



Freedonia Focus Reports
US Collection

Explosives: United States

October 2017



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About This Report

Scope & Method

This report forecasts US explosives demand and shipments in metric tons to 2021. Total demand is segmented by product in terms of:

- blasting agents & oxidizers
- high explosives.

The scope of this report encompasses commercial explosives used for industrial purposes. Consumer pyrotechnics, including fireworks, and explosives for military use are excluded.

Total demand is also segmented by market as follows:

- coal mining
- construction work
- quarrying & nonmetal mining
- metal mining
- other markets such as oil well perforation, explosion welding, and seismic surveying.

To illustrate historical trends, total demand, shipments, and the various segments are provided in annual series from 2006 to 2016.

This report quantifies trends in various measures of growth and volatility. 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. The volatility of datapoints around a least squares growth trend over time is expressed via the coefficient of determination, or r^2 . The most stable data series relative to the trend carries an r^2 value of 1.0; the most volatile – 0.0. 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 with quantified trends. 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

Explosives: United States (FF35018) represents 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 reports and 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

Table 6 | Industry Codes Related to Explosives

NAICS/SCIAN 2007		SIC	
North American Industry Classification System		Standard Industry Codes	
325920	Explosives manufacturing	2892	Explosives

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Resources

The Freedonia Group

Freedonia Industry Studies

Midstream Oil & Gas Equipment, February 2016
World Construction Aggregates, March 2016
World Mining Equipment, November 2015
Oilfield Chemicals, November 2015
Drilling Products & Services, June 2015
World Upstream Oil & Gas Outlook, December 2014

Freedonia Focus Reports

Coal: United States
Fertilizers: United States
Mining & Quarrying: United States
Mining Equipment: United States
Natural Gas: United States
World Mining Equipment

Freedonia Custom Research

Trade Publications

Blasters' Handbook, 18th Edition
Blasting and Fragmentation Journal
Engineering and Mining Journal
Industrial Minerals
Journal of Explosives Engineering
Mining World
Pit and Quarry
The Mining Journal

Agencies & Associations

Institute of Makers of Explosives
International Society of Explosives Engineers
National Demolition Association
National Mining Association
United States Department of Justice
 Bureau of Alcohol, Tobacco, Firearms and Explosives
United States Department of Labor
 Mine Safety and Health Administration
United States Geological Survey