



[CLICK TO VIEW](#)

[Table of Contents 2](#)

[List of Tables & Charts 3](#)

[Study Overview 5](#)

[Sample Text, Table & Chart 6](#)

[Sample Profile, Table & Forecast 7](#)

[Order Form & Corporate Use License 8](#)

[About Freedonia, Custom Research, Related Studies, 9](#)

World Activated Carbon

Industry Study with Forecasts for **2016 & 2021**

Study #2878 | April 2012 | \$6200 | 415 pages

www.freedoniagroup.com



The Freedonia Group

767 Beta Drive

Cleveland, OH • 44143-2326 • USA

Toll Free US Tel: 800.927.5900 or +1 440.684.9600

Fax: +1 440.646.0484

E-mail: info@freedoniagroup.com

Table of Contents

EXECUTIVE SUMMARY

MARKET ENVIRONMENT

General	4
Global Macroeconomic Environment	5
Recent Historical Trends	5
World Economic Outlook	7
World Fixed Investment Overview	11
World Demographic Overview	13
World Population Outlook.....	14
World Urbanization Patterns	15
World Manufacturing Outlook	17
Nonagricultural Water Use Trends.....	19
World Food & Beverage Outlook.....	21
World Sweeteners Overview.....	24
World Pharmaceuticals Overview.....	25
World Motor Vehicle Outlook	28
Technology	31
Characteristics.....	34
Feedstock.....	34
Activation & Regeneration	36
New Product Development.....	37
Competitive Materials & Technology.....	38
Environmental & Regulatory Issues	41

WORLD SUPPLY & DEMAND

General	44
Demand.....	45
Production	49
Production Capacity & Utilization	50
Reactivation & Regeneration Capacity	53
International Trade	55
Pricing Patterns	57

WORLD PRODUCT & MARKET OVERVIEW

General	60
Demand by Type	61
Powdered.....	64
Granular	66
Other	69
Demand by Application	72
Liquid Phase	74
Gas Phase.....	76
Demand by Market.....	78
Industrial	81
Air Purification.....	83
Other Industrial.....	85

Water Treatment	88
Drinking Water	91
Other Water Treatment.....	94
Food & Beverage Processing	96
Sweetener	98
Other.....	101
Motor Vehicle	103
Pharmaceutical & Medical	106
Other	109

NORTH AMERICA

General	112
Activated Carbon Supply & Demand	114
Activated Carbon Market Outlook.....	118
United States	122
Canada	130
Mexico	138

WESTERN EUROPE

General	146
Activated Carbon Supply & Demand	148
Activated Carbon Market Outlook.....	152
Germany.....	156
United Kingdom.....	162
Italy	169
France.....	176
Spain	183
Other Western Europe	190

ASIA/PACIFIC

General	199
Activated Carbon Supply & Demand	201
Activated Carbon Market Outlook.....	206
China	209
Japan.....	217
South Korea	225
India	232
Taiwan	240
Indonesia	247
Australia.....	254
Other Asia/Pacific	262

OTHER REGIONS

Central & South America	272
Activated Carbon Supply & Demand	274
Activated Carbon Market Outlook.....	277
Brazil.....	281
Other Central & South America.....	287

Eastern Europe	293
Activated Carbon Supply & Demand	296
Activated Carbon Market Outlook.....	298
Russia.....	301
Other Eastern Europe.....	308
Africa/Mideast.....	315
Activated Carbon Supply & Demand	318
Activated Carbon Market Outlook.....	320

INDUSTRY STRUCTURE

General	323
Industry Composition & Market Share.....	323
Competitive Strategies.....	330
Manufacturing Trends	331
Marketing & Distribution	332
Cooperative Agreements.....	333
Acquisitions & Divestitures.....	337

