Activated Carbon – A Global Market Overview

Description: Global demand for activated carbon is on an upswing, with prospects for future growth looking quite healthy. Activated carbon's outstanding capability in adsorbing a number of impurities from liquids and gases renders it to be used on an extensive basis in several applications concerning air and water purification. Additional application areas for the material include the automotive, food & beverage and medical & pharmaceutical industries, albeit on a limited basis. The future market for activated carbon is also likely to derive benefit from a continuous stream of openings from a number of industrial processes that employ adsorption technologies.

Regulations related to water and air pollution across the world have a major role to play in influencing demand for activated carbon. Several countries across the globe are confronting the challenge of depleting clean water resources due to growing population. Rising levels of contaminated groundwater need purification and activated carbon offers a potent solution for overcoming this hurdle. The Disinfectants and Disinfection Byproducts Rule in the United States that puts a cap on the allowable concentration of chemicals in drinking water is also likely to drive growth for activated carbon.

The supply of raw material for activated carbon has been tight and producers have been compelled to increase prices of virgin activated carbon. This scenario has led to fueling demand for reactivated carbon in various areas, such as refineries for reducing VOCs in gas phase applications, groundwater remediation and wastewater treatment processes.

Worldwide market for Activated Carbon product segments explored in this study includes Granular Activated Carbon, Powdered Activated Carbon and Other Activated Carbons. The report also analyzes the key applications of Activated Carbon comprising Gas Phase applications and Liquid Phase applications while discussing the major end-use sector markets covering Air Purification, Automotive Canisters, Food & Beverages, Medical & Pharmaceutical, Water Treatment and Others. The global markets for the above mentioned product types, application areas and end-use sectors are analyzed in terms of both in metric tons and USD. Global market for activated carbon, estimated at US$2.7 billion in 2015, forecast at US$3 billion in 2016 and further expected to maintain a robust CAGR of 12.8% between 2016 and 2022 to reach a projected US$6.2 billion by 2022.

This report reviews, analyses and projects the activated carbon market for the period 2012-2022 globally and the regional markets including North America, Europe, Asia-Pacific, South America and Rest of World. The regional markets further analyzed for 15 independent countries across North America – The United States, Canada and Mexico; Europe – France, Germany, Italy, Spain, Russia and the United Kingdom; Asia-Pacific – China, India, Japan and South Korea; South America – Argentina and Brazil.

This global market research report includes 367 charts (includes a data table and graphical representation for each chart), supported with meaningful and easy to understand graphical presentation, of market numbers. This report profiles 49 key global players and 80 major players across North America – 22; Europe – 8; Asia-Pacific – 49; and South America 1. The research also provides the listing of the companies engaged in manufacturing and supply of Activated Carbon. The global list of companies covers the address, contact numbers and the website addresses of 227 companies.

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   ADA Carbon Solutions, LLC
   Advanced Emissions Solutions, Inc
   Albemarle Corporation
   Arkema S.A.
   Asbury Carbons Incorporated
   Babcock Power Inc.
5. KEY BUSINESS TRENDS

Calgon Carbon Inks Three Multi-Year Deals to Supply FLUEPAC® PAC Products for Effective Control of Mercury Emissions

ADES to Enhance its Endeavours on Core Strengths to Meet Emerging DSI Market Demands

MWV Specialty Chemicals Division Changes Name to Ingevity

Global Price Raise of Cabot's Activated Carbon Products

Oxbow Activated Carbon LLC Takes Over Superior Adsorbents' Assets

Kuraray Presents Activated Carbon-Based Water Treatment Technologies at INDO WATER 2015

American Chemistry Council Awards Certificates of Excellence for Three US Production Units of Cabot

Calgon Carbon Receives a Three-Year Supply Deal

Calgon Carbon's Granular Activated Carbons Applied to Treat Harmful Algal Toxins

Tulsa's Best Tasting Water Purified Using Cabot's Granular Activated Carbons

Water Quality Association Certifies Jacobi Carbon's Nattandiya Manufacturing Facility

Cabot Offers DARCO® Activated Carbons to Control Mercury Emissions at Two US Power Utilities

Cabot's New Segment Structure Enhances Efficiency and Resource Prioritization

Carbon Activated Group Expands its Activated Carbon Business

Release of Cabot's First Multimedia Activated Carbon Product

Inauguration of Cabot's Novel Mine in Texas

Cabot's DARCO® Hg Family of Activated Carbon Products Supplied to Two US Electric Utilities

