

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

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Report description:

The global bioethanol market size reached US\$ 9.4 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 14.3 Billion by 2028, exhibiting a growth rate (CAGR) of 7.24% during 2022-2028.

Bioethanol is a clear, colorless liquid produced from biomass by hydrolysis and sugar fermentation or using the chemical process of reacting ethylene with steam. It is biodegradable, less toxic, and does not cause environmental pollution as compared to conventional fuels. Consequently, it is gaining traction as a petrol substitute for road transport vehicles around the world. It is blended with petrol without modifying engine designs, which results in reduced greenhouse gas (GHG) emissions and air pollution. Presently, the ongoing research and development activities to produce bioethanol fuel using municipal solid waste are escalating the demand for bioethanol worldwide.

Bioethanol Market Trends:

The suburbanization trend and boosting sales of passenger vehicles across the globe on account of inflating disposable incomes represent one of the key factors influencing the market positively. Moreover, the growing environmental concerns among individuals are driving the demand for bioethanol as an alternative to fossil fuels. Apart from this, improving road transport networks are resulting in the increasing use of commercial vehicles. As these vehicles contribute disproportionately to air pollution and congestion, government bodies of numerous countries are implementing stringent regulations to minimize pollutant emissions and encourage the adoption of bioethanol. In addition, bioethanol finds application in existing engines to reduce the amount of carbon monoxide, thereby assisting in improving the overall air quality. Furthermore, as it is skin-friendly and harmless for the health and environment, bioethanol is widely used as a carrier and solvent in cosmetics and personal care products across the globe. It is also employed in the pharmaceutical industry as a major ingredient for formulating drugs, cough syrups, medicinal capsules, and disinfectants. Moreover, it is gaining traction in the food and beverage (F&B) industry as a flavor enhancer.

Key Market Segmentation:

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

Breakup by Type:

- Sugarcane-based Ethanol
- Cellulosic Ethanol
- Starch-based Ethanol
- Others

Breakup by Fuel Blend:

- E10
- E20 and E25
- E70 and E75
- E85
- Others

Breakup by Generation:

- First Generation
- Second Generation
- Third Generation

Breakup by End Use Industry:

- Automotive and Transportation
- Power Generation
- Pharmaceutical
- Food and Beverage
- Cosmetics and Personal Care
- Others

Breakup by Region:

- North America
 - United States
 - Canada
- Asia-Pacific
 - China
 - Japan
 - India
 - South Korea
- Australia
- Indonesia
- Others

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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 S.A., Archer-Daniels-Midland Company, BP plc, Cristalco (Cristal Union), CropEnergies AG (Sudzucker AG), Flint Hills Resources, LLC (Koch Industries, Inc.), Green Plains Inc., Honeywell International Inc., INEOS Capital Limited, Petroleo Brasileiro S.A., POET LLC, Royal Dutch Shell plc and Valero Energy Corporation.

Key Questions Answered in This Report:

How has the global bioethanol market performed so far and how will it perform in the coming years?
What has been the impact of COVID-19 on the global bioethanol market?
What are the key regional markets?
What is the breakup of the market based on the type?
What is the breakup of the market based on the fuel blend?
What is the breakup of the market based on the generation?
What is the breakup of the market based on the end use industry?
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 bioethanol 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

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- 4.1 Overview
- 4.2 Key Industry Trends
- 5 Global Bioethanol Market
 - 5.1 Market Overview
 - 5.2 Market Performance
 - 5.3 Impact of COVID-19
 - 5.4 Market Forecast
- 6 Market Breakup by Type
 - 6.1 Sugarcane-based Ethanol
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
 - 6.2 Cellulosic Ethanol
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast
 - 6.3 Starch-based Ethanol
 - 6.3.1 Market Trends
 - 6.3.2 Market Forecast
 - 6.4 Others
 - 6.4.1 Market Trends
 - 6.4.2 Market Forecast
- 7 Market Breakup by Fuel Blend
 - 7.1 E10
 - 7.1.1 Market Trends
 - 7.1.2 Market Forecast
 - 7.2 E20 and E25
 - 7.2.1 Market Trends
 - 7.2.2 Market Forecast
 - 7.3 E70 and E75
 - 7.3.1 Market Trends
 - 7.3.2 Market Forecast
 - 7.4 E85
 - 7.4.1 Market Trends
 - 7.4.2 Market Forecast
 - 7.5 Others
 - 7.5.1 Market Trends
 - 7.5.2 Market Forecast
- 8 Market Breakup by Generation
 - 8.1 First Generation
 - 8.1.1 Market Trends
 - 8.1.2 Market Forecast
 - 8.2 Second Generation
 - 8.2.1 Market Trends
 - 8.2.2 Market Forecast
 - 8.3 Third Generation
 - 8.3.1 Market Trends
 - 8.3.2 Market Forecast
- 9 Market Breakup by End Use Industry

