

# **Bioadhesives Market- Global Industry Size, Share, Trends, Opportunity, and Forecast, 2018-2028 Segmented By Source (Plant Based v/s Animal Based), By Application (Paper & Packaging, Construction, Woodworking, Personal Care, Medical, Others), By Region and Competition**

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## **Abstracts**

Global bioadhesives market is anticipated to increase at an impressive rate through 2028. Bioadhesives are natural polymers with an enclosed molecular composition that doesn't allow infiltration between the binding and acts as biological intermediates. The primary use of the component is to make two surfaces stick together, which can't be alienated easily. The increasing awareness among the population worldwide pertaining to different kinds of environmental concerns has led to a paradigm shift towards bio-based products. Additionally, governments across the globe are formulating policies supporting the role of bio-based products, thereby creating lucrative opportunities for the growth of global bioadhesives market in the coming years.

There is enormous demand for bioadhesives such as polyacrylic acid, cyanoacrylates, and chitosan from diverse industries, which they use to produce desired goods. The primary application of Bioadhesives is door and window assembly, construction material, vehicle parts, the HVAC industry, prefabricated houses, packaging, the woodwork industry, and other works. According to TechSci research reports, the global market value of adhesives in 2020 was 44.37 billion US dollars and is expected to reach 65.1 billion US dollars in 2028. Therefore, the globally rising demand for Bioadhesives in the market is expected to increase rapidly owing to the population and environmentally friendly substitute of synthetic adhesives.

## Growing Demand Medical Sector for Treatment Purposes

Bioadhesives are highly demandable products by surgeons during surgeries as a replacement for surgical sutures. Bioadhesives are polymeric materials made up of sugar, gelatine, starch, and organic tissue to provide liquid adhesive-like properties that make them environment-friendly and effective medical adhesives. According to the report published in 2022 by the National Centre for Biotechnology Information, USA, almost 310 million major surgeries are performed each year worldwide. As the number of chronic diseases and accidental cases is rising, the increasing trend is expected to propel the Bioadhesives market in the projected period.

## Rising Demand from Different Industries

The diverse use of bioadhesives in various end-user industries is expected to positively influence market growth. For instance, the global automotive industry is expected to reach 3.8 trillion US dollars from automobile sales by 2030. Thus, rising demand for manufacturing of automobile parts like joining seats, spoilers, tailgates, side skirts, bumpers, headlights, and dashboards where bioadhesive is needed, is expected to propel the market growth. Besides these, the growing use of biobased adhesives in construction activities as a substitute for oriented strand boards is further expected to support the market growth. In the stationery and printing sector, polylactic acid (PLA), polyhydroxy alkenoate (PHA), starch, chitosan, and polysaccharides are used as barrier coatings on paper packaging applications is further expected to increase the demand for bioadhesives in the coming years, thereby supporting the market growth. All these factors are expected to propel the growth of the bioadhesive market in the forecasted period.

## Biotechnological Innovation Efforts

Many firms are signing or collaborating with foreign firms to increase access to innovative products and technology. Mergers and acquisition support firms use the proficiency of each other firm and earn more revenue deprived of extra focus, extra time, and effort. The advancement in the biotechnology industries will encourage the utilization of naturally originated adhesives and provide solutions for climate change, environmental pollution, and scarcity of resources. These enhancements in the natural properties will propel the demand for bio adhesives in different industries.

## Mergers & Acquisitions

In September 2022, Henkel AG completely acquired the Boston-based advanced materials start-up NBD Nanotechnologies Inc. This acquisition helps Henkel to fortify its presence in its adhesive technologies business unit in functional coatings. Through this acquisition, Henkel is planning to enhance fingerprint visibility for glass and impart stain repellency for plastics, textiles, and other materials.

## Market Segmentation

Global bioadhesives market is segmented based on source and application. Based on source type, the market is split into plant-based and animal-based. Based on application, the market is divided into paper & packaging, construction, woodworking, personal care, medical, and others.

## Market Players

Henkel AG, Bostik SA, Ashland Global Holdings Inc., Jowat SE, Ingredion, Inc., EcoSynthetix Inc., Tate & Lyle PLC, Dow Chemical Company, 3M Company, Bioadhesive Alliance Inc. are some of the key players operating in the global bioadhesives market.

## Report Scope:

In this report, global bioadhesives market has been segmented into the following categories, in addition to the industry trends, which have also been detailed below:

### Bioadhesives Market, By Source:

Plant-Based

Animal Based

### Bioadhesives Market, By Application:

Paper & Packaging

Construction

Woodworking

Personal Care

Medical

Others

### Bioadhesives Market, By Region:

North America

United States

Canada

Mexico

Europe

Germany

France

United Kingdom

Spain

Italy

Asia-Pacific

China

India

Malaysia

Australia

Japan

## South America

Brazil

Argentina

Colombia

## Middle East & Africa

South Africa

Saudi Arabia

UAE

Egypt

Turkey

## Competitive Landscape

**Company Profiles:** Detailed analysis of the major companies present in global bioadhesives market.

## Available Customizations:

With the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

## Company Information

Detailed analysis and profiling of additional market players (up to five).

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