

Freedonia Focus Reports
World Collection



World Catalysts

December 2014



Highlights

World Overview and Forecasts
Demand by Material | Demand by Market

Regional Trends and Forecasts
Regional Demand Overview | North America | Western Europe | Asia/Pacific
Other Regions

Industry Structure
Industry Composition and Characteristics | Additional Companies Cited

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ABOUT THIS REPORT

Scope & Method

This report forecasts total world demand in 2018 for catalysts by material, market, and major world region in US dollars at the manufacturer's level and in metric tons. Material segments include:

- metals
- organometallics
- chemicals
- zeolites
- enzymes and other materials such as biocatalysts.

Excluded from the scope of this report are environmental catalysts, that is, automotive and other catalysts designed to reduce air and water emissions.

Reported markets encompass:

- chemical synthesis
- petroleum refining
- polymerization.

Major world regions include North America, Western Europe, Asia/Pacific, and all other regions. Demand by market segment in US dollars and metric tons is also forecast for each major world region.

To illustrate historical trends world, material, market, and regional demand (including market segments in US dollars and metric tons) are provided for 2008 and 2013. Further, regional demand in US dollars is segmented by market for 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.

Demand is determined in volume terms. Value demand is then calculated based on volume demand and average price levels, which are indexed to the US price based on 2013 currency exchange rates. This results in value demand for all years being expressed at 2013 exchange rates, with no further adjustment made for varying

exchange rates over time. Projected demand in value terms for future time periods thus assumes constant future exchange rates.

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

World Catalysts is based on [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 June 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	
324110	Petroleum Refineries	2819	Industrial Inorganic Chemicals, NEC
325188	All Other Basic Inorganic Chemical Mfg	2821	Plastics Materials, Synthetic Resins, and Nonvulcanizable Elastomers
325199	All Other Basic Organic Chemical Mfg		
325211	Plastics Material and Resin Mfg	2869	Industrial Organic Chemicals, NEC
325998	All Other Miscellaneous Chemical Product and Preparation Mfg	2899	Chemicals and Chemical Preparations, NEC
		2911	Petroleum Refining

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