



[CLICK TO VIEW](#)

[Table of Contents 2](#)

[List of Tables & Charts 3](#)

[Study Overview 4](#)

[Sample Text, Table & Chart 5](#)

[Sample Profile, Table & Forecast 6](#)

[Order Form & Corporate Use License 7](#)

[About Freedonia, Custom Research, Related Studies, 8](#)

Abrasives

US Industry Study with Forecasts for **2014 & 2019**

Study #2696 | October 2010 | \$4800 | 308 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
Macroeconomic Trends	5
Consumer Spending	9
Manufacturing Trends	11
Nonresidential Fixed Investment.....	14
Historical Market Trends.....	17
Pricing Trends.....	20
Abrasive Properties	23
Technology & Material Developments	26
Chemical Mechanical Planarization Materials	27
Nanoscale Abrasives.....	28
Sol-Gel Abrasives.....	30
Structured Coated Abrasives	31
New Abrasive Materials.....	31
International Environment.....	32
World Supply & Demand.....	33
Trends in US Foreign Trade	34
Imports.....	36
Exports.....	38

RAW MATERIALS

General	41
Manufactured Abrasive Minerals.....	44
Alumina-Based Materials.....	48
Sol-Gel Materials	49
Alumina-Zirconia.....	50
Fused Alumina.....	51
Fumed Alumina	53
Specialty Silicas	54
Superabrasives	55
Manufactured Diamond.....	57
Cubic Boron Nitride	59
Silicon Carbide.....	61
Other.....	63
Tungsten Carbide.....	64
Boron Carbide & Other	
Manufactured Minerals	65
Natural Abrasive Minerals	65
Silica Sand	68
Garnet	70
Natural Diamond.....	73
Pumice	74
Other.....	76
Staurolite.....	77
Tripoli	78
Emery.....	79
All Other.....	79
Metallic Abrasive Materials	80

PRODUCTS

General	83
---------------	----

Nonmetallic Abrasives.....	85
Coated Abrasives	88
Producers.....	90
Abrasive Materials, Bonds & Applications	91
Forms.....	93
Backing Materials.....	95
Bonded Abrasives	102
Types & Forms	104
Bonding Materials	107
Loose Abrasive Grains & Powders.....	115
Types	117
Applications	126
Metallic Abrasives	128
Steel Wool & Scouring Pads.....	130
Steel & Iron Grit & Shot	132
Other.....	134

MARKETS

General	137
Durable Goods Manufacturing Markets	139
Machinery	142
Machinery Industry Outlook	143
Abrasives Demand	145
Electrical & Electronic Products.....	147
Electrical & Electronic Product	
Industry Outlook.....	148
Abrasives Demand	150
Fabricated Metals	153
Fabricated Metal Industry Outlook	154
Abrasives Demand	155
Nonmetallic Mineral Products.....	158
Nonmetallic Mineral Product	
Industry Outlook.....	159
Abrasives Demand	160
Motor Vehicles	162
Motor Vehicle Industry Outlook	163
Abrasives Demand	165
Primary Metals	167
Primary Metal Industry Outlook	167
Abrasives Demand	169
Furniture & Wood Products.....	171
Furniture & Wood Product	
Industry Outlook.....	172
Abrasives Demand	173
Aerospace & Other Transportation	
Equipment.....	175
Aerospace & Other Transportation	
Industry Outlook.....	176
Abrasives Demand	177
Other Durable Goods	
Manufacturing Markets	179
Cleaning & Maintenance Markets	181
Consumer	184
Commercial.....	185
Government.....	188
Other Abrasives Markets	189
Cosmetics & Toiletries	191
Cosmetic & Toiletry Industry Outlook.....	192
Abrasives Demand	194

Construction	197
Construction Industry Outlook.....	197
Abrasives Demand	201
Resource Extraction & Other Markets.....	203

