

## **Bio Naphtha Market Size and Share Outlook - Forecast Trends and Growth Analysis Report (2025-2034)**

Market Report | 2025-07-21 | 153 pages | EMR Inc.

### **AVAILABLE LICENSES:**

- Single User License \$5039.00
- Five User License \$5949.00
- Corporate License \$7190.00

### **Report description:**

The global market size for bio naphtha reached an approximate size of 645.41 Thousand Tons by volume in 2024. The global bio naphtha market is expected to grow at a CAGR of 19.00% between 2025 and 2034, to reach a volume of 3675.41 Thousand Tons by 2034.

### **News and Development in the Market**

In September 2023, Keenan Recycling, a national food waste recycling business, unveiled its new hybrid vehicle at RWM & Letsrecycle Live in Birmingham. This vehicle replaces fossil diesel fuel with a mixture of hydrotreated vegetable oil (HVO) and hydrogen gas, resulting in a reduction in carbon dioxide emissions. This allows the company to draw further economic and environmental utilisation from food waste.

In February 2023, Honeywell UOP, using its Ecofining technology, that it jointly developed with Eni SpA, formulated a process for producing high yields of bio naphtha from bio based feedstock such as cooking oil and animal fats. It claims that this process reduces greenhouse gas and carbon dioxide emissions.

In December 2021, Mitsui Chemicals, a Japanese petrochemical producer, announced that it started producing 3000t of bio naphtha as its contribution to 2050 decarbonisation goal. It plans to combine bio naphtha with conventional naphtha to manufacture bio-petrochemical products, supplementing the global bio naphtha market.

In June 2021, Neste announced a long-term agreement with LyondellBasell, one of the world's largest plastics and chemicals companies. Under the agreement, LyondellBasell would source Neste's 100% renewable feedstock Neste RE, made from bio-based sources. The feedstock would be processed by LyondellBasell in Germany to produce polymers under the brand CirculenRenew.

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

In January 2021, UPM BioFuels announced the expansion of its biofuel capabilities, starting the engineering phase of a next generation biorefinery. The new refinery is expected to have an annual production capacity of 500,000 tonnes, scaling up the capabilities of UPM BioFuels. The new biorefinery would introduce multiple sustainable feedstocks and lower CO2 emissions.

#### Key Trends in the Market

Naphtha is a flammable liquid hydrocarbon mixture, and bio naphtha refers to naphtha produced by the hydro treatment of the renewable sources. It consists of mainly paraffin and is obtained from exhausted food oils, vegetable oils, or any organic waste such as petroleum distillates. They are used as a feedstock for petrochemical crackers.

- The key drivers of the bio naphtha market are the rising demand for home decor materials, consumer electronics and automotive vehicles. The promotion of bio-based petrol and diesel by governments worldwide is also helping in the upsurge of demand in the market.
- Several experiments highlight the progress made in the cracking of naphtha, which is a key trend in the bio naphtha market. The demand for increased light olefin yields has encouraged the study of steam cracking of renewable naphtha and also paved new roads in the market, helping in the overall growth of the market globally.
- Strict implementation of government policies regarding pollution, fuel blending practices, and fuel composition by regulatory bodies has encouraged the majority of the population to accept the use of renewable fuels such as bio naphtha. These developments will increase the growth of the bio naphtha market year-over-year at a fast rate.
- Increase in adoption of advanced technology such as NExBTL helps in the production of bioplastics which in turn can be used in industries that use renewable raw materials like automotive industries. Bioplastics can be recycled with conventional fossil-based plastic products, and then used in energy generation as a fuel.

#### Market Segmentation

The EMR's report titled "Bio Naphtha Market Report and Forecast 2025-2034" offers a detailed analysis of the market based on the following segments:

##### Market Breakup by Source

- HVO (Hydrogenated Vegetable Oil)
- SAF (Sustainable Aviation Fuel)
- Others

##### Market Breakup by End-Use

- Petrochemicals
- Transportation
- Utilities
- Others

##### Market Breakup by Distribution Channels

- Direct

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- Indirect

#### Market Breakup by Region

- North America
- Europe
- Asia Pacific
- Latin America
- Middle East and Africa

#### Market Share by Source

Bio naphtha is a by-product of hydrogenated vegetable oil and sustainable aviation fuel. Due to the nature of hydrogenated vegetable oil technology it finds wide applications in conventional petroleum refineries. This technology can be easily adapted and used to produce conventional equipment and logistics for ships. It also has low capital costs due to high credit values. These plants are actively spread across North America, Europe and Asia and are slowly expanding in South America too, supporting the growth of the bio naphtha market.