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- 9.1 Automotive and Transportation
 - 9.1.1 Market Trends
 - 9.1.2 Market Forecast
- 9.2 Power Generation
 - 9.2.1 Market Trends
 - 9.2.2 Market Forecast
- 9.3 Pharmaceutical
 - 9.3.1 Market Trends
 - 9.3.2 Market Forecast
- 9.4 Food and Beverage
 - 9.4.1 Market Trends
 - 9.4.2 Market Forecast
- 9.5 Cosmetics and Personal Care
 - 9.5.1 Market Trends
 - 9.5.2 Market Forecast
- 9.6 Others
 - 9.6.1 Market Trends
 - 9.6.2 Market Forecast
- 10 Market Breakup by Region
 - 10.1 North America
 - 10.1.1 United States
 - 10.1.1.1 Market Trends
 - 10.1.1.2 Market Forecast
 - 10.1.2 Canada
 - 10.1.2.1 Market Trends
 - 10.1.2.2 Market Forecast
 - 10.2 Asia-Pacific
 - 10.2.1 China
 - 10.2.1.1 Market Trends
 - 10.2.1.2 Market Forecast
 - 10.2.2 Japan
 - 10.2.2.1 Market Trends
 - 10.2.2.2 Market Forecast
 - 10.2.3 India
 - 10.2.3.1 Market Trends
 - 10.2.3.2 Market Forecast
 - 10.2.4 South Korea
 - 10.2.4.1 Market Trends
 - 10.2.4.2 Market Forecast
 - 10.2.5 Australia
 - 10.2.5.1 Market Trends
 - 10.2.5.2 Market Forecast
 - 10.2.6 Indonesia
 - 10.2.6.1 Market Trends
 - 10.2.6.2 Market Forecast
 - 10.2.7 Others
 - 10.2.7.1 Market Trends

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- 10.2.7.2 Market Forecast
- 10.3 Europe
 - 10.3.1 Germany
 - 10.3.1.1 Market Trends
 - 10.3.1.2 Market Forecast
 - 10.3.2 France
 - 10.3.2.1 Market Trends
 - 10.3.2.2 Market Forecast
 - 10.3.3 United Kingdom
 - 10.3.3.1 Market Trends
 - 10.3.3.2 Market Forecast
 - 10.3.4 Italy
 - 10.3.4.1 Market Trends
 - 10.3.4.2 Market Forecast
 - 10.3.5 Spain
 - 10.3.5.1 Market Trends
 - 10.3.5.2 Market Forecast
 - 10.3.6 Russia
 - 10.3.6.1 Market Trends
 - 10.3.6.2 Market Forecast
 - 10.3.7 Others
 - 10.3.7.1 Market Trends
 - 10.3.7.2 Market Forecast
- 10.4 Latin America
 - 10.4.1 Brazil
 - 10.4.1.1 Market Trends
 - 10.4.1.2 Market Forecast
 - 10.4.2 Mexico
 - 10.4.2.1 Market Trends
 - 10.4.2.2 Market Forecast
 - 10.4.3 Others
 - 10.4.3.1 Market Trends
 - 10.4.3.2 Market Forecast
- 10.5 Middle East and Africa
 - 10.5.1 Market Trends
 - 10.5.2 Market Breakup by Country
 - 10.5.3 Market Forecast
- 11 SWOT Analysis
 - 11.1 Overview
 - 11.2 Strengths
 - 11.3 Weaknesses
 - 11.4 Opportunities
 - 11.5 Threats
- 12 Value Chain Analysis
- 13 Porters Five Forces Analysis
 - 13.1 Overview
 - 13.2 Bargaining Power of Buyers

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- 13.3 Bargaining Power of Suppliers
- 13.4 Degree of Competition
- 13.5 Threat of New Entrants
- 13.6 Threat of Substitutes
- 14 Price Analysis
- 15 Competitive Landscape
 - 15.1 Market Structure
 - 15.2 Key Players
 - 15.3 Profiles of Key Players
 - 15.3.1 Abengoa S.A.
 - 15.3.1.1 Company Overview
 - 15.3.1.2 Product Portfolio
 - 15.3.1.3 Financials
 - 15.3.1.4 SWOT Analysis
 - 15.3.2 Archer-Daniels-Midland Company
 - 15.3.2.1 Company Overview
 - 15.3.2.2 Product Portfolio
 - 15.3.2.3 Financials
 - 15.3.2.4 SWOT Analysis
 - 15.3.3 BP plc
 - 15.3.3.1 Company Overview
 - 15.3.3.2 Product Portfolio
 - 15.3.3.3 Financials
 - 15.3.3.4 SWOT Analysis
 - 15.3.4 Cristalco (Cristal Union)
 - 15.3.4.1 Company Overview
 - 15.3.4.2 Product Portfolio
 - 15.3.5 CropEnergies AG (Sudzucker AG)
 - 15.3.5.1 Company Overview
 - 15.3.5.2 Product Portfolio
 - 15.3.5.3 Financials
 - 15.3.5.4 SWOT Analysis
 - 15.3.6 Flint Hills Resources, LLC (Koch Industries, Inc.)
 - 15.3.6.1 Company Overview
 - 15.3.6.2 Product Portfolio
 - 15.3.6.3 SWOT Analysis
 - 15.3.7 Green Plains Inc.
 - 15.3.7.1 Company Overview
 - 15.3.7.2 Product Portfolio
 - 15.3.7.3 Financials
 - 15.3.7.4 SWOT Analysis
 - 15.3.8 Honeywell International Inc.
 - 15.3.8.1 Company Overview
 - 15.3.8.2 Product Portfolio
 - 15.3.8.3 Financials
 - 15.3.8.4 SWOT Analysis
 - 15.3.9 INEOS Capital Limited

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- 15.3.9.1 Company Overview
- 15.3.9.2 Product Portfolio
- 15.3.10 Petroleo Brasileiro S.A.
 - 15.3.10.1 Company Overview
 - 15.3.10.2 Product Portfolio
 - 15.3.10.3 Financials
 - 15.3.10.4 SWOT Analysis
- 15.3.11 POET LLC
 - 15.3.11.1 Company Overview
 - 15.3.11.2 Product Portfolio
- 15.3.12 Royal Dutch Shell plc
 - 15.3.12.1 Company Overview
 - 15.3.12.2 Product Portfolio
 - 15.3.12.3 Financials
 - 15.3.12.4 SWOT Analysis
- 15.3.13 Valero Energy Corporation
 - 15.3.13.1 Company Overview
 - 15.3.13.2 Product Portfolio
 - 15.3.13.3 Financials
 - 15.3.13.4 SWOT Analysis

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