COMPANY PROFILES

ADA Carbon Solutions	339
ADA-ES Incorporated	340
Albemarle Corporation	342
Arkema SA	343
Calgon Carbon	345
Carbon Activated	352
Carbon Resources	353
CPL Carbon Link.....	355
Desotec NV-SA.....	357
Donau Chemie	359
Fujian Yuanli Active Carbon	361
Futamura Chemical	362
Grupo Clarimex	364
Hayleys plc	366
Indo German Carbons.....	368
International Chemical.....	370
Jacobi Carbons	373
Kuraray Company	377
Kureha Corporation	379
MeadWestvaco Corporation	380
Ningxia Huahui Activated Carbon.....	382
Norit NV	383
Osaka Gas	388
Pacific Activated Carbon.....	390
PT Intan Prima	392
Shanxi Xinhua Chemical	393
Shenhua Ningxia Coal	394
Shinkwang Chemical.....	395
Siemens AG	397
Silcarbon Aktivkohle.....	401
Veolia Environnement	403
Additional Companies Mentioned in Study	405

List of Tables/Charts

EXECUTIVE SUMMARY

1 Summary Table 3

MARKET ENVIRONMENT

1 World Gross Domestic Product
 by Region 11
 2 World Fixed Investment by Region 13
 3 World Population by Region 15
 4 World Urban Population by Region 17
 5 World Manufacturing Value Added
 by Region 19
 6 World Nonagricultural Water Use
 by Region 21
 7 World Food & Beverage Manufacturing
 Value Added by Region 23
 8 World Pharmaceutical Shipments
 by Region 28
 9 World Motor Vehicle Production
 by Region 31

WORLD SUPPLY & DEMAND

1 World Activated Carbon
 Demand by Region 49
 2 World Activated Carbon
 Shipments by Region 50
 3 World Activated Carbon
 Net Exports by Region 57
 4 World Activated Carbon
 Prices by Region 59

WORLD PRODUCT & MARKET OVERVIEW

1 World Activated Carbon
 Demand by Type 63
 2 World Powdered Activated Carbon
 Demand by Region 66
 3 World Granular Activated Carbon
 Demand by Region 68
 4 World Demand for Other Activated
 Carbon Types by Region 72
 5 World Activated Carbon
 Demand by Application 73
 6 World Liquid Phase Activated Carbon
 Demand by Region 76
 7 World Gas Phase Activated Carbon
 Demand by Region 78

8 World Activated Carbon
 Demand by Market 80
 9 World Industrial Demand
 for Activated Carbon 82
 10 World Air Purification Demand
 for Activated Carbon 85
 11 World Other Industrial Markets
 Demand for Activated Carbon 88
 12 World Water Treatment Demand
 for Activated Carbon 91
 13 World Drinking Water Demand
 for Activated Carbon 94
 14 World Other Water Treatment Markets
 Demand for Activated Carbon 96
 15 World Food & Beverage Processing
 Demand for Activated Carbon 98
 16 World Sweetener Processing
 Demand for Activated Carbon 101
 17 World Other Food & Beverage Processing
 Demand for Activated Carbon 103
 18 World Motor Vehicle Demand
 for Activated Carbon 106
 19 World Pharmaceutical & Medical
 Demand for Activated Carbon 108
 20 World Other Markets Demand
 for Activated Carbon 111

NORTH AMERICA

1 North America -- Activated Carbon
 Market Environment 114
 2 North America -- Activated Carbon
 Supply & Demand 117
 3 North America -- Activated Carbon
 Demand by Application & Market ... 121
 4 United States -- Activated Carbon
 Market Environment 124
 5 United States -- Activated Carbon
 Supply & Demand 128
 6 United States -- Activated Carbon
 Demand by Application & Market ... 130
 7 Canada -- Activated Carbon
 Market Environment 132
 8 Canada -- Activated Carbon
 Supply & Demand 135
 9 Canada -- Activated Carbon
 Demand by Application & Market ... 137
 10 Mexico -- Activated Carbon
 Market Environment 140
 11 Mexico -- Activated Carbon
 Supply & Demand 143
 12 Mexico -- Activated Carbon
 Demand by Application & Market ... 145

