

# Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) Enzyme for Pulp & Paper Market 2018, Forecast to 2023

<https://marketpublishers.com/r/G4BE3E23B45EN.html>

Date: July 2018

Pages: 150

Price: US\$ 4,880.00 (Single User License)

ID: G4BE3E23B45EN

## Abstracts

Enzyme for Pulp & Paper is a class of enzymes that used in pulp and paper industry for reduction of energy consumption, reduction cost, improving pulp and paper quality etc.

### Scope of the Report:

This report focuses on the Enzyme for Pulp & Paper in global market, especially in North America, Europe and Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application. The research group obtained the following conclusions after several months' survey and research:

First, the global market of enzyme for pulp & paper industry are growing steady, along with the growing pulp & paper industry also demand for environment protection and cost down pressure is essential for further development.

Second, the enzyme for pulp & paper industry concentration is high; there are a few major manufacturers accounting for the majority share of the enzyme for pulp & paper industry, such as Novozymes, AB Enzymes and DuPont(Genencor and Dyadic ).

Third, giant manufactures mainly distribute in America and Europe. America has a long history and unshakable status in this industry, like Buckman and Dyadic, both have perfect products. As to Denmark, the Novozymes has become a global leader. In Germany, it is AB Enzymes that leads the technology development. In China, the manufacturers focus in Guangdong, and Shandong province.

Forth, some companies have several plants, usually close to aimed consumption market. There are international companies setting up factories in China too, such as Denykem.

Fifth, all manufactures in the world are committed to the improvement of product. These two years, some Chinese manufacturers can almost catch up with the world's leading technology too.

Sixth, this industry is affected by the economy and policy, so it's important to put an eye to economic indexes and leaders' prefer. With the global economic recovery, more and more people pay attention to rising environment standards, especially in underdevelopment regions that have a large population and fast economic growth, the need of enzyme for pulp & paper will increase.

Seventh, the global enzyme for pulp & paper production will increase to 4788 MT in 2015, from 3690 MT in 2011, it is estimated that the global enzyme for pulp & paper demand will develop with an average growth rate of 5.6% in the coming five years.

We tend to believe this industry now is close to mature, and the consumption increasing degree will show a smooth curve. On product prices, the slow downward trend in recent years will maintain in the future, as competition intensifies, prices gap between different brands will go narrowing. Similarly, there will be fluctuation in gross margin.

The worldwide market for Enzyme for Pulp & Paper is expected to grow at a CAGR of roughly 4.4% over the next five years, will reach 95 million US\$ in 2023, from 73 million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

Novozymes

DuPont (Genencor and Dyadic)

ABF Ingredients (AB Enzymes)

BASF (Verenium)

Buckman

Enzymatic Deinking Technologies

Denykem

Metgen

Advanced Enzymes

Anil Bioplus

Leveking

Sukehan

Kdnbio

Yiduoli

Youtellbio

Market Segment by Regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia and Italy)

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

South America (Brazil, Argentina, Colombia etc.)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

Amylase

Cellulase

Xylanase

Lipase

Other

Market Segment by Applications, can be divided into

Bleach boosting

Deinking

Product modification

Other Use

There are 15 Chapters to deeply display the global Enzyme for Pulp & Paper market.

Chapter 1, to describe Enzyme for Pulp & Paper Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of Enzyme for Pulp & Paper, with sales, revenue, and price of Enzyme for Pulp & Paper, in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;

Chapter 4, to show the global market by regions, with sales, revenue and market share of Enzyme for Pulp & Paper, for each region, from 2013 to 2018;

Chapter 5, 6, 7, 8 and 9, to analyze the market by countries, by type, by application and by manufacturers, with sales, revenue and market share by key countries in these regions;

Chapter 10 and 11, to show the market by type and application, with sales market share and growth rate by type, application, from 2013 to 2018;

Chapter 12, Enzyme for Pulp & Paper market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe Enzyme for Pulp & Paper sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data

source

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