

# Global Ceria–zirconia Mixed Oxide Catalyst Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

<https://marketpublishers.com/r/GB49D6240350EN.html>

Date: June 2026

Pages: 99

Price: US\$ 3,480.00 (Single User License)

ID: GB49D6240350EN

## Abstracts

According to our (Global Info Research) latest study, the global Ceria–zirconia Mixed Oxide Catalyst market size was valued at US\$ 185 million in 2025 and is forecast to a readjusted size of US\$ 249 million by 2032 with a CAGR of 4.4% during review period.

In 2025, global Ceria–zirconia Mixed Oxide Catalyst production reached approximately 9,900 tons, with an average global market price of around US\$18.2 per kilogram. Ceria–zirconia mixed oxide catalyst is a functional Ce-Zr oxide material based primarily on cerium oxide and zirconium oxide, typically produced through co-precipitation, hydrothermal, sol-gel or other mixed-oxide synthesis routes. It can be further doped with rare earth elements such as lanthanum, neodymium, praseodymium or yttrium to improve thermal stability, oxygen storage and release capacity, anti-sintering performance and aged surface area. The material is mainly supplied as powder, granules or dispersions for automotive emission-control catalysts, industrial exhaust-gas catalysts and other redox catalytic systems.

The global ceria-zirconia mixed oxide catalyst market is primarily driven by the continuous tightening of motor vehicle exhaust emission regulations worldwide, with the upgrading of policy standards directly promoting the continuous improvement of product performance requirements. Higher pollutant conversion efficiency, superior high-temperature thermal stability and longer service life become key elements of product competition, prompting the industry to continuously carry out technological iteration and production process optimization. The supply pattern of cerium and zirconium raw materials shows significant concentration characteristics, with geopolitical factors and resource export control policies jointly affecting supply chain stability. Raw material price fluctuations and supply interruption risks have an important impact on industry

operation. Industry R&D activities mainly focus on optimizing element ratios, introducing doping elements to improve oxygen storage performance, reducing cerium usage and developing efficient recycling technologies, while exploring new formulas to alleviate dependence on key raw materials. The expansion of the hybrid electric vehicle market brings sustained demand growth for the industry, and the traditional fuel vehicle market will still constitute the basic demand plate in a long period. The steady growth of motor vehicle ownership in emerging markets becomes an important support for global demand growth. The industry has high technical and process barriers, with deep binding between upstream and downstream of the industrial chain, and regional supply chain layout becomes an important development direction of the industry.

This report is a detailed and comprehensive analysis for global Ceria–zirconia Mixed Oxide Catalyst market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

#### Key Features:

Global Ceria–zirconia Mixed Oxide Catalyst market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Kg), 2021-2032

Global Ceria–zirconia Mixed Oxide Catalyst market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Kg), 2021-2032

Global Ceria–zirconia Mixed Oxide Catalyst market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Kg), 2021-2032

Global Ceria–zirconia Mixed Oxide Catalyst market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/Kg), 2021-2026

#### The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Ceria–zirconia Mixed Oxide Catalyst

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Ceria–zirconia Mixed Oxide Catalyst market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Solvay, DKKK, Neo Performance Materials, Luxfer MEL Technologies, PIDC, Inner Mongolia Baotou Steel Rare-earth, Sinocera Functional Material, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

## Market Segmentation

Ceria–zirconia Mixed Oxide Catalyst market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

### Market segment by Type

High Zirconium Content (Zirconium Compound ?50%)

High Cerium Content (Cerium Compound ?50%)

Balanced Ce-Zr

### Market segment by Shape

Powders / Granules

Slurries / Dispersions

## Market segment by Carrier

Standard Type

Alumina-Supported

## Market segment by Application

Automotive Exhaust Purification

Industrial Catalysis

Others

## Major players covered

Solvay

DKKK

Neo Performance Materials

Luxfer MEL Technologies

PIDC

Inner Mongolia Baotou Steel Rare-earth

Sinocera Functional Material

## Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Ceria–zirconia Mixed Oxide Catalyst product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Ceria–zirconia Mixed Oxide Catalyst, with price, sales quantity, revenue, and global market share of Ceria–zirconia Mixed Oxide Catalyst from 2021 to 2026.

Chapter 3, the Ceria–zirconia Mixed Oxide Catalyst competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Ceria–zirconia Mixed Oxide Catalyst breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Ceria–zirconia Mixed Oxide Catalyst market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of

Ceria–zirconia Mixed Oxide Catalyst.

Chapter 14 and 15, to describe Ceria–zirconia Mixed Oxide Catalyst sales channel, distributors, customers, research findings and conclusion.

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