INDUSTRY STRUCTURE

General	206
Industry Participants	207
Industry Concentration & Market Share.....	210
Competitive Factors.....	213
Manufacturing Considerations	213
Operating Requirements	213
Integration	215
Barriers to Entry	216
Marketing Strategies	217
Price Considerations	218
Customer Service.....	218
Other Marketing Strategies.....	219
Distribution Strategies	221
Research & Development Activity.....	222
Cooperative Agreements	225
Other Competitive Factors.....	228
Acquisitions & Divestitures.....	228

COMPANY PROFILES

Abrasive Technology	233
Ali Industries	236
Almatis GmbH	237
Armaly Brands	239
Bosch (Robert) GmbH.....	241
Cabot Microelectronics.....	243
Church & Dwight.....	246
Clorox Company	247
Dow Chemical.....	249
DuPont (EI) de Nemours.....	252
Ervin Industries	254
Fairmount Minerals.....	255
Fives Group.....	257
Global Material Technologies.....	259
Harsco Corporation.....	260
Henkel AG.....	262
Hermes Schleifmittel	263
Husqvarna AB.....	265
Imerys SA.....	266
Jason Incorporated	269
Katy Industries	272
Klingspor AG	274
Saint-Gobain	277
Sandvik AB	280
Stanley Black & Decker	282
Sunnens Products	284
3M Company	286
TYROLIT Schleifmittelwerke Swarovski	291
United Abrasives.....	294
Vereinigte Schmirgel-und Maschinen-Fabriken	296
Washington Mills North Grafton.....	298
Wheelabrator Allevar.....	300
Other Companies Mentioned in the Study.....	302

List of Tables

EXECUTIVE SUMMARY

1 Summary Table..... 3

MARKET ENVIRONMENT

1 Macroeconomic Indicators 8
 2 Personal Consumption Expenditures11
 3 Manufacturers' Shipments14
 4 Nonresidential Fixed Investment.....17
 5 Abrasives Market, 1999-200919
 6 Abrasives Pricing Deflators22
 7 Hardness of Selected Abrasives.....25
 8 World Abrasives Demand.....34
 9 Abrasives Foreign Trade36
 10 US Abrasives Imports by
 Source, 1999-200937
 11 US Abrasives Exports by
 Destination, 1999-200939

RAW MATERIALS

1 Abrasives Raw Material Demand by Type...43
 2 Manufactured Abrasive Mineral
 Demand by Type46
 3 Alumina-Based Abrasives
 Material Demand.....49
 4 Specialty Silicas Abrasives Demand55
 5 Superabrasives Demand by Type.....56
 6 Manufactured Diamond Abrasives Demand 59
 7 Cubic Boron Nitride Abrasives Demand.....61
 8 Silicon Carbide Abrasives Demand63
 9 Other Manufactured Abrasive
 Mineral Demand.....64
 10 Natural Abrasive Mineral Demand by Type.66
 11 Silica Sand Abrasives Demand70
 12 Garnet Abrasives Demand72
 13 Natural Diamond Abrasives Demand.....74
 14 Pumice Abrasives Demand.....76
 15 Other Natural Abrasive Mineral Demand....77
 16 Metallic Abrasive Material Demand82

PRODUCTS

1 Abrasives Supply & Demand85
 2 Nonmetallic Abrasives Supply & Demand ..87
 3 Coated Abrasives Supply & Demand90
 4 Coated Abrasives Shipments by Form95
 5 Coated Abrasives Shipments
 by Backing Material.....96
 6 Cloth Coated Abrasives Supply & Demand.98
 7 Paper Coated Abrasives
 Supply & Demand..... 100
 8 Combination & Other Coated
 Abrasives Supply & Demand..... 102
 9 Bonded Abrasives Supply & Demand 104

