

# **Global Bio-Renewable Chemicals Market – By Product Type [Alcohol (Ethanol Methanol), Organic Acids (Succinic, Lactic), Bio-polymers (Starch Blends, Regenerated Cellulose, PBS, Bio-PET, PLA, PHA), Glycerin, and Others (Bio-based, 3-PDO, ECH and 4-BDO)]; By Applications(Transportation, Textiles, Food Safety, Environment, Communication, Housing, Recreation, Health & Hygiene, Bio-Medical, Agriculture, and Others); By End-Users (Industrial & Domestic Cleaners, Paints & Coatings, Pharmaceuticals, and Personal Care Products); and Region (North America, Europe) Forecast To 2019-2030**

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## **Abstracts**

Renewable chemicals, usually known as bio-based chemicals, are obtained from numerous renewable sources such as organic waste products, agricultural left-over, agricultural feedstock, micro-organisms, and bio-mass. The bio-renewable chemical is a notion of “green chemistry”, which uses natural renewable sources of power to generate specific chemicals. These days, firms and governments around the world are stressing on ecologically pleasant dealing. In addition to that, a shortage of non-renewable reserves also appeals to shareholders towards the bio-renewable chemicals market. The rise in demand for fossil fuels leads to a rise in the price of fuel-related goods and so, to reduce this dependence, the demand for bio-renewable chemicals is rising. The global market for bio-renewable chemicals is hindered due to the absence or

shortage of raw materials used in the manufacturing of renewable chemicals.

## Market Highlights

The global bio-renewable chemicals market is anticipated to exceed USD XXXX million by 2030 from USD XXXX million in 2019 at a CAGR of about xx% during the forecast period, i.e. 2020-2030. The global bio-renewable chemicals market is expected to grow based on the rising demand for alcohol (ethanol and methanol), green wrapping supplies, and consumer product packing materials. For every chemical, there are limited players in the market and they do not create any threat for each other. The demand for these commodities is high with roughly all production capacities being disbursed. The market is at an emerging stage and the firms are yet to stabilize their production. Thus the level of competition in the market is low.

Evolving technological innovations, the inclination of the population towards environment-friendly products, and supportive government policies are driving the growth of the renewable chemicals market. Plentiful raw materials, cheap labor cost, and rising demand for renewable chemicals in India and China are expected to boost up the growth of the market for renewable chemicals. Rapid urbanization and industrialization in evolving markets of Asia Pacific (APAC) is further anticipated to boost up the demand for renewable chemicals throughout the end-use productions.

## Global Bio-renewable Chemicals Market Opportunity Analysis

Source: Fatpos Global

## Global Bio-renewable Chemicals Market: Segments

The Ethanol segment to surge with the highest CAGR of xx% during 2020-2030

The global bio-renewable chemicals market is segmented by product type into alcohol (ethanol and methanol), organic acids (succinic acid, lactic acid), bio-polymers (starch blends, regenerated cellulose, PBS, bio-PET, PLA, PHA), glycerin, and others (bio-based, 3-PDO, ECH and 4-BDO). Among these, glycerin was the largest segment holding xx% of the total market share in 2019 and is expected to display a similar trend in the coming years. Glycerin is mostly used in the manufacture of bio-polymers, biofuels, and other chemical products. Lactic acid is likely to be the next leading product segment throughout the forecast period. Anthocyanin is the most preferred product in the food & beverage industries because it displays good heat, ph.

## By Product Type (in %), Global Bio-renewable Chemicals Market, 2019

Source: Fatpos Global

The bio-plastic segment to grow with the highest CAGR of xx% during 2020-2030

The global bio-renewable chemicals market is segmented by applications into transportation, textiles, food safety, environment, communication, housing, recreation, health & hygiene, bio-medical, agriculture, and others. Among these, bio-plastic shall generate maximum revenue during the forecast period. The rising demand for ecological packing around the globe is likely to boost its growth. Besides, the strict policies mainly in U.S and Europe concerning the use of sustainable wrapping are likely to surge the demand for bioplastics.

## By Application Type (in %), Global Bio-renewable Chemicals Market, 2019

Source: Fatpos Global

An industrial segment to grow with the fastest CAGR of xx% during 2020-2030

The global bio-renewable chemicals market is segmented by end-users into industrial and domestic cleaners, paints and coatings, pharmaceuticals, and personal care products. Among these, the industrial segment is estimated to hold the maximum number of shares of xx% in 2019. Bio-chemicals are used in these industries for applications such as bio-plastics, bio-cleaners, and detergents. Bio-plastics are mainly utilized in packaging as they emit fewer greenhouse gases (GHGs). Thus, the demand for bioplastics is on a surge.

## By End-Users Type (in %), Global Bio-renewable Chemicals Market, 2019

Source: Fatpos Global

## Global Bio-Renewable Chemicals Market: Drivers and Restraints

### The surge in End-user Demand Augmenting Growth

Emerging technological innovations, people's inclination towards eco-friendly goods, and supportive government policies are driving growth in the demand for renewable

chemicals. In addition, rising demand for ethanol & methanol, green packaging materials, and consumer goods packaging materials is expected to boost market growth during the forecast period.

