

Vietnam Ethanol Market, By Type (Bio Ethanol, Synthetic Ethanol), By Raw Material (Sugar & Molasses, Cassava, Rice, Algal Biomass, Ethylene, Lignocellulosic Biomass), By Purity (Denatured, Undenatured) By Grade (Biofuel, Industrial, Food, Others), By Application (Fuel & Fuel Additives, Beverages, Industrial Solvents, Personal Care, Disinfectant, Others) By Region, Competition Forecast & Opportunities, 2028F

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Report description:

Vietnam Ethanol Market was valued at USD 147.00 million in 2022 and is further anticipated to grow at a CAGR of 4.57%, during the forecast period, owing to rising demand from the automotive sector. The growth of the market is primarily driven by the increasing demand for renewable energy sources. Ethanol is seen as a viable alternative to fossil fuels, as it is a renewable resource that can be produced domestically.

Ethanol, also known as ethyl alcohol, is a colorless, flammable, and volatile liquid that is used as a fuel, solvent, and ingredient in a wide range of products, from alcoholic beverages to personal care items. It is one of the oldest and most widely produced organic chemicals in the world. Ethanol is produced by the fermentation of sugars and starches, which are found in various plants such as corn, sugarcane, and potatoes. The process involves converting sugars into ethanol and carbon dioxide using yeast or other microorganisms. The resulting ethanol is then purified and distilled to increase its concentration and remove any impurities. Ethanol is commonly used as a fuel additive to reduce emissions and increase octane ratings in gasoline. It can also be used as a standalone fuel in flexible fuel vehicles (FFVs), which are designed to run on gasoline, ethanol, or any blend of the two. Ethanol burns cleaner than gasoline, which means it produces less pollution and greenhouse gas emissions. It also has a higher-octane rating, which means it can be used to increase the efficiency of gasoline engines.

In addition to its use as a fuel, ethanol is also used in the production of a wide range of products, including personal care items, cleaning agents, and industrial chemicals. It is a common ingredient in perfumes, lotions, and hair care products because of its ability to dissolve and blend with other substances. Ethanol is also used in the production of antiseptics and disinfectants because

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of its ability to kill bacteria and other microorganisms.

While ethanol has many benefits, it also has some drawbacks. One of the biggest criticisms of ethanol is that it competes with food production for crops such as corn, which can drive up the cost of food. Additionally, ethanol production can require a lot of water and energy, which can have environmental impacts. There are also concerns about the impact of increased ethanol production on land use and deforestation.

Ethanol is a key component of the global energy market and has been increasingly used as an alternative fuel source in Vietnam. As a developing country with a growing population and economy, Vietnam has a significant demand for energy, and the ethanol market has been expanding in recent years.

The demand for ethanol in Vietnam is driven by the government's efforts to reduce the country's reliance on imported petroleum and to promote renewable energy sources. In 2018, the government issued a decree mandating a 5% ethanol blend in gasoline. This mandate was increased to 10% in 2020, and the government has plans to increase the blend ratio to 15% by 2025.

Favorable Government Initiatives and Increasing Demand for Renewable Energy Sources is Driving Market Growth

The Vietnamese government has been actively promoting the use of ethanol as a fuel source as part of its efforts to reduce the country's reliance on imported petroleum and to promote sustainable energy sources. In 2018, the government issued a decree mandating a 5% ethanol blend in gasoline. This mandate was increased to 10% in 2020, and the government has plans to increase the blend ratio to 15% by 2025. The government has also provided incentives for ethanol producers, including tax breaks and subsidies. These incentives have encouraged investment in the ethanol industry and have contributed to the growth of the market.

As concerns about climate change and energy security have increased globally, there has been a growing demand for renewable energy sources. Ethanol is seen as a viable alternative to fossil fuels, as it is a renewable resource that can be produced domestically. In addition, ethanol has a lower carbon footprint than gasoline, which means it produces less greenhouse gas emissions. This has made ethanol an attractive option for governments and companies looking to reduce their carbon footprint and meet sustainability goals.

