product Portfolio
 - 16.5.8.3 Demographic Reach and Achievements
 - 16.5.8.4 Certifications
- 16.5.9 Osaka Gas Chemicals Co., Ltd.
 - 16.5.9.1 Company Overview
 - 16.5.9.2 Product Portfolio
 - 16.5.9.3 Demographic Reach and Achievements
 - 16.5.9.4 Certifications
- 16.5.10 Donau Carbon GmbH
 - 16.5.10.1 Company Overview
 - 16.5.10.2 Product Portfolio
 - 16.5.10.3 Demographic Reach and Achievements
 - 16.5.10.4 Certifications
- 16.5.11 Norit Nederland B.V.
 - 16.5.11.1 Company Overview
 - 16.5.11.2 Product Portfolio
 - 16.5.11.3 Demographic Reach and Achievements
 - 16.5.11.4 Certifications
- 16.5.12 Carbon Activated Corporation.
 - 16.5.12.1 Company Overview
 - 16.5.12.2 Product Portfolio
 - 16.5.12.3 Demographic Reach and Achievements
 - 16.5.12.4 Certifications
- 16.5.13 Ingevity Corporation
 - 16.5.13.1 Company Overview
 - 16.5.13.2 Product Portfolio
 - 16.5.13.3 Demographic Reach and Achievements
 - 16.5.13.4 Certifications
- 16.5.14 Silcarbon Aktivkohle GmbH
 - 16.5.14.1 Company Overview
 - 16.5.14.2 Product Portfolio
 - 16.5.14.3 Demographic Reach and Achievements
 - 16.5.14.4 Certifications
- 16.5.15 CPL Activated Carbons
 - 16.5.15.1 Company Overview
 - 16.5.15.2 Product Portfolio
 - 16.5.15.3 Demographic Reach and Achievements
 - 16.5.15.4 Certifications
- 16.5.16 Eurocarb Products Limited
 - 16.5.16.1 Company Overview
 - 16.5.16.2 Product Portfolio

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 16.5.16.3 Demographic Reach and Achievements
- 16.5.16.4 Certifications
- 16.5.17 Euroquarz GmbH
 - 16.5.17.1 Company Overview
 - 16.5.17.2 Product Portfolio
 - 16.5.17.3 Demographic Reach and Achievements
 - 16.5.17.4 Certifications
- 16.5.18 Puragen LLC
 - 16.5.18.1 Company Overview
 - 16.5.18.2 Product Portfolio
 - 16.5.18.3 Demographic Reach and Achievements
 - 16.5.18.4 Certifications
- 16.5.19 Active Carbon India Pvt. Ltd.
 - 16.5.19.1 Company Overview
 - 16.5.19.2 Product Portfolio
 - 16.5.19.3 Certifications
 - 16.5.19.4 Demographic Reach and Achievements
- 16.5.20 Others

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Activated Carbon Market Report and Forecast 2025-2034

Market Report | 2025-08-13 | 164 pages | EMR Inc.

To place an Order with Scotts International:

- Print this form
- Complete the relevant blank fields and sign
- Send as a scanned email to support@scott's-international.com

ORDER FORM:

Select license	License	Price
	Single User License	\$3599.00
	Five User License	\$4249.00
	Corporate License	\$5099.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scott's-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2026-03-05"/>
		Signature	<input type="text"/>

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scott's-international.com

www.scott's-international.com