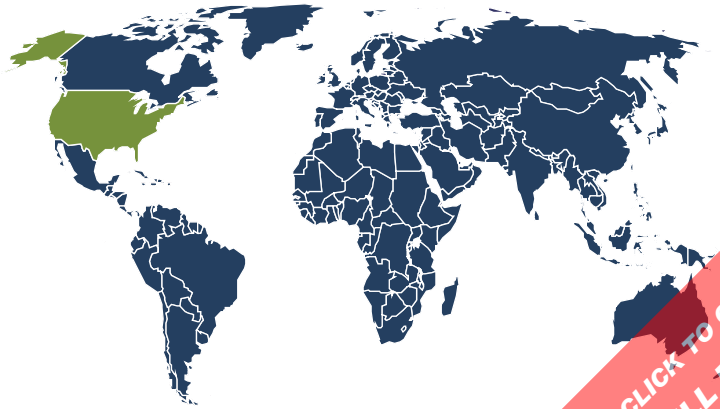




Freedonia Focus Reports
US Collection

Industrial Silica Sand: United States

October 2016



Highlights

Market Environment

Historical Trends | Key Economic Indicators | Environmental and Regulatory Factors
NAFTA Overview

Segmentation and Forecasts

Markets

Industry Structure

Industry Composition and Characteristics | Companies Cited

Resources

CLICK TO ORDER
FULL REPORT
BROCHURE
CLICK TO ORDER
FULL REPORT

ABOUT THIS REPORT

Scope & Method

This report forecasts US industrial silica sand demand and production in metric tons to 2020. Demand is also forecasted to 2020 in US dollars at the manufacturers' level. Total demand in metric tons is segmented by market in terms of:

- hydraulic fracturing
- foundry
- container glass
- flat glass
- other types of glass such as fiberglass, decorative glass, and glass ceramics
- building products
- chemicals
- other markets such as abrasives, recreation, and water filtration.

Both captive silica sand quarried for use within a company's operations (such as for glass manufacturing) and silica sand sold on the open market are covered in the scope of this report. Additionally, the scope of this report encompasses the raw sand component of coated sand. However, the value added from the coating process is excluded. Construction sand, which features lower silica content relative to industrial sand, is excluded from the scope of this report.

To illustrate historical trends, total demand in both volume and value terms, and total production in volume terms, 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

Industrial Silica Sand: United States (FF65031) is based on [World Industrial Silica Sand](#), 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	
212322	Industrial Sand Mining	1446	Industrial Sand
212325	Clay and Ceramic and Refractory Minerals Mining	1459	Clay, Ceramic, and Refractory Minerals, NEC

Copyright & Licensing

The full report is protected by copyright laws of the United States of America and international treaties. The entire contents of the publication are copyrighted by The Freedonia Group.

Table of Contents

Section	Page
About This Report	i
Highlights.....	1
Market Environment	2
Historical Trends	2
Chart 1 US Industrial Silica Sand Demand Trends, 2005-2015 (mil m tons)	2
Key Economic Indicators	3
Table 1 Key Indicators for US Industrial Silica Sand Demand; 2010, 2015, 2020 (2009US\$ bil)....	3
Environmental & Regulatory Factors	4
NAFTA Overview	5
Chart 2 NAFTA Industrial Silica Sand Demand by Country, 2015	5
Segmentation & Forecasts.....	7
Markets	7
Chart 3 US Industrial Silica Sand Demand by Market; 2010, 2015, 2020 (mil m tons).....	7
Chart 4 US Industrial Silica Sand Demand; 2005-2015, 2020 (US\$ mil)	8
Hydraulic Fracturing.....	9
Foundry.....	10
Container Glass.....	11
Flat Glass.....	11
Other Glass Markets.....	12
Building Products.....	12
Chemicals.....	13
Other Markets.....	14
Chart 5 US Industrial Silica Sand Demand by Market Share; 2010, 2015, 2020 (%)	15
Production.....	16
Chart 6 US Industrial Silica Sand Production; 2005-2015, 2020 (mil m tons).....	16
Industry Structure.....	17
Industry Composition & Characteristics	17
Table 2 Leading Suppliers of Industrial Silica Sand to the US Market by Major Brand	17
Companies Cited	21
Resources	22

To return here, click on any Freedonia logo or the Table of Contents link in report footers.
 PDF bookmarks are also available for navigation.

RESOURCES

The Freedonia Group

www.freedoniagroup.com

<i>3469 World Industrial Silica Sand</i> , October 2016	see study contents
Related Industry Studies	
<i>3460 Rigid Bulk Packaging</i> , September 2016	see study contents
<i>3449 World Flat Glass</i> , August 2016	see study contents
<i>3435 World Insulation</i> , July 2016	see study contents
<i>3406 World Wine Packaging: Containers, Closures, & Accessories</i> , July 2016	see study contents
<i>3428 World Abrasives</i> , June 2016	see study contents
<i>3419 Caps & Closures</i> , June 2016	see study contents
<i>3407 World Specialty Silicas</i> , April 2016	see study contents
Related Focus Reports	
<i>Abrasives: United States</i>	see report contents
<i>Cement: United States</i>	see report contents
<i>Crude Petroleum: United States</i>	see report contents
<i>Flat Glass: United States</i>	see report contents
<i>Industrial Castings: United States</i>	see report contents
<i>Natural Gas: United States</i>	see report contents
<i>World Abrasives</i>	see report contents
<i>World Industrial Silica Sand</i>	see report contents
Freedonia Custom Research	see capabilities

Trade Publications

<i>Ceramic Industry</i>	www.ceramicindustry.com
<i>Foundry Management & Technology</i>	www.foundrymag.com
<i>Glass Magazine</i>	www.glassmagazine.com
<i>Global Casting Magazine</i>	www.globalcastingmagazine.com
<i>Industrial Minerals</i>	www.indmin.com
<i>Oil & Gas Journal</i>	www.ogj.com

Agencies & Associations

Container Recycling Institute	www.container-recycling.org
Industrial Minerals Association – North America	www.ima-na.org
National Industrial Sand Association	www.sand.org
United States Census Bureau	www.census.gov
United States Department of Labor	www.dol.gov
Occupational Safety and Health Administration	www.osha.gov
United States Geological Survey	www.usgs.gov
United States International Trade Commission	www.usitc.gov

Environmental Impact. Please consider the environment before printing this report. Freedonia Focus Report collections feature environmentally friendly products distributed entirely via electronic channels.