Rising Concerns about the Environmental Impact of Fossil Fuels

The use of fossil fuels has been linked to a number of environmental problems, including air pollution and climate change. As a result, there has been a growing movement towards cleaner and more sustainable energy sources. Ethanol is seen as a cleaner alternative to fossil fuels, as it produces less pollution and greenhouse gas emissions. This has made ethanol an attractive option for consumers who are concerned about the environmental impact of their energy use. In addition, the use of ethanol can help reduce dependence on foreign oil and increase energy security. This has made ethanol an attractive option for governments and companies looking to reduce their reliance on imported fossil fuels.

Major Challenges Faced by Ethanol Market

One of the biggest challenges facing the Vietnam ethanol market is the availability of feedstocks. Ethanol in Vietnam is typically produced from sugarcane, cassava, and corn. However, these feedstocks are also used for food production, creating competition between the ethanol and food industries. The competition for feedstocks has the potential to drive up the cost of food, which could have negative consequences for the economy and social stability in Vietnam. In addition, if the demand for feedstocks exceeds the supply, it could result in a shortage of ethanol, limiting the growth of the market.

Another challenge facing the Vietnam ethanol market is the lack of infrastructure for production, transportation, and distribution. The ethanol supply chain in Vietnam is not well-developed, which limits the ability of producers to reach consumers in different regions. The lack of infrastructure makes it difficult to store and transport ethanol, which can lead to quality issues and loss of product. This creates a barrier for ethanol producers who are looking to expand their operations, as they must invest in new infrastructure to reach new markets.

Vietnam ethanol market also faces competition from other energy sources, such as gasoline and diesel. While ethanol has a lower carbon footprint and is considered a more sustainable option, it is often more expensive than fossil fuels. The infrastructure for fossil fuel production and distribution is well-established in Vietnam, making it easier and more cost-effective for consumers to access gasoline and diesel. This creates a challenge for ethanol producers, as they must compete on price and convenience in order to win over consumers.

Recent Development

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One of the most significant developments in the Vietnam ethanol market over the last two years has been changes to government policy. In 2020, the government announced that it would increase the ethanol blend mandate from 5% to 10%. This was a major step towards promoting the use of ethanol as a fuel source and reducing the country's dependence on imported petroleum. The government has also provided incentives for ethanol producers, including tax breaks and subsidies, which have helped to encourage investment in the industry. These policy changes have had a significant impact on the growth of the Vietnam ethanol market, with several new production facilities being planned or under construction.

Vietnam ethanol market has seen a significant increase in investment over the last two years. Several major ethanol producers have announced plans to expand their operations in Vietnam, including Thai-based PTT and Japanese trading house Itochu. Vietnamese companies such as Petro Vietnam and Binh Son Refining and Petrochemical Co. have also announced plans to invest in ethanol production facilities. These investments are expected to help boost the production capacity of the Vietnam ethanol market, making it more competitive with other energy sources.

Market Segmentation

Vietnam Ethanol market is segmented based on Type, Raw Material, Purity, Grade, Application, and Region. Based on Type, Vietnam ethanol market is divided into Bio Ethanol and Synthetic Ethanol. Based on Raw Material, Vietnam ethanol market is segmented into Sugar & Molasses, Cassava, Rice, Algal Biomass, Ethylene, and Lignocellulosic Biomass. Based on Purity, Vietnam ethanol market is divided into Denatured and Undenatured. Based on Grade, Vietnam ethanol market is segregated into Biofuel, Industrial, Food, and Others. Based on Application, Vietnam ethanol market is fragmented into Fuel & Fuel Additives, Beverages, Industrial Solvents, disinfectants, Personal Care, and Others. Based on region, Vietnam ethanol market is divided into Asia Pacific, Europe, North America, South America, and Middle East & Africa.

Market Players

Tung Lam Company Limited, Thinh Cuong Co. Ltd., Le Gia Co., Ltd, Duy Minh Joint Stock Company, Hanoi Liquor And Beverage Joint Stock Company, Sapa Trading & Services Company Limited, Anh Duy Trading Co., Ltd, Nguyen Khoi Trading Company Limited, Kim Ha Viet Company Limited, VMCGroup Vietnam Joint Stock Company, etc., are some of the key players operating in the Vietnam Ethanol Market.

