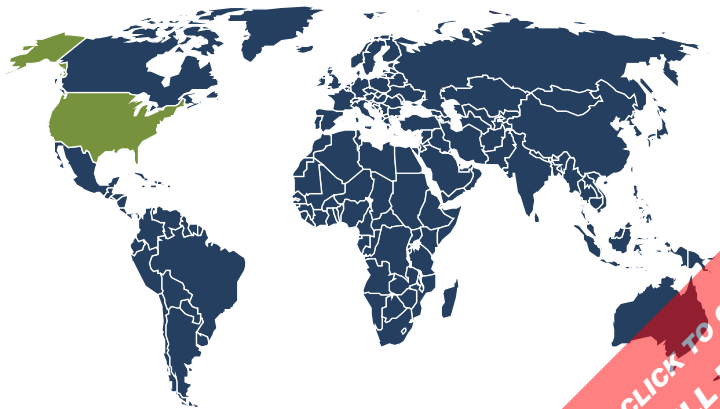




Freedonia Focus Reports  
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# Activated Carbon: United States

October 2016



## Highlights

### Market Environment

Historical Trends | Key Economic Indicators | Trade  
Environmental and Regulatory Factors | Competitive Materials and Technologies

### Segmentation and Forecasts

Products | Markets | Shipments

### Industry Structure

Industry Composition and Characteristics | Companies Cited

### Resources

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## ABOUT THIS REPORT

### Scope & Method

This report forecasts to 2020 US activated carbon demand in pounds and US dollars at the manufacturers' level, as well as US shipments in pounds. Total demand in pounds and dollars and total shipments in pounds are segmented by product in terms of:

- powdered
- granular
- other products such as fiber, cloth, and carbon monoliths.

Demand and shipment figures presented in this report include both virgin activated carbon and reactivated products (almost entirely granular activated carbons) sold by activated carbon suppliers, except in those places where virgin and reactivated activated carbon production capacities are considered separately. In some instances, the term "reactivation" is used interchangeably with the terms "regeneration" and "desorption" for clarity and ease of reading.

Total demand in pounds is also segmented by market as follows:

- water treatment
- food and beverage processing
- other liquid phase markets such as pharmaceutical and medical, mining, and aquariums
- industrial air purification
- motor vehicles
- other gas phase markets such as solvent recovery, consumer home air purifiers, and cigarette production.

To illustrate historical trends, total demand in pounds and dollars and total shipments in pounds are provided in annual series from 2005 to 2015; the various segments are reported at five-year intervals for 2010 and 2015.

This report quantifies trends in various measures of growth. Growth (or decline) expressed as an average annual growth rate (AAGR) is the least squares growth rate, which takes into account all available datapoints over a period. Growth calculated as a compound annual growth rate (CAGR) employs, by definition, only the first and last datapoints over a period. The CAGR is used to describe forecast growth, defined as the expected trend beginning in the base year and ending in the forecast year. Readers are encouraged to consider historical volatility when assessing particular annual values along the forecast trend, including in the forecast year.

Key macroeconomic indicators are also provided at five-year intervals with CAGRs for

the years corresponding to other reported figures. Other various topics, including profiles of pertinent leading suppliers, are covered in this report. A full outline of report items by page is available in the [Table of Contents](#).

## Sources

*Activated Carbon: United States* (FF35050) is based on [Activated Carbon](#), a comprehensive industry study published by The Freedonia Group in October 2016. Reported findings represent the synthesis and analysis of data from various primary, secondary, macroeconomic, and demographic sources including:

- firms participating in the industry, and their suppliers and customers
- government/public agencies
- national, regional, and international non-governmental organizations
- trade associations and their publications
- the business and trade press
- indicator forecasts by The Freedonia Group
- the findings of other industry studies by The Freedonia Group.

Specific sources and additional resources are listed in the [Resources](#) section of this publication for reference and to facilitate further research.

## Industry Codes

The topic of this report is related to the following industry codes:

NAICS/SCIAN 2007		SIC	
North American Industry Classification System		Standard Industry Codes	
325998	All Other Miscellaneous Chemical Product and Preparation Manufacturing	2819	Industrial Inorganic Chemicals, NEC

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## RESOURCES

### The Freedonia Group

[www.freedoniagroup.com](http://www.freedoniagroup.com)

<i>3467 Activated Carbon</i> , October 2016	<a href="#">see study contents</a>
Related Industry Studies	
<i>3404 World Activated Carbon</i> , April 2016	<a href="#">see study contents</a>
<i>3379 Air &amp; Fluid Filters</i> , April 2016	<a href="#">see study contents</a>
<i>3370 World Consumer Air Treatment Systems</i> , March 2016	<a href="#">see study contents</a>
<i>3360 World Consumer Water Treatment Systems</i> , January 2016	<a href="#">see study contents</a>
<i>3322 Water Treatment Chemicals</i> , July 2015	<a href="#">see study contents</a>
<i>3288 Water Treatment Equipment</i> , May 2015	<a href="#">see study contents</a>
Related Focus Reports	
<i>Motor Vehicles: United States</i>	<a href="#">see report contents</a>
<i>Processed Food: United States</i>	<a href="#">see report contents</a>
<i>Water Treatment Chemicals: United States</i>	<a href="#">see report contents</a>
<i>Water: United States</i>	<a href="#">see report contents</a>
<i>World Activated Carbon</i>	<a href="#">see report contents</a>
<i>World Consumer Water Treatment Systems</i>	<a href="#">see report contents</a>
<i>World Filters</i>	<a href="#">see report contents</a>
Freedonia Custom Research	<a href="#">see capabilities</a>

### Trade Publications

<i>Biomass Magazine</i>	<a href="http://www.biomassmagazine.com">www.biomassmagazine.com</a>
<i>Chemical &amp; Engineering News</i>	<a href="https://cen.acs.org">https://cen.acs.org</a>
<i>ICIS Chemical Business</i>	<a href="http://www.icis.com">www.icis.com</a>
<i>MIT Technology Review</i>	<a href="http://www.technologyreview.com">www.technologyreview.com</a>
<i>Water Conditioning &amp; Purification</i>	<a href="http://www.wcponline.com">www.wcponline.com</a>
<i>Water Quality Products</i>	<a href="http://www.wqpmag.com">www.wqpmag.com</a>

### Agencies & Associations

American Water Works Association	<a href="http://www.awwa.org">www.awwa.org</a>
Association of Water Technologies	<a href="http://www.awt.org">www.awt.org</a>
Council of Industrial Boiler Owners	<a href="http://www.cibo.org">www.cibo.org</a>
Occupational Safety and Health Administration	<a href="http://www.osha.gov">www.osha.gov</a>
Portland Cement Association	<a href="http://www.cement.org">www.cement.org</a>
Society of Chemical Industry	<a href="http://www.soci.org">www.soci.org</a>
United States Census Bureau	<a href="http://www.census.gov">www.census.gov</a>
United States Department of Commerce	<a href="http://www.commerce.gov">www.commerce.gov</a>
United States Environmental Protection Agency	<a href="http://www.epa.gov">www.epa.gov</a>
United States International Trade Commission	<a href="http://www.usitc.gov">www.usitc.gov</a>

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