

UV Curable Resins Market Report by Resin Type (Acrylated Epoxies, Acrylated Polyesters, Acrylated Urethanes, Acrylated Silicones, and Others), Composition (Monomers, Oligomers, Photoinitiators, and Others), Application (Coating, Packaging, Printing, Adhesives and Sealants, and Others), and Region 2024-2032

Market Report | 2024-08-10 | 136 pages | IMARC Group

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Report description:

The global UV curable resins market size reached US\$ 6.2 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 13.4 Billion by 2032, exhibiting a growth rate (CAGR) of 8.6% during 2024-2032.

Ultraviolet (UV) curable resins are non-solvent materials polymerized by the energy radiated from UV irradiation devices. They mainly comprise oligomers, co-initiators, photopolymerization initiators, monomers, and additives like stabilizers, antioxidants, plasticizers, and pigments. They have many advantages over conventional cures, such as reduced waste, less energy consumption and equipment space, low emission, high productivity, and minimal temperature treatment. In addition, as they do not contain organic solvents that have an adverse effect on the environment, UV curable resins are widely utilized as industrial materials in the pharmaceutical and food and beverage (F&B) industries for sealing, bonding, and coating items.

UV Curable Resins Market Trends:

Due to growing concerns of the coronavirus disease (COVID-19) transmission through packaging surfaces, UV cured resins are finding extensive application in various industry verticals as packaging coatings. UV cured resins increase production, reduce costs, and ensure high product quality for manufacturing a wide variety of medical products, such as filters, syringes, catheters, hearing aids, dialysis machines, medication patches, hydrogels, and test strips. In addition, the escalating demand for medical devices on account of the rising prevalence of chronic and lifestyle diseases is contributing to the market growth. Apart from this, the growing adoption of three-dimensional (3D) printing in the aerospace and automobile industries is driving the demand for UV cured resin-based 3D printing technologies. Moreover, UV curable resins derived from renewable raw materials with light-emitting diode (LED) technology are gaining traction to reduce air pollution and energy consumption and meet stringent regulations.

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Furthermore, the leading players are developing new and improved UV curable resins with expanded photosensitive wavelength bands and better photo-initiator solubility, which is anticipated to impel the market growth.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global UV curable resins market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on resin type, composition and application.

Breakup by Resin Type:

- Acrylated Epoxies
- Acrylated Polyesters
- Acrylated Urethanes
- Acrylated Silicones
- Others

Breakup by Composition:

- Monomers
- Oligomers
- Photoinitiators
- Others

Breakup by Application:

- Coating
- Packaging
- Printing
- Adhesives and Sealants
- Others

Breakup by Region:

- North America
 - o□United States
 - o□Canada
- Asia-Pacific
 - o□China
 - o□Japan
 - o□India
 - o□South Korea
 - o□Australia
 - o□Indonesia
 - o□Others
- Europe
 - o□Germany
 - o□France
 - o□United Kingdom
 - o□Italy
 - o□Spain
 - o□Russia
 - o□Others
- Latin America

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- o Brazil
- o Mexico
- o Others
- Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Allnex GmbH, Arkema S.A., BASF SE, Covestro AG, Dymax Corporation, Eternal Materials Co. Ltd., IGM Resins B.V., Jiangsu Litian Technology Co. Ltd., Jiangsu Sanmu Group Co. Ltd., Koninklijke DSM N.V., Showa Denko K. K. and Toagosei Co. Ltd.

Key Questions Answered in This Report:

- How has the global UV curable resins market performed so far and how will it perform in the coming years?
- What has been the impact of COVID-19 on the global UV curable resins market?
- What are the key regional markets?
- What is the breakup of the market based on the resin type?
- What is the breakup of the market based on the composition?
- What is the breakup of the market based on the application?
- What are the various stages in the value chain of the industry?
- What are the key driving factors and challenges in the industry?
- What is the structure of the global UV curable resins market and who are the key players?
- What is the degree of competition in the industry?

