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Drilling Fluids & Chemicals: United States

May 2017



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About This Report

Scope & Method

This report forecasts US drilling fluid demand in gallons and drilling fluid additive demand in US dollars at the end user's level to 2021. Total drilling fluid demand by volume is segmented by type in terms of:

- water-based fluids
- oil-based fluids
- synthetic-based fluids.

For the purposes of this report, chemical sales are valued at the “service company” level, meaning that prices reflect the final cost to the end user, rather than the amount paid to the chemical manufacturer.

Total drilling fluid additive demand by value is segmented by product as follows:

- barite
- polymer viscosifiers
- lost circulation materials
- bentonite
- shale inhibitors
- other products such as lubricants, fluid loss control agents, and emulsifiers.

To illustrate historical trends, total drilling fluid demand by volume and total drilling fluid additive demand by value are provided in annual series from 2006 to 2016; the various segments are reported at five-year intervals for 2006, 2011, and 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.

About This Report

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

Drilling Fluids & Chemicals: United States (FF35112) is based on *Drilling Fluids & Chemicals Market in the US*, a comprehensive industry study published by The Freedonia Group. 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 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 Drilling Fluids & Chemicals

NAICS/SCIAN 2007		SIC	
North American Industry Classification System		Standard Industry Codes	
211111	Crude Petroleum and Natural Gas Extraction	1311	Crude Petroleum and Natural Gas
213111	Drilling Oil and Gas Wells	1381	Drilling Oil and Gas Wells
213112	Support Activities for Oil and Gas Operations	1389	Oil and Gas Field Services, NEC
333132	Oil and Gas Field Machinery and Equipment Mfg	3533	Oil and Gas Field Machinery and Equipment

Source: US Census Bureau

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Resources

The Freedonia Group

Drilling Fluids & Chemicals Market in the US, May 2017

Freedonia Industry Studies

Oklahoma Oil & Gas Drilling Outlook, May 2017

Texas Oil & Gas Drilling Outlook, April 2017

Global Emulsion Polymers Market, November 2016

Specialty Surfactants, August 2016

World Refining Catalysts, August 2016

Natural Polymers, May 2016

Corrosion Inhibitors, April 2016

Midstream Oil & Gas Equipment, February 2016

Proppants in North America, September 2015

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Motor Vehicles: United States

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Journal of Petroleum Technology

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