10 Bonded Abrasives Shipments
 by Type & Form 107
 11 Bonded Abrasives Shipments
 by Bonding Material 108
 12 Resinoid Bonded Abrasives
 Supply & Demand..... 110
 13 Vitreous Bonded Abrasives
 Supply & Demand..... 112
 14 Other Bonded Abrasives
 Supply & Demand..... 115
 15 Loose Abrasives Supply & Demand 117
 16 Loose Abrasives Shipments by Type 118
 17 Manufactured Loose Abrasives
 Shipments 119
 18 Natural Loose Abrasives Shipments 126
 19 Metallic Abrasives Supply & Demand..... 129
 20 Steel Wool & Scouring Pad
 Supply & Demand..... 132
 21 Steel & Iron Grit & Shot
 Supply & Demand..... 134
 22 Other Metallic Abrasives
 Supply & Demand..... 136

MARKETS

1 Abrasives Demand by Market 139
 2 Durable Goods Manufacturing
 Abrasives Demand 141
 3 Machinery Shipments 145
 4 Machinery Abrasives Demand..... 147
 5 Electrical & Electronic
 Product Shipments 150
 6 Electrical & Electronic Product
 Abrasives Demand 153
 7 Fabricated Metal Shipments 155
 8 Fabricated Metal Abrasives Demand..... 158
 9 Nonmetallic Mineral Product Shipments . 160
 10 Nonmetallic Mineral Product
 Abrasives Demand 162
 11 Motor Vehicle Indicators..... 165
 12 Motor Vehicle Abrasives Demand..... 167
 13 Primary Metal Shipments 169
 14 Primary Metal Abrasives Demand..... 171
 15 Furniture & Wood Product Shipments..... 173
 16 Furniture & Wood Product
 Abrasives Demand 175
 17 Aerospace & Other Transportation
 Equipment Shipments 177
 18 Aerospace & Other Transportation
 Equipment Abrasives Demand..... 179
 19 Other Durable Goods Manufacturing
 Abrasives Demand 181
 20 Cleaning & Maintenance
 Abrasives Demand 183
 21 Consumer Cleaning & Maintenance
 Abrasives Demand 185
 22 Commercial Cleaning & Maintenance
 Abrasives Demand 187

23 Government Cleaning & Maintenance
 Abrasives Demand 189
 24 Other Abrasives Markets 190
 25 Cosmetic & Toiletry Shipments 194
 26 Cosmetic & Toiletry Abrasives Demand ... 197
 27 Construction Expenditures 201
 28 Construction Abrasives Demand 203
 29 Abrasives Demand in Resource
 Extraction & Other Markets 205

INDUSTRY STRUCTURE

1 US Revenue Data: Selected Abrasives &
 Raw Material Manufacturers, 2009 209
 2 Selected Cooperative Agreements..... 227
 3 Selected Acquisitions & Divestitures..... 231

List of Charts

MARKET ENVIRONMENT

1 Abrasives Market, 2000-200920
 2 Abrasives Pricing Deflators23
 3 US Abrasives Imports by Source, 200938
 4 US Abrasives Exports by
 Destination, 200940

RAW MATERIALS

1 Abrasives Raw Material Demand
 by Type, 1999-201944
 2 Manufactured Abrasive Mineral Demand
 by Type, 2009: Value vs. Volume.....47
 3 Natural Abrasive Mineral Demand
 by Type, 2009: Value vs. Volume.....67

PRODUCTS

1 Nonmetallic Abrasives
 Demand by Type, 2009.....88
 2 Metallic Abrasives Demand, 2009 130

MARKETS

1 Durable Goods Manufacturing
 Abrasives Demand, 2009 142
 2 Cleaning & Maintenance Abrasives
 Demand, 2009 183
 3 Other Abrasives Markets, 2009..... 191

INDUSTRY STRUCTURE

1 US Abrasives Market Share
 by Company, 2009..... 210

[Click here to purchase online](#)

Gains will be driven by a rebound in durable goods manufacturing activity as the economy recovers from the recession, although a moderation in abrasives prices will slow value gains.