Sustainable aviation fuel acts as a replacement for jet fuel. It is an essential contributing factor to the decarbonisation of the aviation industry. Although it's still lacking in terms of legislative support from the world, European countries have already made it mandatory to blend sustainable aviation fuel for conventional jets.

#### Market Share by Region

The Asia Pacific has been leading the global bio naphtha market by region because of the rising consumption of plastic by the countries of the region and also due to rapid growth in end-user industries such as petrochemical, transportation and utilities. China, India and Japan are the major countries influencing the market in the Asia Pacific. Technological developments such as increase in chemical factories in China and rise in enhanced distillation methods is another factor influencing the market.

Moreover, Arab Gulf countries also play a major role in global biofuels supply by exporting a large volume of feedstock for bio naphtha, mainly as used cooking oil and hydrogenated vegetable oil. The steady feedstock supply is contributing in the progress of the bio naphtha market regionally and globally.

#### Competitive Landscape

The comprehensive EMR report provides an in-depth assessment of the market based on Porter's five forces model along with giving a SWOT analysis. The report gives a detailed analysis of the following key players in the global bio naphtha market, covering their competitive landscape and latest developments.

#### Neste Oil

Neste Oil is the world's largest producer of renewable diesel and was established in 1948. It is an oil refining and marketing company located in Finland. It is the world's first company to supply bio naphtha on a commercial scale. It concentrates on low-emission and high-quality traffic fuels for better functioning of society. NExBTL was launched by the company to produce bioplastics that can be beneficially used in various industries.

#### UPM Corporation

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

UPM Corporation was established in 2015 in Finland and has a strong presence in the bio naphtha market. Its products can be used in place of fossil-fuel raw materials in numerous innovative products such as plastics, glue, and films. UPM BioVerno is a key product line of the company. It assures to be 100% bio-based and offer products with similar properties to fossil-based naphtha.

Eni S.p.A

Eni S.p.A, a global energy company, was founded in 1953 in Milan, Italy. They work to support changes that create long-term value and provide an opportunity for all to have access to dependable and clean energy. It focuses on issues such as decarbonisation while working to protect the environment. They believe to be getting closer to their goal of decarbonisation by 2040 by providing their clients with decarbonised products and services.

Other market players include Total Energies SE, Royal Dutch Shell Plc, Sunshine Kaidi New Energy Group Co., Ltd., Preem AB, OMV Group, Repsol S.A., Phillips 66 and others.

## **Table of Contents:**

- 1 Executive Summary
  - 1.1 Market Size 2024-2025
  - 1.2 Market Growth 2025(F)-2034(F)
  - 1.3 Key Demand Drivers
  - 1.4 Key Players and Competitive Structure
  - 1.5 Industry Best Practices
  - 1.6 Recent Trends and Developments
  - 1.7 Industry Outlook
- 2 Market Overview and Stakeholder Insights
  - 2.1 Market Trends
  - 2.2 Key Verticals
  - 2.3 Key Regions
  - 2.4 Supplier Power
  - 2.5 Buyer Power
  - 2.6 Key Market Opportunities and Risks
  - 2.7 Key Initiatives by Stakeholders
- 3 Economic Summary
  - 3.1 GDP Outlook
  - 3.2 GDP Per Capita Growth
  - 3.3 Inflation Trends
  - 3.4 Democracy Index
  - 3.5 Gross Public Debt Ratios
  - 3.6 Balance of Payment (BoP) Position
  - 3.7 Population Outlook
  - 3.8 Urbanisation Trends
- 4 Country Risk Profiles
  - 4.1 Country Risk
  - 4.2 Business Climate
- 5 Global Bio Naphtha Market Analysis

