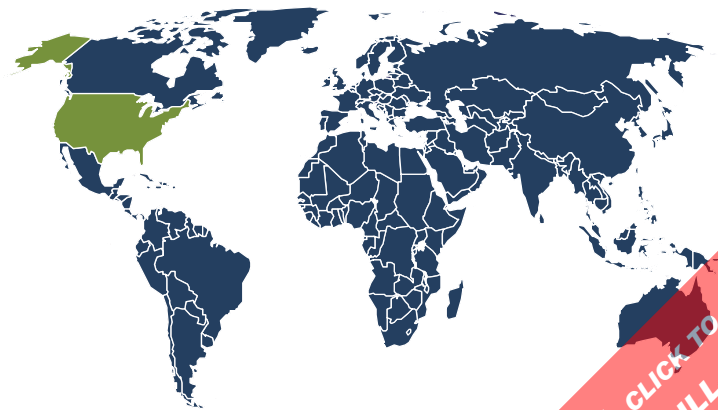




Freedonia Focus Reports  
US Collection

# Biocompatible Materials: United States

December 2014



## Highlights

### Market Environment

Historical Market Size and Trends | Key Economic Indicators | Regulatory Factors

### Demand Segmentation and Forecasts

Products | Applications

### Industry Structure

Industry Composition and Characteristics | Additional Companies Cited

### Resources

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

CLICK TO ORDER  
FULL REPORT  
**BROCHURE**  
CLICK TO ORDER  
FULL REPORT

## ABOUT THIS REPORT

### Scope & Method

This report forecasts US biocompatible materials demand in US dollars at the manufacturers' level to 2018. Total demand is segmented by product in terms of:

- synthetic polymers
- natural polymers
- ceramics
- metals.

Total demand is also segmented by application as follows:

- surgical and medical instruments
- surgical appliances and supplies
- dental products and materials
- drug delivery products
- other applications such as electromedical equipment, diagnostic products, and ophthalmic goods.

To illustrate historical trends, total demand is provided in an annual series from 2003 to 2013; the various segments are reported at five-year intervals for 2008 and 2013.

Forecasts are developed via the identification and analysis of pertinent statistical relationships and other historical trends/events as well as their expected progression/impact over the forecast period. Changes in quantities between reported years of a given total or segment are typically provided in terms of five-year compound annual growth rates (CAGRs). For the sake of brevity, forecasts are generally stated in smoothed CAGR-based descriptions to the forecast year, such as “demand is projected to rise 3.2% annually through 2018.” The result of any particular year over that period, however, may exhibit volatility and depart from a smoothed, long-term trend, as historical data typically illustrate.

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

*Biocompatible Materials: United States* is based on [Biocompatible Materials](#), a comprehensive industry study published by The Freedonia Group in December 2014. 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
- The Freedonia Group Consensus Forecasts dated October 2014
- 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	
325211	Plastics Material and Resin Mfg	2819	Industrial Inorganic Chemicals, Not Elsewhere Classified
327999	All Other Miscellaneous Nonmetallic Mineral Product Mfg	2821	Plastics Materials, Synthetic Resins, and Nonvulcanizable Elastomers
331311	Alumina Refining	3299	Nonmetallic Mineral Products, Not Elsewhere Classified
331491	Nonferrous Metal (except Copper and Aluminum) Rolling, Drawing, and Extruding	3356	Rolling, Drawing, and Extruding of Nonferrous Metals, Except Copper and Aluminum
339113	Surgical Appliance and Supplies Mfg	3842	Orthopedic, Prosthetic, and Surgical Appliances and Supplies
339114	Dental Equipment and Supplies Mfg	3843	Dental Equipment and Supplies

## 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, Inc.

## Table of Contents

Section	Page
About This Report .....	i
Highlights.....	1
Market Environment .....	2
Historical Market Size & Trends .....	2
Chart 1   US Biocompatible Materials Demand Trends, 2003-2013 (US\$ mil) .....	3
Key Economic Indicators .....	4
Table 1   Key Indicators for US Biocompatible Materials Demand; 2008, 2013, 2018 (US\$ bil) .....	4
Regulatory Factors.....	5
Demand Segmentation & Forecasts .....	7
Products .....	7
Chart 2   US Biocompatible Materials Demand by Product; 2008, 2013, 2018 (US\$ mil) .....	7
Synthetic Polymers.....	7
Natural Polymers.....	8
Ceramics.....	9
Metals.....	10
Chart 3   US Biocompatible Materials Demand by Product Share; 2008, 2013, 2018 (%) .....	11
Applications.....	12
Chart 4   US Biocompatible Materials Demand by Application; 2008, 2013, 2018 (US\$ mil) .....	12
Surgical & Medical Instruments.....	12
Surgical Appliances & Supplies.....	14
Dental Products & Materials.....	14
Drug Delivery Systems.....	15
Other Applications.....	15
Chart 5   US Biocompatible Materials Demand by Application Share; 2008, 2013, 2018 (%).....	16
Industry Structure.....	17
Industry Composition & Characteristics .....	17
Company Profile 1   The Dow Chemical Company .....	18
Company Profile 2   BASF SE .....	19
Company Profile 3   PolyOne Corporation .....	20
Additional 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.