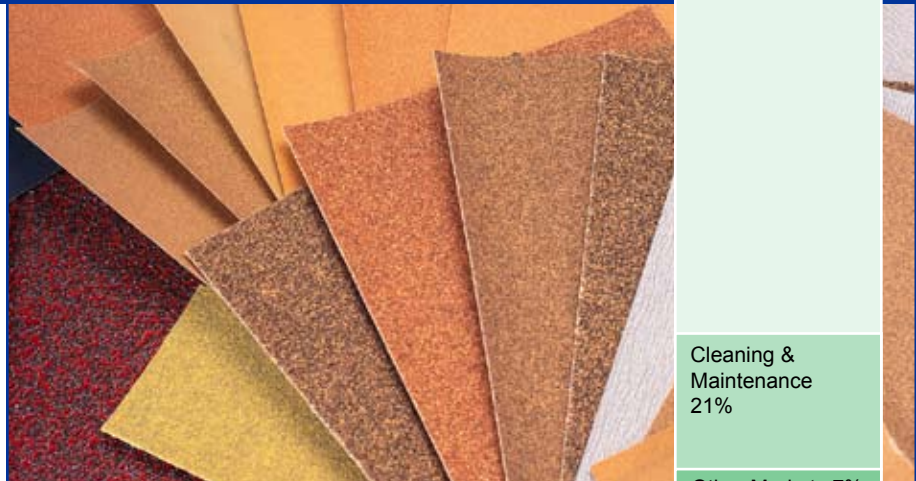
US demand to rise 4% annually through 2014

Demand for abrasives in the US is forecast to increase 4.0 percent per annum through 2014 to \$5.7 billion, with raw material demand reaching \$1.2 billion. Gains will be driven by a rebound in durable goods manufacturing activity as the economy recovers from the sharp slowdown of the 2004-2009 period. However, an expected moderation in abrasives prices through 2014 will hold back value gains to some extent.

Motor vehicle uses to pace key durable goods market

Durable goods manufacturing markets will continue to comprise the majority of abrasives demand through 2014. The US motor vehicle market will offer the best prospects for abrasives as motor vehicle production is expected to post double-digit gains through 2014, coming off of a depressed 2009 base. Abrasives sales in markets such as primary metals and machinery will log solid gains as the economy strengthens and demand for capital equipment and related components increases. Healthy gains are also expected for abrasives in other markets, particularly construction, which will benefit from a recovery in residential construction spending through 2014. Demand increases for abrasives used in cleaning and maintenance applications will be subpar, although expanding government consumption spending will benefit suppliers of abrasives to the government market.

US Abrasives Demand, 2009 (\$4.7 billion)



Nonmetallic abrasives to outperform metallic types

Nonmetallic abrasives are forecast to outperform metallic abrasives through 2014. Demand for nonmetallic abrasives will be supported by strong increases in the use of loose abrasive grains, as well as by a continuing shift in the product mix toward higher-value products such as garnet and manufactured diamond. Coated abrasives will log solid increases, aided by growing use of more costly but better-performing abrasive grains. Consumption of metallic abrasives such as steel wool pads will continue to decline through 2014 as a result of heightened competition from nonwoven and other nonmetallic abrasive products,

especially in consumer cleaning applications.

Manufactured minerals to lead gains in raw materials

Increases in abrasive raw material demand will be led by manufactured minerals, as superabrasives like manufactured diamond and cubic boron nitride continue to be used extensively due to their hardness and superior performance characteristics. These materials offer increased productivity and improved operating efficiency. Demand for natural minerals (e.g., silica sand, pumice) used in abrasive applications will be limited by competition from better-performing manufactured alternatives.

Copyright 2010 The Freedonia Group, Inc.

[Click here to purchase online](#)

Sample Text, Table & Chart

RAW MATERIALS

Specialty Silicas

Demand for specialty silicas used in abrasive applications is expected to rise to 1.0 billion in 2014, with demand reaching 1.5 billion in 2019. Growth in China will be aided by growth in CMP. Specialty silicas are employed in an abrasive pastes for semiconductors. In the ongoing process of pastes, which utilize specialty silicas for the applications, will benefit from the growth in demand.

