

# **Bio-based Platform Chemicals Market Report by Chemical (Bio Glycerol, Bio Glutamic Acid, Bio Itaconic Acid, Bio-3-Hydroxypropionic Acid, Bio Succinic Acid, and Others), Feedstock (Sugar, Syngas, Biogas, Oil, and Others), End Use Industry (Polymers, Solvents, Fuels, Pharmaceuticals, Perfumes, and Others), and Region 2024-2032**

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## **Abstracts**

The global bio-based platform chemicals market size reached US\$ 17.4 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 34.8 Billion by 2032, exhibiting a growth rate (CAGR) of 7.8% during 2024-2032.

Bio-based platform chemicals refer to the group of chemical compounds manufactured by breaking down and processing biological materials. Some of the commonly used bio-based platform chemicals include bio-glycerol, glutamic acid, itaconic acid, bio-3-hydroxypropionic acid and succinic acid. They are manufactured using amino acids, carboxylic acids, isoprene, propane, short-chain olefins, butanediols and ethanol. These chemicals act as a crucial ingredient for manufacturing chemicals and materials with improved functionalities and are used in the production of polymers, adhesives, fibers, plastic packaging, resins and cleaning agents.

Significant growth in the chemical and pharmaceutical industries represents one of the key factors creating a positive outlook for the market. In line with this, the widespread adoption of bio-itaconic acid (IA) as an alternative to petrochemical-derived products is also contributing to the market growth. IA is used as an organic compound in the manufacturing of shampoos, detergents, and various pharmaceutical products as it can dissolve in various alcohols, such as methanol, ethanol and propanol. Furthermore,

increasing demand for environment-friendly and bio-based chemicals is also driving the market growth. Additionally, various product innovations, such as the development of superabsorbent polymers (SAPs), are acting as other growth-inducing factors. SAPs exhibit superior water-absorbing capabilities and are thus used for the production of diapers, adult incontinence pads, absorbent medical dressings, and controlled release drugs. Other factors, including the implementation of favorable government policies promoting sustainable development, along with extensive research and development (R&D) activities in the field of green chemistry, are anticipated to drive the market further.

#### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each segment of the global bio-based platform chemicals market report, along with forecasts at the global, regional and country levels from 2024-2032. Our report has categorized the market based on chemical, feedstock and end use industry.

#### Breakup by Chemical:

Bio Glycerol

Bio Glutamic Acid

Bio Itaconic Acid

Bio-3-Hydroxypropionic Acid

Bio Succinic Acid

Others

#### Breakup by Feedstock:

Sugar

Syngas

Biogas

Oil

Others

#### Breakup by End Use Industry:

Polymers

Solvents

Fuels

Pharmaceuticals

Perfumes

Others

#### Breakup by Region:

North America

United States

Canada

Asia-Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

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 BASF SE, Braskem S/A (Odebrecht), Cargill Incorporated, DuPont de Nemours Inc., Itaconix Corporation, Koninklijke DSM N.V., LyondellBasell Industries N.V., Novozymes A/S, PTT Global Chemical Public Company

Limited and Yield10 Bioscience Inc.

### Key Questions Answered in This Report

1. How big is the global bio-based platform chemicals market?
2. What is the expected growth rate of the global bio-based platform chemicals market during 2024-2032?
3. What are the key factors driving the global bio-based platform chemicals market?
4. What has been the impact of COVID-19 on the global bio-based platform chemicals market?
5. What is the breakup of the global bio-based platform chemicals market based on the chemical?
6. What is the breakup of the global bio-based platform chemicals market based on the feedstock?
7. What is the breakup of the global bio-based platform chemicals market based on the end use industry?
8. What are the key regions in the global bio-based platform chemicals market?
9. Who are the key players/companies in the global bio-based platform chemicals market?

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