

# Global Zeolites Market Research Report 2021-2025

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## Abstracts

Zeolite is a crystalline, microporous aluminosilicate. Zeolites are a group of hydrated aluminosilicates of alkali or alkaline earth metals, generally of three-dimensional crystalline frameworks of tetrahedral structures like lithium, barium, sodium, potassium, calcium, and magnesium. Zeolite occurs naturally from volcanic rocks and ash layers react with alkaline groundwater. It can be produced industrially on a large scale using raw materials such as alumina, silica and sodium hydroxide. Zeolite found a wide range of applications in a host of industries including, water treatment, refinery, nuclear, biogas, detergents, construction, medical, agriculture, etc.

The global Zeolites market was estimated at USD\$ 15.21 billion in 2016, and is anticipated to reach USD\$ 18.06 billion by 2021, expanding at a CAGR of 3.5% between 2017 and 2021. One of the primary drivers for this market is the growing use of zeolite as refrigeration adsorbents owing to their non-flammable non-poisonous nature and natural availability. Zeolites are generally used as cooling agents in the refrigeration adsorption systems. Adsorption refrigeration systems are gaining popularity because they can be stimulated by low thermal energy. Also, these systems make use of refrigerants that do not emit chlorofluorocarbons (CFCs). The growing need for refrigeration for food preservation purposes will augment the demand for zeolite-based adsorption refrigeration systems during the forecast period.

Natural zeolites account for nearly 60% of the total consumption of zeolites; synthetic zeolites account for the remainder. Synthetic zeolites are used mainly as detergent builders, catalysts, and absorbents/desiccants, while natural zeolites are used for feed additives, soil amendment, water treatment, environmental uses, and construction. The largest-volume use for synthetic zeolites is as a builder in home laundry detergent, accounting for more than two-thirds of the total.

Natural zeolites include minerals capable of ion exchange, such as clinoptilolite,

chabazite, and mordenite. China is the largest producer of natural zeolites, with nearly 69% of global production in 2016, followed by South Korea, Turkey, and Japan. Other than the large volumes in these countries, world production is highly decentralized. The largest end use for natural zeolites is as a cement additive, to produce a slower-hardening and stronger product. Other major end uses are as a nutrient-release agent in soil conditioners, in animal feeds, and as an odor control agent in animal litter. Consumption of natural zeolites is forecast to be flat during 2016–2021.

Zeolites Report by Material, and Geography – Global Forecast to 2025 is a professional and comprehensive research report on the world's major regional market conditions, focusing on the main regions (North America, Europe and Asia-Pacific) and the main countries (United States, Germany, United Kingdom, Japan, South Korea and China).

The report firstly introduced the Zeolites basics: definitions, classifications, applications and market overview; product specifications; manufacturing processes; cost structures, raw materials and so on. Then it analyzed the world's main region market conditions, including the product price, profit, capacity, production, supply, demand and market growth rate and forecast etc. In the end, the report introduced new project SWOT analysis, investment feasibility analysis, and investment return analysis.

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