Specialty silicas are primarily used as loose abrasives in electronics, and cosmetics and toiletries industries. In the electronics industry, silica-based slurries -- which are typically composed of colloidal silica -- are utilized to polish semiconductor substrates, particularly silicon wafers. Silica-based slurries are also increasingly prevalent in the CMP process, which is used in the production of integrated circuit devices (e.g., microprocessors and memory chips). CMP slurry demand is being driven by advances in integrated circuit designs which require ever smaller line widths, spurring demand for specialty silicas. However, heightened use of copper interconnect technology, which tends to use alumina- and ceria-based slurries rather than silica-based varieties, will limit growth to some degree.

In the cosmetics and toiletries market, toothpaste is the most significant application for specialty silicas. These silicas, typically composed of precipitated silica or silica gel, are used as an abrasive polishing agent in cleaning and thickening agent in toothpaste formulations. There are opportunities expected in high-performance toothpastes for treating discoloration, tartar, plaque, sensitivity, gingivitis and other diseases. Specialty silicas are also found in dental floss and toothbrush bristles. Competition from alternative tooth whitening products, such as peroxide-based whitening strips, will restrain demand for whitening toothpastes and associated specialty silicas. Outside of the electronics

54

Copyright 2010

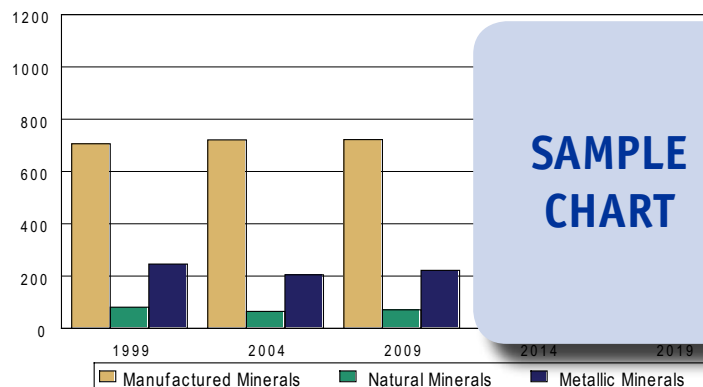
TABLE IV-2

NONMETALLIC ABRASIVES SUPPLY & DEMAND (million dollars)

Item	1999	2004	2009	2014	2019
Durable Goods Shipments (bil \$)	700	750	800	850	900
\$ nonmetal/000\$ durables	17	18	19	20	21
Nonmetallic Abrasive Demand	5	5	5	5	5
Coated	0	0	0	0	0
Bonded	0	0	0	0	0
Loose Grains & Powders	5	5	5	5	5
- imports	5	5	5	5	5
+ exports	0	0	0	0	0
Nonmetallic Abrasive Shipments	0	0	0	0	0
deflator (2005=100)	7	7	7	7	7
Nonmetallic Abrasive Shpts (mil 2005\$)	75	75	75	75	75

CHART III-1

ABRASIVES RAW MATERIAL DEMAND BY TYPE, 1999-2019 (million dollars)



Sample Profile, Table & Forecast

TABLE V-6
ELECTRICAL & ELECTRONIC PRODUCT ABRASIVES DEMAND
 (million dollars)

Item	1999	2004	2009	2014	2019
Electrical/Electronic Prdt Shpts (bil \$) 60					7.5
\$ abrasives/000\$ electrical products					97
Electrical/Electronic Abrasives					50
CMP:					55
Slurries					95
Pads & Slurryless Pads					60
Other:					95
Computers/Peripheral Equipment					63
Electrical Equipment/Appliances					89
Instruments & Other Products					43
% electric & electronic					4.2
Durable Goods Abrasives Demand	38	31	20	21	45.90



COMPANY PROFILES

Armaly Brands Company
 1900 Easy Street
 Walled Lake, MI 48390
 248-669-2100
<http://www.armalybrands.com>

Annual Sales:
 Employment:

Key Products

Armaly I polyester
 sponges and c products. The
 Company is p

The Company entered the US abrasives market in March 2010, when it acquired the BRILLO abrasive steel wool and other cleaning pad product line from Church & Dwight Company Inc. (Princeton, New Jersey). Included in the transaction was a plant in London, Ohio. Armaly Brands plans to expand the North American distribution, and product development and marketing of BRILLO products.