WESTERN EUROPE

1 Western Europe -- Activated Carbon
 Market Environment 148
 2 Western Europe -- Activated Carbon
 Supply & Demand 151
 3 Western Europe -- Activated Carbon
 Demand by Application & Market ... 155
 4 Germany -- Activated Carbon
 Market Environment 157
 5 Germany -- Activated Carbon
 Supply & Demand 160
 6 Germany -- Activated Carbon
 Demand by Application & Market ... 162
 7 United Kingdom -- Activated Carbon
 Market Environment 164
 8 United Kingdom -- Activated Carbon
 Supply & Demand 167
 9 United Kingdom -- Activated Carbon
 Demand by Application & Market ... 169
 10 Italy -- Activated Carbon
 Market Environment 171
 11 Italy -- Activated Carbon
 Supply & Demand 174
 12 Italy -- Activated Carbon Demand
 by Application & Market 176
 13 France -- Activated Carbon
 Market Environment 178
 14 France -- Activated Carbon
 Supply & Demand 181
 15 France -- Activated Carbon Demand
 by Application & Market 183
 16 Spain -- Activated Carbon
 Market Environment 185
 17 Spain -- Activated Carbon
 Supply & Demand 188
 18 Spain -- Activated Carbon Demand
 by Application & Market 190
 19 Other Western Europe -- Activated
 Carbon Market Environment 192
 20 Other Western Europe -- Activated
 Carbon Supply & Demand 196
 21 Other Western Europe -- Activated
 Carbon Demand by Application
 & Market 198

ASIA/PACIFIC

1 Asia/Pacific -- Activated Carbon
 Market Environment 201
 2 Asia/Pacific -- Activated Carbon
 Supply & Demand 205
 (continued on following page)

[Click here to purchase online](#)

List of Tables

(continued from previous page)

3 Asia/Pacific -- Activated Carbon Demand by Application & Market ...	208
4 China -- Activated Carbon Market Environment.....	211
5 China -- Activated Carbon Supply & Demand	215
6 China -- Activated Carbon Demand by Application & Market	217
7 Japan -- Activated Carbon Market Environment.....	219
8 Japan -- Activated Carbon Supply & Demand	222
9 Japan -- Activated Carbon Demand by Application & Market	224
10 South Korea -- Activated Carbon Market Environment.....	227
11 South Korea -- Activated Carbon Supply & Demand	230
12 South Korea -- Activated Carbon Demand by Application & Market ...	232
13 India -- Activated Carbon Market Environment.....	234
14 India -- Activated Carbon Supply & Demand	237
15 India -- Activated Carbon Demand by Application & Market ...	239
16 Taiwan -- Activated Carbon Market Environment.....	242
17 Taiwan -- Activated Carbon Supply & Demand	245
18 Taiwan -- Activated Carbon Demand by Application & Market	247
19 Indonesia -- Activated Carbon Market Environment.....	249
20 Indonesia -- Activated Carbon Supply & Demand	252
21 Indonesia -- Activated Carbon Demand by Application & Market	254
22 Australia -- Activated Carbon Market Environment.....	256
23 Australia -- Activated Carbon Supply & Demand	259
24 Australia -- Activated Carbon Demand by Application & Market	262
25 Other Asia/Pacific -- Activated Carbon Market Environment.....	264
26 Other Asia/Pacific -- Activated Carbon Supply & Demand	269
27 Other Asia/Pacific -- Activated Carbon Demand by Application & Market ...	271