### High Cost for Commercialization

The market for renewable chemicals is very niche, with few players in the global market. It is expected that rising consumer awareness of the environment will increase the adoption of green and eco-friendly chemicals. In order to meet the growing demand for renewable chemicals, pilot projects need to be commercialized and players need to make significant investments in research and development in order to upgrade the ongoing production technology and develop new products. While the market offers highly lucrative growth opportunities, high capital investment in the production of renewable chemicals compared to other conventional chemicals and polymers is expected to be a key challenge for market growth.

### Global Bio-Renewable Chemicals Market: Regions

North America projected to be the fastest-growing region during 2020-2030

The bio-renewable chemicals market is segmented by region into North America, Latin America, Europe, and APAC. North America is considered to be the fastest-growing and the largest region in terms of producing and consuming bio-renewable chemicals, respectively, due to the rise in the government's initiatives on consuming renewable chemicals. Several countries in Europe and the Middle East are also emphasizing environmental issues and enactment of related ecological guidelines on chemical production.

By Region Type (in %), Global Bio-renewable Chemicals Market, 2019

Source: Fatpos Global

The global bio-renewable chemicals market is further classified by region into:

North America Market Size, Shares, Trends, Opportunities, Y-o-Y Growth, CAGR – United States and Canada

Latin America Market Size, Shares, Trends, Opportunities, Y-o-Y Growth, CAGR – Mexico, Argentina, Brazil, and Rest of Latin America

Europe Market Size, Shares, Trends, Opportunities, Y-o-Y Growth, CAGR – UK,

*Global Bio-Renewable Chemicals Market – By Product Type [Alcohol (Ethanol Methanol), Organic Acids (Succinic,...*

France, Germany, Italy, Spain, Belgium, Hungary, Luxembourg, Netherlands, Poland, NORDIC, Russia, Turkey, and Rest of Europe  
APAC Market Size, Shares, Trends, Opportunities, Y-o-Y Growth, CAGR – India, China, South Korea, Japan, Malaysia, Indonesia, New Zealand, Australia, and Rest of APAC  
Global Bio-renewable Chemicals Market: Key Players

List of top key players in the global bio-renewable chemicals market are:

Evonik Industries  
Company Overview  
Business Strategy  
Key Product Offerings  
Financial Performance  
Key Performance Indicators  
Risk Analysis  
Recent Developments  
Regional Presence  
SWOT Analysis  
Solazyme  
Myriant  
Elevance Renewable Sciences  
Du Point Biosciences (Genencor)  
Lanza Tech  
Amyris  
Zea Chem  
Gevo  
BASF

The global bio-renewable chemicals market report also presents an analysis on:

Bio-renewable Chemicals Market Segments  
By Product Type  
Alcohol  
Ethanol  
Methanol  
Organic Acids  
Succinic  
Lactic  
Bio-polymers  
Starch Blends

Regenerated Cellulose  
PBS  
Bio-PET  
PLA  
PHA  
Glycerin  
Others  
Bio-based  
3-PDO  
ECH  
4-BDO  
By Applications  
Transportation  
Textiles  
Food safety  
Environment  
Communication  
Housing  
Recreation  
Health & Hygiene  
Bio-Medical  
Agriculture  
Other Applications  
By End-users  
Industrial & Domestic Cleaners  
Paints & Coatings  
Pharmaceuticals  
Personal Care Products  
By Region  
North America  
Latin America  
Europe  
APAC  
Bio-renewable Chemicals Market Dynamics  
Bio-renewable Chemicals Market Size  
Demand & Supply  
Current Trends/Issues/Challenges  
Competition and Companies involved in the Market  
Value Chain of the Market

## Market Drivers and Restraints

### FAQs on Global Bio-renewable Chemicals Market

Which segment is expected to hold the largest market share?

At what CAGR is the market anticipated to grow during 2020-2030?

Who are the key players in the global bio-renewable chemicals market?

What could be the prompting factors for the growth of the global bio-renewable chemicals market?

What are the growth drivers for the global bio-renewable chemicals market?

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## By Regions

North America: (U.S. and Canada)

By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F

Latin America: (Brazil, Mexico, Argentina, Rest of Latin America)

By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F

Europe: (Germany, UK, France, Italy, Spain, BENELUX, NORDIC, Hungary, Poland, Turkey, Russia, Rest of Europe)

By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F

Asia-Pacific: (China, India, Japan, South Korea, Indonesia, Malaysia, Australia, New Zealand, Rest of Asia Pacific)

By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F

The Middle East and Africa: (Israel, GCC, North Africa, South Africa, Rest of the Middle East and Africa)

By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F

By Product Type: Market Share (2020-2030F)

Alcohol, By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F

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Food Safety, By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F

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Communication, By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F

Housing, By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F

Recreation, By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F

Health & Hygiene, By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F

Bio-medical, By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F

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## **4. BY END-USERS: MARKET SHARE (2020-2030F)**

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### **2. PAINTS & COATINGS, BY VALUE (USD MILLION) 2019-2030F; Y-O-Y GROWTH**

(%) 2020-2030F

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**4. PERSONAL CARE PRODUCTS, BY VALUE (USD MILLION) 2019-2030F; Y-O-Y GROWTH (%) 2020-2030F**

Company Profile

Evonik Industries

Company Overview

Company Total Revenue (Financials)

Market Potential

Global Presence

Key Performance Indicators

SWOT Analysis

Product Launch

Solazyme

Myriant

Elevance Renewable Sciences

Du Point Biosciences (Genencor)

Lanza Tech

Amyris

Zea Chem

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