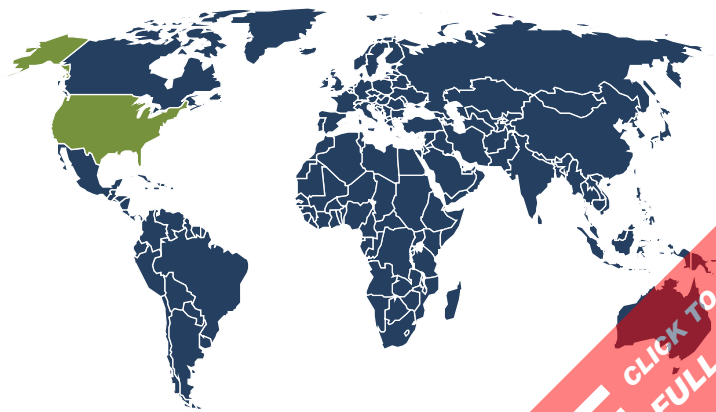




Freedonia Focus Reports  
US Collection

# Ester Solvents: United States

July 2016



## Highlights

### Market Environment

Historical Trends | Key Economic Indicators | Environmental and Regulatory Factors

### Segmentation and Forecasts

Products | Markets

### Industry Structure

Industry Composition and Characteristics | Companies Cited

### Resources

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## ABOUT THIS REPORT

### Scope & Method

This report forecasts US ester solvent demand in pounds and US dollars at the manufacturers' level to 2020. Total demand in pounds and dollars is segmented by product in terms of:

- ethyl acetate
- butyl acetate
- other products such as ethyl lactate, 2-ethylhexyl acetate, and isobutyl isobutyrate.

Total demand in pounds is also segmented by market as follows:

- paint and coatings
- printing inks
- pharmaceuticals
- chemical processing
- other markets such as cleaning products, cosmetics and toiletries, and adhesives and sealants.

To illustrate historical trends, total demand in dollars and pounds is 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

*Ester Solvents: United States* (FF35085) is based on [Solvents](#), a comprehensive industry study published by The Freedonia Group in July 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	
324110	Petroleum Refineries	2865	Cyclic Organic Crudes and Intermediates, and Organic Dyes and Pigments
325110	Petrochemical Mfg	2869	Industrial Organic Chemicals, NEC
325199	All Other Basic Organic Chemical Mfg	2911	Petroleum Refining

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## RESOURCES

### The Freedonia Group

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

<i>3429 Solvents</i> , July 2016	<a href="#">see study contents</a>
Related Industry Studies	
<i>3424 Industrial &amp; Institutional (I&amp;I) Cleaning Chemicals</i> , June 2016	<a href="#">see study contents</a>
<i>3418 World Paint &amp; Coatings</i> , June 2016	<a href="#">see study contents</a>
<i>3377 World Adhesives &amp; Sealants</i> , January 2016	<a href="#">see study contents</a>
<i>3352 Oilfield Chemicals</i> , November 2015	<a href="#">see study contents</a>
<i>3351 World Asphalt (Bitumen)</i> , November 2015	<a href="#">see study contents</a>
<i>3330 Amines</i> , October 2015	<a href="#">see study contents</a>
Related Focus Reports	
<i>Alcohol Solvents: United States</i>	<a href="#">see report contents</a>
<i>Glycol Solvents: United States</i>	<a href="#">see report contents</a>
<i>Hydrocarbon Solvents: United States</i>	<a href="#">see report contents</a>
<i>Industrial &amp; Institutional Cleaning Chemicals: United States</i>	<a href="#">see report contents</a>
<i>Ketone Solvents: United States</i>	<a href="#">see report contents</a>
<i>Paint &amp; Coatings: United States</i>	<a href="#">see report contents</a>
<i>Solvents: United States</i>	<a href="#">see report contents</a>
Freedonia Custom Research	<a href="#">see capabilities</a>

### Trade Publications

<i>Chemical &amp; Engineering News</i>	<a href="http://cen.acs.org">http://cen.acs.org</a>
<i>Coatings World</i>	<a href="http://www.coatingsworld.com">www.coatingsworld.com</a>
<i>Food Quality &amp; Safety</i>	<a href="http://www.foodquality.com">www.foodquality.com</a>
<i>ICIS Chemical Business</i>	<a href="http://www.icis.com">www.icis.com</a>
<i>IHS Chemical Week</i>	<a href="http://www.chemweek.com">www.chemweek.com</a>
<i>Ink World</i>	<a href="http://www.inkworldmagazine.com">www.inkworldmagazine.com</a>
<i>Paint &amp; Coatings Industry</i>	<a href="http://www.pcimag.com">www.pcimag.com</a>

### Agencies & Associations

American Chemistry Council	<a href="http://www.americanchemistry.com">www.americanchemistry.com</a>
American Cleaning Institute	<a href="http://www.cleaninginstitute.org">www.cleaninginstitute.org</a>
American Coatings Association	<a href="http://www.paint.org">www.paint.org</a>
Occupational Safety and Health Administration	<a href="http://www.osha.gov">www.osha.gov</a>
United States Census Bureau	<a href="http://www.census.gov">www.census.gov</a>
United States Environmental Protection Agency	<a href="http://www.epa.gov">www.epa.gov</a>
United States Food and Drug Administration	<a href="http://www.fda.gov">www.fda.gov</a>
United States Green Building Council	<a href="http://www.usgbc.org">www.usgbc.org</a>
United States International Trade Commission	<a href="http://www.usitc.gov">www.usitc.gov</a>

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