OTHER REGIONS

1 Central & South America -- Activated Carbon Market Environment.....	274
2 Central & South America -- Activated Carbon Supply & Demand.....	277
3 Central & South America -- Activated Carbon Demand by Application & Market.....	280
4 Brazil -- Activated Carbon Market Environment.....	282
5 Brazil -- Activated Carbon Supply & Demand	285
6 Brazil -- Activated Carbon Demand by Application & Market	287
7 Other Central & South America -- Activated Carbon Market Environment.....	289
8 Other Central & South America -- Activated Carbon Supply & Demand	291
9 Other Central & South America -- Activated Carbon Demand by Application & Market	293
10 Eastern Europe -- Activated Carbon Market Environment.....	295
11 Eastern Europe -- Activated Carbon Supply & Demand	298
12 Eastern Europe -- Activated Carbon Demand by Application & Market ...	300
13 Russia -- Activated Carbon Market Environment.....	303
14 Russia -- Activated Carbon Supply & Demand	306
15 Russia -- Activated Carbon Demand by Application & Market	308
16 Other Eastern Europe -- Activated Carbon Market Environment.....	310
17 Other Eastern Europe -- Activated Carbon Supply & Demand.....	313
18 Other Eastern Europe -- Activated Carbon Demand by Application & Market.....	315
19 Africa/Mideast -- Activated Carbon Market Environment.....	317
20 Africa/Mideast -- Activated Carbon Supply & Demand	320
21 Africa/Mideast -- Activated Carbon Demand by Application & Market ...	322

INDUSTRY STRUCTURE

1 World Activated Carbon Sales by Company, 2011	325
2 Selected Cooperative Agreements	336

List of Charts

MARKET ENVIRONMENT

1 World Sweetener Production	25
2 Activated Carbon Industry Flowchart ...	33

WORLD SUPPLY & DEMAND

1 World Activated Carbon Demand by Region, 2001-2021.....	47
2 Difference in Activated Carbon Demand between 2011 & 2016 by Region	47
3 World Activated Carbon Demand -- Projected 2011-2016 Annual Rate of Growth	48
4 World Activated Carbon Capacity by Region, 2011.....	53

WORLD PRODUCT & MARKET OVERVIEW

1 World Activated Carbon Demand by Type, 2011	64
2 World Activated Carbon Demand by Market, 2011	81

NORTH AMERICA

1 North America -- Activated Carbon Demand by Country, 2011	118
---	-----

WESTERN EUROPE

1 Western Europe -- Activated Carbon Demand by Country, 2011	152
--	-----

ASIA/PACIFIC

1 Asia/Pacific -- Activated Carbon Demand by Country, 2011	206
--	-----

INDUSTRY STRUCTURE

1 World Activated Carbon Market Share, 2011.....	326
--	-----

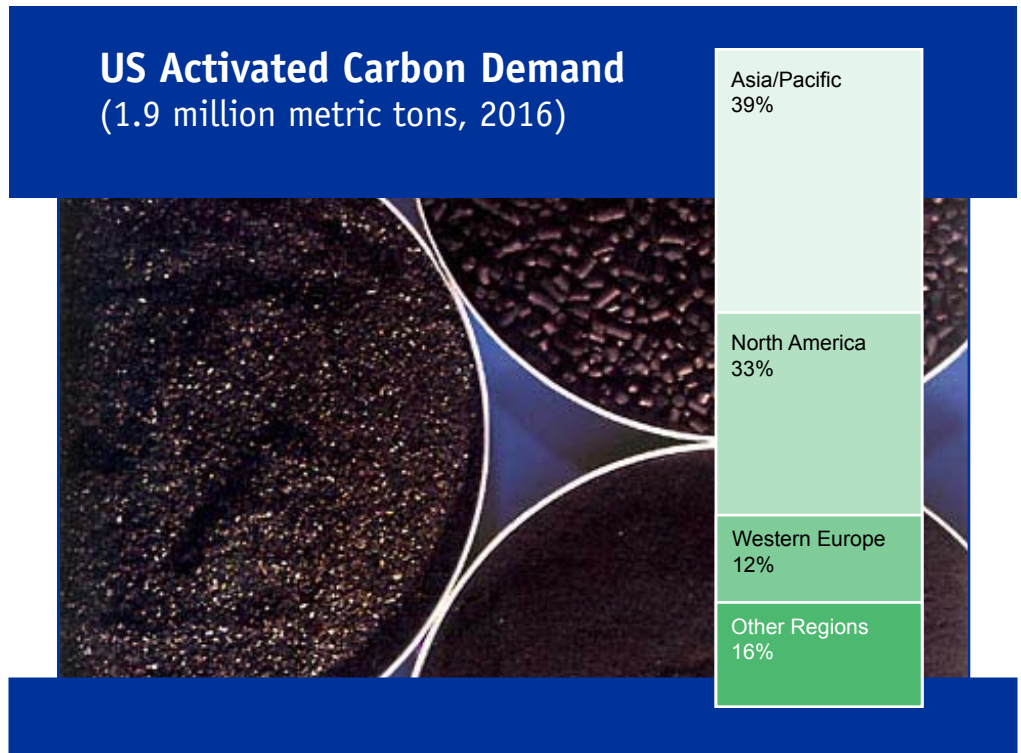
Gains will be driven by more stringent pollution controls in the US and China, and expanding production of edible oils, beverages, and sweeteners in much of the rest of the world.