Specific BRILLO pads include STRIP & SHINE types and scratchless all-purpose, OXICLEAN-treated pads. Scratchless all-purpose BRILLO pads are made using polyurethane foam treated with antimicrobial products from AEGIS Environmental Management Inc. (Midland, Michigan). These pads, which resist odor-causing bacteria, are covered with a knitted polyester sleeve and are suitable for kitchen, bathroom and garage applications, as well as for cleaning fruits, vegetables and skin. The Company also makes BRILLO steel wool pads treated with Church & Dwight's OXICLEAN grease-fighting agents. These pads can be used to clean outdoor furniture, car windshields,

239 Copyright 2010 The Freedonia Group, Inc.



“Demand for abrasives in the electrical and electronics segment is forecast to advance 3.0 percent annually to \$625 million in 2014, aided by a rebound in shipments of electrical and electronic products after the declines of the 2004-2009 period. CMP slurries are expected to log the fastest gains, while abrasives used in the production of computers and peripheral equipment will see slight declines.”
 --Section V, pg. 150

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.-2696

Abrasives..... \$4800

- 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 #

MM		YY	

Expiration

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.

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 _____

Signature _____

OTHER STUDIES

Power & Hand Tools

US demand for power and hand tools will rise 4.1% yearly through 2014. Gains will be driven by a rebound in housing starts and ongoing consumer interest in DIY and home remodeling activities. Power tools will continue to outpace hand tools, while professional demand will grow more rapidly than consumer demand. This study analyzes the \$9 billion US power and hand tool industry, with forecasts for 2014 and 2019 by product and market. It also evaluates company market share and profiles industry players.

#2695 November 2010 \$4900

World Specialty Silicas

World specialty silicas demand will rise 6.3% yearly through 2014, driven by growth in key silica markets such as tires, rubber, chemicals and agricultural products. Precipitated silica will remain the dominant product type and lead gains. The Asia/Pacific region will grow at the fastest pace. This study analyzes the two million metric ton world specialty silica industry, with forecasts for 2014 and 2019 by product, market, world region and for 14 countries. It also evaluates company market share and profiles industry participants.

#2644 June 2010 \$5800

World Abrasives

Global abrasives demand will climb 5.9% annually through 2013. Advances in developing parts of Asia and other regions will considerably outpace demand in the US, Western Europe and Japan. Nonmetallic abrasives will remain dominant and grow the fastest, led by loose abrasive grains and powders. This study analyzes the \$28.7 billion world abrasives industry, with forecasts for 2013 and 2018 by product, market, raw material, world region and for 21 countries. It also evaluates company market share and profiles industry players.

#2592 January 2010 \$5800

Metal Finishing Chemicals

US metal finishing chemicals demand will reach \$2.2 billion in 2013, driven in part by more demand for higher-value and safer alternative chemicals. Plating chemicals will remain dominant while the proprietary additives and other chemical segment will grow the fastest. The key transportation equipment market will record the most rapid gains. This study analyzes the US metal finishing chemical industry, with forecasts for 2013 and 2018 by product, substrate and market. It also evaluates market share and profiles industry players.

#2533 July 2009 \$4600

World Power Tools

Global demand for power tools is forecast to rise 3.7% per year through 2013. The US market will provide the best opportunities, reflecting a turnaround in the current housing crisis, continued enthusiasm for do-it-yourself projects and the introduction of improved products, especially cordless electric models. This study analyzes the world power tool industry, with forecasts for 2013 and 2018 by product, market, world region and for 25 countries. It also evaluates market share and profiles industry players.

#2514 June 2009 \$5700

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)