Calgon Carbon and Samsung C&T Corporation Form Filtrasorb® GAC Supply Pact

Integration of Japan EnviroChemicals and Osaka Gas Chemicals
 Cabot and Westmoreland to Broaden their Footprint in North America
Arkema Presents Acticarbone® and Anticromos® Activated Carbons at the CPhI 2014 Trade Show
Launch of Chemviron Carbon's New MACH4 and MACH4S Mobile Activated Carbon Filters for the Biogas Industry
Calgon Carbon and Palmdale Water District form GAC Supply Pact for Ten Years
Carbon Resources Acquired by Oxbow
Calgon Carbon's Novel GAC Reactivated Facility in New York
CarboTech's Establishes Subsidiary in Italy
AMC Recognizes Calgon Carbon's Facility in Gila Bend, Arizona for Sustainability Excellence
Calgon Carbon to Offer GACs to Gu Eui Water Plant in Seoul
Japan EnviroChemicals Signs MOU with Tancarb
Dutch Drinking Water Industry Receives Kiwa-ATA/ATD Certified Activated Carbons from Chemviron Carbon
Calgon Carbon to Offer Reactivated GACs for Drinking Water Treatment in the City of Glendale, Arizona
Jacobi Carbons Acquired by Osaka Gas Chemicals
Kuraray Group to Exhibit Activated Carbon for Aqua Business at VIETWATER 2013
Calgon Carbon and Brenntag Procure Supply Deal
Thames Water and Chemviron Sign Supply Deal for Reactivated Carbons to Treat Drinking Water
US PTO Issues Fifth Patent for Calgon Carbon's Advanced FLUEPAC® Technology
Inauguration of Calgon Carbon's Custom Carbon Reactivation Facility in Gila Bend, Arizona
Calgon Carbon to Offer FLUEPAC® Brominated PACs to Control Mercury Emissions in the Midwest Power Plants
JEC and CarboTech Conclude Supply Distributorship Agreement for Nitrogen-CMS
ADA Carbon Solutions Established Long Term Collaboration with Covanta
BlueScope Selects CCJ to Deliver Activated Carbon for Pollution Control Needs
Acquisition of Bulk Conveyor Specialist Inc. by ADA
Launch of ADA's New, Patent Pending FastPAC™ Series of Activated Carbon Products
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ADA-ES, Inc. (United States)
Albemarle Corporation (United States)
Asbury Carbonics Inc. (United States)
Babcock Power Inc. (United States)
Cabot Corporation (United States)
Cabot Norit Activated Carbon Americas (United States)
Calgon Carbon Corporation (United States)
Chemviron Carbon (Belgium)
California Carbon Co., Inc. (United States)
Cameron Great Lakes, Inc. (United States)
Carbochem Inc. (United States)
Carbon Activated Corp. (United States)
Clarimex (Mexico)
Evoqua Water Technologies LLC (United States)
Ingevity (United States)
Purification Cellutions, LLC (United States)
Nucon International, Inc. (United States)
Oxbow Carbon LLC (United States)
Oxbow Activated Carbon LLC (United States)
Standard Purification LLC (United States)

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CECA (FRANCE)
CPL Carbon Link Limited (United Kingdom)
Desotec N.V.-S.A. (Belgium)
Donau Chemie AG (Austria)
International Chemical Investors SE (Luxembourg)
CarboTech AC GmbH (Germany)
Silicarbon Aktivkohle GmbH (Germany)
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Boyce Carbon (India)
Capital Carbon (India)
Carbonscape Ltd (New Zealand)
Datong Coal Jinding Activated Carbon Co. Ltd. (China)
Datong Fuping Activated Carbon (China)
Datong Locomotive Coal & Chemicals Co., Ltd. (China)
Datong Municipal Yunguang Activated Carbon Co., Ltd. (China)
Fujian Xinsen Carbon Co. Ltd. (China)
Fujian Yuanli Active Carbon Industrial Co., Ltd. (China)
Fujian Zhixing Activated Carbon Co., Ltd. (China)
Futamura Chemical Co., Limited (Japan)
Golden Lake Carbon Co., Ltd (China)
Goldstar Carbon Tech Inc. (Taiwan)
Hangzhou Hengxing Activated Carbon Co., Ltd. (China)
Hayleys PLC (Sri Lanka)
Haycarb PLC (Sri Lanka)
Eurocarb (United Kingdom)
Puritas Limited (Sri Lanka)
Huaiiren Huanyu Purification Materials Co., Ltd. (China)
INDO German Carbons Limited (India)
Inner Mongolia Taixi Coal Group (China)
Jayeon Science Industry Co., Ltd. (South Korea)
Jiangsu Zhuxi Activated Carbon Co., Ltd. (China)
Kalpaka Chemicals Private Limited (India)
Kan-Carbon Private Limited (India)
Kuraray Co., Ltd. (Japan)
Kurayar Chemical Co., Ltd. (Japan)
Kureha Corporation (Japan)
Ningxia Guanghua-Cherishmet Activated Carbon Co., Ltd. (China)
Ningxia Hua Hui Activated Carbon Company Limited (China)
Osaka Gas Chemicals Co., Ltd. (Japan)
Century Chemical Works Sdn. Bhd. (Malaysia)
Jacobil Carbons AB (Sweden)
Minabe Chemical Industries, Ltd. (Japan)
Davao Central Chemical Corporation (Philippines)
Hakata Chemical Co., Ltd. (Japan)
Pacific Activated Carbon Company (Philippines)
Philippine-Japan Active Carbon Corporation (Philippines)
PT. Intan Prima Group (Indonesia)
Raj Carbons (India)
Shanghai Mebao Activated Carbon Co., Ltd. (China)
Shanghai Xing Chang Activated Carbon Co., Ltd. (China)
Shanxi Xinhua Chemical Co., Ltd. (China)
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Universal Carbons India (India)

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