

Biobutanol Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

The global biobutanol market size reached US\$ 1.4 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 1.9 Billion by 2028, exhibiting a growth rate (CAGR) of 5.2% during 2022-2028.

Biobutanol, or butyl alcohol, refers to a chemical compound used as a fuel in internal combustion (IC) engines or an organic solvent. It consists of four carbon atoms and is usually manufactured by microbial fermentation of starch, sugar and cellulosic feedstock. In comparison to the conventionally used ethanol and gasoline, it is non-corrosive in nature, immiscible in water, has higher energy content and flammability limits and lower vapor pressure. It also releases lesser quantities of hydrocarbons, nitrogen oxide and carbon monoxide upon combustion. As a result, biobutanol is widely used in the manufacturing of rubber, paints, coatings, resins, plasticizers, pharmaceuticals, food-grade extractants, chemical intermediates and herbicides.

The increasing demand for energy-efficient sources of fuel across the globe represents one of the key factors driving the growth of the market. With the increasing environmental concerns among the masses regarding the release of excessive greenhouse gasses (GHG) into the environment, there is a shifting preference towards alternative fuels and renewable energy sources, thereby driving the market growth. In line with this, widespread adoption of biobutanol for the manufacturing of chemicals, such as butyl acrylates, is also contributing to the market growth. It is also used for the production of acetates, acrylates, glycol ethers and other industrial solvents.

Additionally, various advancements in the fermentation and cellulosic extraction technologies are favoring the market growth. Other factors, including increasing consumption of biofuels in the aviation industry and fleet transportation sector, along with the implementation of favorable government policies promoting the use of bio-based products, are anticipated to drive the market further.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global biobutanol market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on raw material, application and end use industry.

Breakup by Raw Material:

Cereal Crops

Sugarcane Bagasse

Waste Biomass

Others

Breakup by Application:

Acrylates

Acetates

Glycol Ethers

Biofuel

Others

Breakup by End Use Industry:

Transportation

Construction

Medical

Power Generation

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 Abengoa, Biocleave Limited, Bioenergy International, Butalco GmbH (Lesaffre), Butamax Advanced Biofuels LLC (BP and Corteva), Eastman Chemical Company, Gevo Inc., Metabolic Explorer SA, Solvay S.A. and W2 Energy Inc.

Key Questions Answered in This Report

1. How big is the global biobutanol market?
2. What is the expected growth rate of the global biobutanol market during 2023-2028?
3. What are the key factors driving the global biobutanol market?
4. What has been the impact of COVID-19 on the global biobutanol market?
5. What is the breakup of the global biobutanol market based on the application?
6. What is the breakup of the global biobutanol market based on the end use industry?
7. What are the key regions in the global biobutanol market?
8. Who are the key players/companies in the global biobutanol market?

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