World demand to advance 10.3% yearly through 2016

World demand for activated carbon is expected to increase more than ten percent per year through 2016 to 1.9 million metric tons. This high rate of growth will be attributable to a number of factors, though regulatory changes in the US will be the largest single driver. China's activated carbon market will also rise rapidly as the country's Twelfth Five-Year Plan (2011-2015) seeks to improve water and air quality in the nation. Expanding production of edible oils, beverages, and sweeteners will stimulate growth in much of the rest of the world, but overall demand will rise more slowly than in the US and China.

New rules to spur world-leading gains in US demand

The US Environmental Protection Agency (EPA) placed into force new Mercury and Air Toxics Standards (MATS) in 2011. These rules require drastic reductions in mercury emitted from coal-fired power plants, industrial boilers, and portland cement kilns, among other sources. Activated carbon is widely accepted to be the most economical and effective method for controlling these emissions, and enormous amounts of activated carbon will be needed to do so. Further regulatory changes, such as the implementation of the EPA's Disinfectants and Disinfection Byproducts Rule in 2012, limit the allowable concentration of a variety of



chemicals in US drinking water. The new rules will spur world-leading growth in US activated carbon demand between 2011 and 2016, with overall sales expected to more than double.

The activated carbon market in China will be driven by more than regulation, and will advance at a slightly lower rate than sales in the US. While implementation of the newest Five-Year Plan will bolster activated carbon use, gains will also come from increasing consumption by industry, as demand for activated carbon rises faster than the world average. The Twelfth Five-Year Plan will also lead to greater use of activated carbon in water treatment and in air purification. Consumption of activated

carbon at the household level in point-of-use tap water filtration systems will also boost demand.

Several other nations will also experience rapid growth. For instance, India is expected to surpass Germany to become the fourth largest market for activated carbon in 2016 (behind Japan), with sales rising on increased food and beverage manufacturing and increased levels of water treatment. Many other nations in the Asia/Pacific region, along with many in Central and South America, Eastern Europe and the Africa/Mideast region, will exceed historical growth levels as industrial, water treatment and food and beverage production markets for activated carbon grow.

Sample Text, Table & Chart

ASIA/PACIFIC

India: Activated Carbon Supply & Demand

The activated carbon market in India was a 7 percent increase between 2006 and 2011 to 1.2 million metric tons, which was above the Asia/Pacific average, with a 5 percent increase for the region. The increase was due to a number of factors, including beverage production, as well as sales in both of these markets. The number of factors.

