

# **Bio-Isobutene Market- Global Industry Size, Share, Trends, Opportunity, and Forecast, 2018-2028**

## **Segmented By Products (Straw-Derived Bio-Isobutene, Sugar Beet Bio-Isobutene, Cane-Derived Bio-Isobutene, Others), By Application (Fuel, Butyl Rubber, Bio-Based Cosmetic Ingredients, Lubricant Additives, Others), By End-Use (Automobile, Aerospace, Pharmaceuticals, Others), By Region and Competition**

<https://marketpublishers.com/r/B55415002DD5EN.html>

Date: April 2023

Pages: 116

Price: US\$ 4,900.00 (Single User License)

ID: B55415002DD5EN

### **Abstracts**

Bio-Isobutene market is anticipated to expand significantly through 2028. The market is rapidly expanding due to numerous factors, including a growing focus on sustainability which has brought attention to adopting safe and low-carbon emission activities. Bio-Isobutene is anticipated to deliver dependability and environmental and socioeconomic sustainability in the worldwide chemical value chain. Additionally, growing demand from the automotive and aviation industries for fuel is further expected to drive market growth. Besides, growing demand from cosmetic ingredients applications results in the growth of the bio-isobutene market. Bio-isobutene is a bio-derived variant of conventional isobutene. The Biobased Industries Joint Undertaking (BBI-JU) selected a project worth USD 10.10 million (Euro9.8 million) to optimize the conversion of residual wheat straw to bio-isobutene for bio-based chemicals (OPTISO-CHEM), grant agreement No. 744330, in the frame of the European Union (EU) Horizon 2020 (H2020) program for research and innovation, following a “very selective and competitive” process led by independent experts.

Furthermore, the increasing demand from rubber, plastic, and other end-user industries

are the crucial factors that propel the market's growth. With stringent rules implemented by governments to replace conventional fuel and high demand for bio-based products, the market is witnessing a shift towards cleaner and more sustainable products. Various companies and research organizations operating in the market are also focusing on developing such eco-friendly products. This, in turn, is expected to create huge prospects for market growth in the coming years.

### Government Initiatives

In the current scenario, various governments across the globe are applying many rules & regulations regarding environmental safety. They are encouraging the shift from conventional fuel to bio-based fuel and its derivatives. Using biomass-based raw materials over conventional ones is a better way to generate bio-based products. Different biomass raw materials, such as straw, sugar beet, and cane, among others, have a good quantity of starch and sugar which can be combined with conventional isobutene to produce bio-isobutene. Thus, the worldwide bio-isobutene market is anticipated to witness substantial growth from using bio-based raw materials during the projected period.

### Increasing Demand from Various End-User Industries

The bio-isobutene chemical is one of the leading petroleum derivatives derived from sugar and starch residues and agricultural and forestry waste. It is used in various applications like fuel, butyl rubber, bio-based cosmetic ingredients, and lubricant additives, among others. Bio-based cosmetic ingredients primarily drive the market for Bio-Isobutene. The demand for bio-isobutene is appreciable because it does not change the viscosity or texture properties of creams or lotions and is thus a direct and complete replacement for petroleum-based substances. In addition, the new product contains more than 50% regenerative carbon and thus belongs to the group of natural and biological cosmetic ingredients and products. As a result, many companies operating in the market have committed to adopting this. With the increasing demand for bio-isobutene from the cosmetic ingredients industries, there is an opportunity to increase the production of bio-isobutene globally, thereby driving the global bio-isobutene market.

### Recent Developments

In February 2021, Gevo & HCS group signed an MOU to produce sustainable aviation fuel and low-carbon chemicals in Europe.

The first batch of bio-isobutene to Heracles Winery with the motive to encourage innovation in the field of bio-based gas was developed by Global Bioenergies & Butagaz in March 2019.

In February 2019, Global Bioenergies joined hands with Clariant to produce batches of wheat straw-based isobutene, which can be used in plastic, fuel, lubricants, solvent, and cosmetic applications.

In April 2018, Audi & Global Bioenergies announced the testing of renewable gasoline blended with bio-isobutene.

## Market Segmentation

Global Bio-Isobutene Market is segmented based on products, applications, and end-use. Based on products, the market is categorized into straw-derived bio-isobutene, sugar beet bio-isobutene, cane-derived bio-isobutene, and others. Based on application, the market is fragmented into fuel, butyl rubber, bio-based cosmetic ingredients, lubricant additives, and others. Based on end use, the market is divided into automobile, aerospace, pharmaceuticals, and others. Based on region, the market is divided into North America, Europe, Asia Pacific, and Rest of the World.

## Company Profiles

Global Bioenergies SA, Clariant AG, Gevo Inc., Butagaz, Butamax Advanced Biofuels, LLC., Dow Chemical Co. Ltd., BASF SE, Songwon Industrial Co. Ltd., Ineos Group Ltd., Exxon Mobil Corp. are some of the key players operating in the Global Bio-Isobutene Market.

## Report Scope:

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

### Bio-Isobutene Market, By Products:

#### Straw-Derived Bio-Isobutene

Sugar Beet Bio-Isobutene

Cane-Derived Bio-Isobutene

Others

#### Bio-Isobutene Market, By Application:

Fuel

Butyl Rubber

Bio-Based Cosmetic Ingredients

Lubricant Additives

Others

#### Bio-Isobutene Market, By End Use:

Automobile

Aerospace

Pharmaceuticals

Others

#### Bio-Isobutene Market, By Region:

North America

United States

Mexico

Canada

Europe

France

Germany

United Kingdom

Switzerland

Italy

Belgium

Austria

Asia-Pacific

China

India

South Korea

Japan

Thailand

Indonesia

Australia

Malaysia

Rest of the World

Brazil

Competitive landscape

Company Profiles: Detailed analysis of the major companies present in the global Bio-Isobutene 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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