Table of Contents:

- 1 Preface
- 2 Scope and Methodology
 - 2.1 Objectives of the Study
 - 2.2 Stakeholders
 - 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
 - 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
 - 2.5 Forecasting Methodology
- 3 Executive Summary
- 4 Introduction
 - 4.1 Overview
 - 4.2 Key Industry Trends
- 5 Global UV Curable Resins Market
 - 5.1 Market Overview
 - 5.2 Market Performance
 - 5.3 Impact of COVID-19
 - 5.4 Market Forecast
- 6 Market Breakup by Resin Type
 - 6.1 Acrylated Epoxies
 - 6.1.1 Market Trends

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- 6.1.2 Market Forecast
- 6.2 Acrylated Polyesters
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast
- 6.3 Acrylated Urethanes
 - 6.3.1 Market Trends
 - 6.3.2 Market Forecast
- 6.4 Acrylated Silicones
 - 6.4.1 Market Trends
 - 6.4.2 Market Forecast
- 6.5 Others
 - 6.5.1 Market Trends
 - 6.5.2 Market Forecast
- 7 Market Breakup by Composition
 - 7.1 Monomers
 - 7.1.1 Market Trends
 - 7.1.2 Market Forecast
 - 7.2 Oligomers
 - 7.2.1 Market Trends
 - 7.2.2 Market Forecast
 - 7.3 Photoinitiators
 - 7.3.1 Market Trends
 - 7.3.2 Market Forecast
 - 7.4 Others
 - 7.4.1 Market Trends
 - 7.4.2 Market Forecast
- 8 Market Breakup by Application
 - 8.1 Coating
 - 8.1.1 Market Trends
 - 8.1.2 Market Forecast
 - 8.2 Packaging
 - 8.2.1 Market Trends
 - 8.2.2 Market Forecast
 - 8.3 Printing
 - 8.3.1 Market Trends
 - 8.3.2 Market Forecast
 - 8.4 Adhesives and Sealants
 - 8.4.1 Market Trends
 - 8.4.2 Market Forecast
 - 8.5 Others
 - 8.5.1 Market Trends
 - 8.5.2 Market Forecast
- 9 Market Breakup by Region
 - 9.1 North America
 - 9.1.1 United States
 - 9.1.1.1 Market Trends
 - 9.1.1.2 Market Forecast

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- 9.1.2 Canada
 - 9.1.2.1 Market Trends
 - 9.1.2.2 Market Forecast
- 9.2 Asia-Pacific
 - 9.2.1 China
 - 9.2.1.1 Market Trends
 - 9.2.1.2 Market Forecast
 - 9.2.2 Japan
 - 9.2.2.1 Market Trends
 - 9.2.2.2 Market Forecast
 - 9.2.3 India
 - 9.2.3.1 Market Trends
 - 9.2.3.2 Market Forecast
 - 9.2.4 South Korea
 - 9.2.4.1 Market Trends
 - 9.2.4.2 Market Forecast
 - 9.2.5 Australia
 - 9.2.5.1 Market Trends
 - 9.2.5.2 Market Forecast
 - 9.2.6 Indonesia
 - 9.2.6.1 Market Trends
 - 9.2.6.2 Market Forecast
 - 9.2.7 Others
 - 9.2.7.1 Market Trends
 - 9.2.7.2 Market Forecast
- 9.3 Europe
 - 9.3.1 Germany
 - 9.3.1.1 Market Trends
 - 9.3.1.2 Market Forecast
 - 9.3.2 France
 - 9.3.2.1 Market Trends
 - 9.3.2.2 Market Forecast
 - 9.3.3 United Kingdom
 - 9.3.3.1 Market Trends
 - 9.3.3.2 Market Forecast
 - 9.3.4 Italy
 - 9.3.4.1 Market Trends
 - 9.3.4.2 Market Forecast
 - 9.3.5 Spain
 - 9.3.5.1 Market Trends
 - 9.3.5.2 Market Forecast
 - 9.3.6 Russia
 - 9.3.6.1 Market Trends
 - 9.3.6.2 Market Forecast
 - 9.3.7 Others
 - 9.3.7.1 Market Trends
 - 9.3.7.2 Market Forecast