**SAMPLE
TEXT**

The food and beverage market accounts for the largest portion of India's activated carbon demand. Local governments have supplied drinkable water to the population, and with the growth in bottled water production has increased significantly since 2006. In addition, India's demand for edible oil has climbed at a consistent rate for some time. The nation used to import well over 50 percent of its edible oil needs, though that percentage had declined to 40 percent by 2011. The production of these oils requires activated carbon for decolorization and filtration. Gains in these markets helped to offset a decline in demand from sugar producers, whose output fell somewhat between 2006 and 2011.

Smaller markets have also contributed to growth. India's motor vehicle production has experienced double digit annual growth since 2001. Activated carbon used in these automobiles has risen at a similar rate. Pharmaceutical manufacturing, a perennial growth market in India, has also increased its consumption of activated carbon as manufacturers have continued to focus on the output of high purity drugs.

As in many other industrializing nations, Indian activated carbon consumers favor PAC. Low capital costs, combined with easy access to make PAC popular with a variety of consumers. This product accounted for 76 percent of the activated carbon market in 2011. GAC, which

235

Copyright 2012

TABLE VII-15

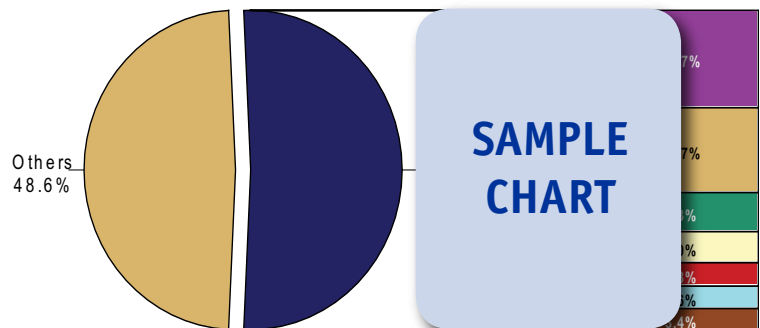
INDIA -- ACTIVATED CARBON DEMAND
BY APPLICATION & MARKET
(thousand metric tons)

Item	2001	2006	2011	2016	2021
Gross Domestic Product (bil 2010\$)					
metric tons AC/bil \$ GDP					
Activated Carbon Demand					
By Application:					
Liquid Phase					
Gas Phase					
By Market:					
Industrial					
Water Treatment					
Food & Beverage					
Motor Vehicle					
Pharmaceutical & Medical					
Other					

**SAMPLE
TABLE**

CHART IX-1

WORLD ACTIVATED CARBON MARKET SHARE, 2011
(\$2.4 billion)



**SAMPLE
CHART**

Sample Profile, Table & Forecast

TABLE VII-14
INDIA -- ACTIVATED CARBON SUPPLY & DEMAND
 (thousand metric tons)

Item	2001	2006	2011	2016	2021
Asia/Pacific Activated Carbon Dmnd	21	27	33	39	45
% India	100	100	100	100	100
Activated Carbon Demand					
Powdered					
Granular					
Other					
- imports					
+ exports					
Activated Carbon Shipments					
Imports as a Percent of Demand					
Exports as a Percent of Shipments	22.0	33.1	33.2	32.9	33.7

**SAMPLE
PROFILE**

**SAMPLE
TABLE**

COMPANY PROFILES

Shanxi Xinhua Chemical Company Limited

No. 71 Xinlan Road
 Taiyuan, Shanxi 030008
 China
 86-351-287-7111
<http://www.sx>

Annual Sales:
 Employment:

Key Products: specialty activated carbon

Shanxi Xinhua Chemical is a manufacturer of activated carbon and related products. Moreover, the Company makes membrane-based filtration systems and components. Shanxi Xinhua Chemical is a state-owned enterprise that is operated by China North Industries Group Corporation.

The Company produces and markets coal-, coconut shell- and wood-based activated carbon in granular, pelletized, powdered and specialty forms under the XINHUA brand name. These products are suitable for a wide range of applications, including water purification, air and gas purification, solvent recovery, odor control in industrial waste gas applications, catalysis, environmental protection, gas masks, decolorization, and desulfurization and denitrification processes.

