

Global Liquid Adhesives Market Size Study, by Formulation (Water-based, Solvent-based, Others), by Substrate (Paper, Plastic, Glass, Wood, Others), by End-User Industry (Automotive & Transportation, Building & Construction, Electronics, Packaging, Medical, Others) and Regional Forecasts 2024-2032

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Abstracts

Global Liquid Adhesives Market is valued at approximately USD 38.3 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 4.0% over the forecast period 2024-2032. Liquid adhesives are substances in a fluid state used to bond materials together. They come in various formulations, including water-based, solvent-based, and reactive types. These adhesives are typically applied in liquid form and then allowed to cure or dry, forming a strong bond between surfaces. Liquid adhesives are versatile and can be used for a wide range of materials, including paper, wood, metal, plastic, and fabric. They are commonly used in industries such as construction, automotive, electronics, and crafts.

The expansion of end-use industries such as automotive, construction, packaging, and electronics drives the demand for liquid adhesives. In the automotive sector, liquid adhesives are used for bonding components, reducing weight, and enhancing structural integrity. Similarly, in construction, liquid adhesives are essential for bonding various materials, including glass, metal, and composites, contributing to the development of modern architectural designs. Moreover, continuous advancements in formulation technology have led to the development of high-performance liquid adhesives with superior bonding characteristics. Manufacturers are investing in R&D to create adhesives that offer enhanced strength, durability, and resistance to environmental factors such as temperature variations and chemical exposure. These innovations drive



market growth by expanding the applicability of liquid adhesives across diverse industries.

Growing environmental concerns and regulatory pressures are prompting industries to adopt environmentally friendly adhesive solutions. Liquid adhesives formulated with low volatile organic compounds (VOCs) and eco-friendly ingredients are gaining traction in the market. Manufacturers are focusing on sustainability by developing adhesives that minimize environmental impact without compromising performance, thus catering to the demand for green alternatives. However, regulatory frameworks play a pivotal role in shaping the liquid adhesive market. Adhesives often contain VOCs and hazardous chemicals, leading to environmental and health concerns. Stringent regulations, such as REACH in the European Union and EPA guidelines in the U.S., impose restrictions on the use of certain chemicals, limiting the formulation options for adhesive manufacturers. Compliance with these regulations necessitates extensive testing, certification, and reformulation, increasing production costs and time-to-market for new adhesive products.

One of the primary opportunities in the liquid adhesive market lies in the integration of advanced materials. Industries such as automotive, aerospace, electronics, and healthcare are increasingly adopting lightweight materials, composites, and engineered plastics to enhance performance and efficiency. Liquid adhesives play a crucial role in bonding these advanced materials due to their ability to provide strong, durable bonds while accommodating the unique characteristics of these substrates. Thus, the increasing demand for advanced materials may rise the demand for liquid adhesives used for bonding various substrates which in turn may create lucrative opportunities for the liquid adhesives market. Also, the liquid adhesive industry is witnessing rapid technological advancements aimed at enhancing adhesive performance, efficiency, and versatility. Innovations such as smart adhesives with self-healing properties, bio-based adhesives derived from renewable sources, and nanotechnology-enhanced formulations are opening new opportunities for adhesive manufacturers. These technological developments address current industry challenges and pave the way for the development of next-generation adhesive solutions capable of meeting evolving customer demands.

The key regions considered for the Global Liquid Adhesives Market study include Asia Pacific, North America, Europe, Latin America, and the Middle East & Africa. The Asia-Pacific liquid adhesives market size is projected to grow at the highest CAGR during the forecast period and accounted for leading market share in 2023. The automotive industry in the APAC region is one of the largest and fastest-growing markets globally,



driven by increasing vehicle production, rising disposable incomes, and expanding transportation infrastructure. Liquid adhesives are widely used in automotive manufacturing for bonding lightweight materials, sealing components, assembling interior and exterior parts, and enhancing vehicle performance, safety, and aesthetics. Furthermore, the APAC region is a major hub for electronics manufacturing, with countries such as China, Japan, South Korea, and Taiwan leading the production of smartphones, computers, consumer electronics, and semiconductor devices. Liquid adhesives are essential for electronic assembly, packaging, and component bonding, providing reliable and durable connections in devices such as smartphones, tablets, wearables, and automotive electronics. Furthermore, Europe is accounted as a significantly growing region over the anticipated years owing to the continuous advancements in formulation technology.

Major market players included in this report are:

3M Company

Avery Dennison Corporation

Beardow Adams

Bostik SA

DIC Corporation

Dow Inc.

H.B. Fuller Company

Henkel AG & Co. KGaA

Huntsman Corporation

Pidilite Industries Ltd.

DUNLOP INDUSTRIAL PRODUCTS PRIVATE LIMITED

Sundeep Chalks Mfg. Co.



Astral Adhesives

Ellsworth Adhesives India PTY Limited

INNOMAX INDUSTRIES

The detailed segments and sub-segment of the market are explained below:

By Formulation:

Water-based

Solvent-based

Others

By Substrate:

Paper

Plastic

Glass

Wood

Others

By End-User Industry:

Automotive & Transportation

Building & Construction

Electronics

Packaging



Medical

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia



South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

RoMEA

Years considered for the study are as follows:

Historical year - 2022

Base year - 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.



Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.



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