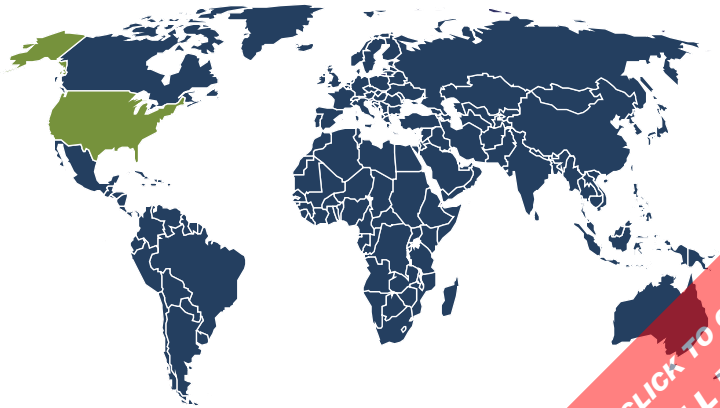




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Refining Catalysts: United States

August 2016



Highlights

Market Environment

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

Segmentation and Forecasts

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Industry Composition and Characteristics | Companies Cited

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ABOUT THIS REPORT

Scope & Method

This report forecasts US refining catalyst demand in US dollars at the manufacturers' level and in metric tons to 2020. Total demand in dollars is segmented by material in terms of:

- zeolites
- metals
- acids.

Sales also include “captive sales”, or, catalysts produced by a given company and used by that same company.

Total demand in dollars is also segmented by application as follows:

- fluid catalytic cracking
- hydroprocessing
- alkylation
- reforming
- other applications such as isomerization, oligomerization, and propane dehydrogenation.

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

Refining Catalysts: United States (FF35078) is based on [World Refining Catalysts](#), a

comprehensive industry study published by The Freedonia Group in August 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	2819	Industrial Inorganic Chemicals, NEC
325110	Petrochemical Mfg	2821	Plastics Materials, Synthetic Resins, and Nonvulcanizable Elastomers
325188	All Other Basic Inorganic Chemical Mfg	2865	Cyclic Organic Crudes and Intermediates, and Organic Dyes and Pigments
325192	Cyclic Crude and Intermediate Mfg	2869	Industrial Organic Chemicals, NEC
325199	All Other Basic Organic Chemical Mfg	2899	Chemicals and Chemical Preparations, NEC
325211	Plastics Material and Resin Mfg	2911	Petroleum Refining
325998	All Other Miscellaneous Chemical Product and Preparation Mfg		

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RESOURCES

The Freedonia Group

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<i>3444 World Refining Catalysts</i> , August 2016	see study contents
Related Industry Studies	
<i>3424 Industrial & Institutional (I&I) Cleaning Chemicals</i> , June 2016	see study contents
<i>3394 Lubricants</i> , April 2016	see study contents
<i>3364 World Lubricants</i> , December 2015	see study contents
<i>3349 World Rare Earths</i> , November 2015	see study contents
<i>3322 Water Treatment Chemicals</i> , July 2015	see study contents
<i>3285 Enzymes</i> , May 2015	see study contents
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<i>Refined Petroleum Products: United States</i>	see report contents
<i>World Catalysts</i>	see report contents
<i>World Refining Catalysts</i>	see report contents
Freedonia Custom Research	see capabilities

Trade Publications

<i>Chemical & Engineering News</i>	http://cen.acs.org
<i>Hydrocarbon Processing</i>	www.hydrocarbonprocessing.com
<i>ICIS Chemical Business</i>	www.icis.com
<i>IHS Chemical Week</i>	www.chemweek.com
<i>Oil & Gas Journal</i>	www.ogj.com
<i>Petroleum Economist</i>	www.petroleum-economist.com
<i>Pipeline & Gas Journal</i>	www.pgjonline.com

Agencies & Associations

American Chemical Society	www.acs.org
American Fuel & Petrochemical Manufacturers	www.afpm.org
American Petroleum Institute	www.api.org
Independent Petroleum Association of America	www.ipaa.org
International Council of Chemical Associations	www.icca-chem.org
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