Shanxi Xinhua Chemical maintains a plant in Taiyuan, Shanxi, China that occupies more than 100,000 square meters of space and has an annual production capacity of 40,000 metric tons. The Company's products are sold to customers in the Asia/Pacific region, Europe, the Africa/Mideast region, North America and South America.

“Shipments of activated carbon from India’s producers are expected to grow at a 14 percent annual rate to 101,800 metric tons in 2016. This pace, faster than the 2006-2011 average, is well above the expected regional activated carbon shipments growth rate for the 2011-2016 period. The trade surplus in India is forecast to increase to 28 percent of total production, reaching 29,000 metric tons in 2016.”

--Section VII, pg. 236

ONLINE: www.freedoniagroup.com

MAIL: Print out and complete the order form and send to The Freedonia Group (see address at the bottom of this form)

PHONE: Call toll free, 800.927.5900 (US) or + 1 440.684.9600

FAX: + 1 440.646.0484 (US)

EMAIL: info@freedoniagroup.com

Free Handling & Shipping

There is NO charge for handling or UPS shipping in the US. Expect delivery in 3 to 5 business days. Outside the US, Freedonia provides free airmail service. Express delivery is available at cost.

Credit Card Orders

For convenience, Freedonia accepts American Express, MasterCard or Visa. Credit card purchases must include account number, expiration date and authorized signature.

Orders Outside of the US

Checks must be made payable in US funds, drawn against a US bank and mailed directly to The Freedonia Group. For wire transfers please contact our customer service department at info@freedoniagroup.com. Credit cards accepted.

Save 15%

If you order three (3) different titles at the same time, you can receive a 15% discount. If your order is accompanied by a check or wire transfer, you may take a 5% cash discount (discounts do not apply to Corporate Use Licenses).

Corporate Use License

Now every decision maker in your organization can act on the key intelligence found in all Freedonia studies. For an additional \$2600, companies receive unlimited use of an electronic version (PDF) of the study. Place it on your intranet, e-mail it to coworkers around the world, or print it as many times as you like,

Click here to learn more about the Corporate Use License

ORDER FORM

F-WEB.-2878

World Activated Carbon..... \$6200

Corporate Use License (add to study price) * + \$2600
Additional Print Copies @ \$600 each *
Total (including selected option) \$

Enclosed is my check (5% discount) drawn on a US bank and payable to The Freedonia Group, Inc., in US funds (Ohio residents add 7.75% sales tax)

Bill my company American Express MasterCard Visa

Credit Card # Expiration Date MM YY

Signature

Name

Title

Company

Division

Street (No PO Box please)

City/State/Zip

Country

Phone Fax

Email

* Please check appropriate option and sign below to order an electronic version of the study.

Corporate Use License Agreement

The above captioned study may be stored on the company's intranet or shared directory, available to company employees. Copies of the study may be made, but the undersigned represents that distribution of the study will be limited to employees of the company.

Signature

Individual Use License Agreement

The undersigned hereby represents that the above captioned study will be used by only individual(s) who are employees of the company and that the study will not be loaded on a network for multiple users. In the event that usage of the study changes, the Company will promptly notify Freedonia of such change and will pay to Freedonia the appropriate fee based on Freedonia's standard fee schedule then in effect. Note: Entire company corporate use license, add \$2600; one additional user, add \$600; two additional users, add \$1200; three additional users, add \$1800.

Signature

OTHER STUDIES

Water Treatment in China

The market for water treatment products in China is expected to grow 10.3 percent annually to 46.6 billion yuan in 2015. The dominant industrial market will offer the best growth opportunities, outpacing the municipal sector. Water treatment chemicals will remain the largest product category, while nonchemical equipment will grow faster. The study analyzes the 28.5 billion yuan water treatment product industry in China, with forecasts for 2015 and 2020 by product and market. The study also evaluates company market share and profiles industry participants.