Report Scope:

In this report, Vietnam Ethanol Market has been segmented into the following categories, in addition to the industry trends, which have also been detailed below:

□□ Ethanol Market, By Type:

- o□ Bio Ethanol

- o□ Synthetic Ethanol

□□ Ethanol Market, By Raw Material:

- o□ Sugar & Molasses

- o□ Cassava

- o□ Rice

- o□ Algal Biomass

- o□ Ethylene

- o□ Lignocellulosic Biomass

□□ Ethanol Market, By Purity:

- o□ Denatured

- o□ Undenatured

□□ Ethanol Market, By Grade:

- o□ Biofuel

- o□ Industrial

- o□ Food

- o□ Others

□□ Ethanol Market, By Application:

- o□ Fuel & Fuel Additives

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- o Beverages
- o Industrial Solvents
- o Personal Care
- o Disinfectants
- o Others

□ Ethanol Market, By Region:

- o Central Region
- o Southern Region
- o Northern Region

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Vietnam Ethanol 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).

Table of Contents:

1. Product Overview
2. Research Methodology
3. Executive Summary
4. Impact of Covid-19 on Vietnam Ethanol Market
5. Vietnam Ethanol Outlook
 - 5.1. Market Size & Forecast
 - 5.1.1. By Value & Volume
 - 5.2. Market Share & Forecast
 - 5.2.1. By Type (Bio Ethanol, Synthetic Ethanol)
 - 5.2.2. By Raw Material (Sugar & Molasses, Cassava, Rice, Algal Biomass, Ethylene, Lignocellulosic Biomass)
 - 5.2.3. By Purity (Denatured, Undenatured)
 - 5.2.4. By Grade (Biofuel, Industrial, Food, Others)
 - 5.2.5. By Application (Fuel & Fuel Additives, Beverages, Industrial Solvents, Personal Care, Disinfectant, Others)
 - 5.2.6. By Region (Central, Southern, Northern)
 - 5.2.7. By Company (2022)
 - 5.3. Market Map
6. Central Vietnam Ethanol Outlook
 - 6.1. Market Size & Forecast
 - 6.1.1. By Value
 - 6.2. Market Share & Forecast
 - 6.2.1. By Type
 - 6.2.2. By Purity
 - 6.2.3. By Grade
 - 6.2.4. By Application
7. Southern Vietnam Ethanol Outlook
 - 7.1. Market Size & Forecast
 - 7.1.1. By Value
 - 7.2. Market Share & Forecast

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- 7.2.1. By Type
- 7.2.2. By Purity
- 7.2.3. By Grade
- 7.2.4. By Application
- 8. Northern Vietnam Ethanol Outlook
- 8.1. Market Size & Forecast
- 8.1.1. By Value & Volume
- 8.2. Market Share & Forecast
- 8.2.1. By Type
- 8.2.2. By Purity
- 8.2.3. By Grade
- 8.2.4. By Application
- 9. Market Dynamics
- 9.1. Drivers
- 9.2. Challenges
- 10. Market Trends & Developments
- 10.1. Merger & Acquisition
- 10.2. Product Development
- 10.3. Recent Developments
- 11. Vietnam Ethanol Market: SWOT Analysis
- 12. Porters Five Forces Analysis
- 13. Import & Export Analysis
- 14. Policy & Regulatory Landscape
- 15. Vietnam Economic Profile
- 16. Competitive Landscape
- 16.1. Tung Lam Company Limited
- 16.2. Thinh Cuong Co. Ltd.
- 16.3. Le Gia Co., Ltd
- 16.4. Duy Minh Joint Stock Company
- 16.5. Hanoi Liquor And Beverage Joint Stock Company
- 16.6. Sapa Trading & Services Company Limited
- 16.7. Anh Duy Trading Co., Ltd
- 16.8. Nguyen Khoi Trading Company Limited
- 16.9. Kim Ha Viet Company Limited
- 16.10. VMCGroup Vietnam Joint Stock Company
- 17. Strategic Recommendations
- 18. About Us & Disclaimer

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