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- 9.4 Latin America
 - 9.4.1 Brazil
 - 9.4.1.1 Market Trends
 - 9.4.1.2 Market Forecast
 - 9.4.2 Mexico
 - 9.4.2.1 Market Trends
 - 9.4.2.2 Market Forecast
 - 9.4.3 Others
 - 9.4.3.1 Market Trends
 - 9.4.3.2 Market Forecast
- 9.5 Middle East and Africa
 - 9.5.1 Market Trends
 - 9.5.2 Market Breakup by Country
 - 9.5.3 Market Forecast
- 10 SWOT Analysis
 - 10.1 Overview
 - 10.2 Strengths
 - 10.3 Weaknesses
 - 10.4 Opportunities
 - 10.5 Threats
- 11 Value Chain Analysis
- 12 Porters Five Forces Analysis
 - 12.1 Overview
 - 12.2 Bargaining Power of Buyers
 - 12.3 Bargaining Power of Suppliers
 - 12.4 Degree of Competition
 - 12.5 Threat of New Entrants
 - 12.6 Threat of Substitutes
- 13 Price Analysis
- 14 Competitive Landscape
 - 14.1 Market Structure
 - 14.2 Key Players
 - 14.3 Profiles of Key Players
 - 14.3.1 Allnex GmbH
 - 14.3.1.1 Company Overview
 - 14.3.1.2 Product Portfolio
 - 14.3.2 Arkema S.A.
 - 14.3.2.1 Company Overview
 - 14.3.2.2 Product Portfolio
 - 14.3.2.3 Financials
 - 14.3.2.4 SWOT Analysis
 - 14.3.3 BASF SE
 - 14.3.3.1 Company Overview
 - 14.3.3.2 Product Portfolio
 - 14.3.3.3 Financials
 - 14.3.3.4 SWOT Analysis
 - 14.3.4 Covestro AG

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- 14.3.4.1 Company Overview
- 14.3.4.2 Product Portfolio
- 14.3.4.3 Financials
- 14.3.4.4 SWOT Analysis
- 14.3.5 Dymax Corporation
 - 14.3.5.1 Company Overview
 - 14.3.5.2 Product Portfolio
- 14.3.6 Eternal Materials Co. Ltd.
 - 14.3.6.1 Company Overview
 - 14.3.6.2 Product Portfolio
 - 14.3.6.3 Financials
- 14.3.7 IGM Resins B.V.
 - 14.3.7.1 Company Overview
 - 14.3.7.2 Product Portfolio
- 14.3.8 Jiangsu Litian Technology Co. Ltd.
 - 14.3.8.1 Company Overview
 - 14.3.8.2 Product Portfolio
- 14.3.9 Jiangsu Sanmu Group Co. Ltd.
 - 14.3.9.1 Company Overview
 - 14.3.9.2 Product Portfolio
- 14.3.10 Koninklijke DSM N.V.
 - 14.3.10.1 Company Overview
 - 14.3.10.2 Product Portfolio
 - 14.3.10.3 Financials
 - 14.3.10.4 SWOT Analysis
- 14.3.11 Showa Denko K. K.
 - 14.3.11.1 Company Overview
 - 14.3.11.2 Product Portfolio
 - 14.3.11.3 Financials
 - 14.3.11.4 SWOT Analysis
- 14.3.12 Toagosei Co. Ltd.
 - 14.3.12.1 Company Overview
 - 14.3.12.2 Product Portfolio
 - 14.3.12.3 Financials
 - 14.3.12.4 SWOT Analysis

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