#2920 September 2012..... \$5400

World Filters

Global demand for filters is projected to increase 7.6 percent annually to \$65.9 billion in 2015. China, India, Indonesia and other countries with large, developing industrial bases and nascent regulatory schemes will see the fastest growth. Manufacturing will be the fastest growing market, while transportation equipment remains the largest. This study analyzes the \$45.6 billion world filter industry, with forecasts for 2015 and 2020 by product, market, world region and for 23 countries. The study also evaluates company market shares and profiles industry players.

#2856 March 2012..... \$6300

Alternative Sweeteners

US demand for alternative sweeteners is expected to advance 3.3 percent annually through 2015 to \$1.4 billion. Gains will be led by relatively new entrants such as the stevia extract reb-A. The more mature products -- high intensity sweeteners (such as aspartame) and polyols (including sorbitol) -- will see more restrained, though still healthy, growth. This study analyzes the \$1.2 billion US alternative sweetener industry, with forecasts for 2015 and 2020 by product and market. The study also evaluates company market share and profiles industry players.

#2819 December 2011 \$4900

Filters

US filter demand is expected to increase 7.1 percent annually through 2015. Gains will be driven in part by ongoing aftermarket sales and the growing penetration of motor vehicle cabin air filters, diesel emissions filters, and home air and water filters. Demand for filters in the industrial and manufacturing market and key motor vehicle market will be among the fastest growing. This study analyzes the \$8.9 billion US filter industry, with forecasts for 2015 and 2020 by medium, product and market. The study also evaluates company market share and profiles industry players.

#2801 November 2011 \$5100

World Water Treatment Products

World demand for water treatment products will rise 6.2 percent annually through 2015. China will remain by far the fastest growing major market. In the US, Japan and Western Europe, gains will favor advanced membrane systems, disinfection and desalination equipment, and industrial wastewater treatment chemicals. This study analyzes the \$48.1 billion world water treatment product industry, with forecasts for 2015 and 2020 by product, market, world region and for 30 countries. The study also evaluates company market share and profiles industry players.

#2802 September 2011..... \$6400

About The Freedonia Group

The Freedonia Group, Inc., is a leading international industry market research company that provides its clients with information and analysis needed to make informed strategic decisions for their businesses. Studies help clients identify business opportunities, develop strategies, make investment decisions and evaluate opportunities and threats. Freedonia research is designed to deliver unbiased views and reliable outlooks to assist clients in making the right decisions. Freedonia capitalizes on the resources of its proprietary in-house research team of experienced economists, professional analysts, industry researchers and editorial groups. Freedonia covers a diverse group of industries throughout the United States, the emerging China market, and other world markets. Industries analyzed by Freedonia include:

- Chemicals • Plastics • Life Sciences • Packaging • Building Materials • Security & Electronics • Industrial Components & Equipment • Automotive & Transportation Equipment • Household Goods • Energy/Power Equipment

[Click here to learn more about Freedonia](#)

Freedonia Custom Research

Freedonia Custom Research delivers the same high quality, thorough and unbiased assessment of an industry or market as an industry study. Since the research initiative is based upon a company's specific needs, companies harness Freedonia's research capabilities and resources to answer unique questions. When you leverage the results of a Freedonia Custom Research engagement, you are able to obtain important answers to specific questions and issues associated with: mergers and acquisitions, new product launches/development, geographic expansion, entry into new markets, strategic business planning, and investment and funding decisions.

Freedonia Custom Research is ideal for companies seeking to make a strategic difference in the status quo and focus on future business growth. Working side by side with clients, Freedonia's team is able to define a research project that is custom-tailored to answer specific questions and provide the basis from which a company can make informed business decisions.

[Click here to learn more about Custom Research](#)



[Click here for complete title list](#)



[Click here to visit freedoniagroup.com](http://www.freedoniagroup.com)