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 5.1 Key Industry Highlights
- 5.2 Global Bio naphtha Historical Market (2018-2024)
- 5.3 Global Bio naphtha Market Forecast (2025-2034)
- 5.4 Global Bio naphtha Market by Source
  - 5.4.1 HVO (Hydrogenated Vegetable Oil)
    - 5.4.1.1 Historical Trend (2018-2024)
    - 5.4.1.2 Forecast Trend (2025-2034)
  - 5.4.2 SAF (Sustainable Aviation Fuel)
    - 5.4.2.1 Historical Trend (2018-2024)
    - 5.4.2.2 Forecast Trend (2025-2034)
  - 5.4.3 Others
- 5.5 Global Bio naphtha Market by End-Use
  - 5.5.1 Petrochemicals
    - 5.5.1.1 Historical Trend (2018-2024)
    - 5.5.1.2 Forecast Trend (2025-2034)
  - 5.5.2 Transportation
    - 5.5.2.1 Historical Trend (2018-2024)
    - 5.5.2.2 Forecast Trend (2025-2034)
  - 5.5.3 Utilities
    - 5.5.3.1 Historical Trend (2018-2024)
    - 5.5.3.2 Forecast Trend (2025-2034)
  - 5.5.4 Others
- 5.6 Global Bio naphtha Market by Distribution Channels
  - 5.6.1 Direct
    - 5.6.1.1 Historical Trend (2018-2024)
    - 5.6.1.2 Forecast Trend (2025-2034)
  - 5.6.2 Indirect
    - 5.6.2.1 Historical Trend (2018-2024)
    - 5.6.2.2 Forecast Trend (2025-2034)
- 5.7 Global Bio naphtha Market by Region
  - 5.7.1 North America
    - 5.7.1.1 Historical Trend (2018-2024)
    - 5.7.1.2 Forecast Trend (2025-2034)
  - 5.7.2 Europe
    - 5.7.2.1 Historical Trend (2018-2024)
    - 5.7.2.2 Forecast Trend (2025-2034)
  - 5.7.3 Asia Pacific
    - 5.7.3.1 Historical Trend (2018-2024)
    - 5.7.3.2 Forecast Trend (2025-2034)
  - 5.7.4 Latin America
    - 5.7.4.1 Historical Trend (2018-2024)
    - 5.7.4.2 Forecast Trend (2025-2034)
  - 5.7.5 Middle East and Africa
    - 5.7.5.1 Historical Trend (2018-2024)
    - 5.7.5.2 Forecast Trend (2025-2034)
- 6 North America Bio naphtha Market Analysis
  - 6.1 United States of America

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 6.1.1 Historical Trend (2018-2024)
- 6.1.2 Forecast Trend (2025-2034)
- 6.2 Canada
  - 6.2.1 Historical Trend (2018-2024)
  - 6.2.2 Forecast Trend (2025-2034)
- 7 Europe Bio naphtha Market Analysis
  - 7.1 United Kingdom
    - 7.1.1 Historical Trend (2018-2024)
    - 7.1.2 Forecast Trend (2025-2034)
  - 7.2 Germany
    - 7.2.1 Historical Trend (2018-2024)
    - 7.2.2 Forecast Trend (2025-2034)
  - 7.3 France
    - 7.3.1 Historical Trend (2018-2024)
    - 7.3.2 Forecast Trend (2025-2034)
  - 7.4 Italy
    - 7.4.1 Historical Trend (2018-2024)
    - 7.4.2 Forecast Trend (2025-2034)
  - 7.5 Others
- 8 Asia Pacific Bio naphtha Market Analysis
  - 8.1 China
    - 8.1.1 Historical Trend (2018-2024)
    - 8.1.2 Forecast Trend (2025-2034)
  - 8.2 Japan
    - 8.2.1 Historical Trend (2018-2024)
    - 8.2.2 Forecast Trend (2025-2034)
  - 8.3 India
    - 8.3.1 Historical Trend (2018-2024)
    - 8.3.2 Forecast Trend (2025-2034)
  - 8.4 ASEAN
    - 8.4.1 Historical Trend (2018-2024)
    - 8.4.2 Forecast Trend (2025-2034)
  - 8.5 Australia
    - 8.5.1 Historical Trend (2018-2024)
    - 8.5.2 Forecast Trend (2025-2034)
  - 8.6 Others
- 9 Latin America Bio naphtha Market Analysis
  - 9.1 Brazil
    - 9.1.1 Historical Trend (2018-2024)
    - 9.1.2 Forecast Trend (2025-2034)
  - 9.2 Mexico
    - 9.2.1 Historical Trend (2018-2024)
    - 9.2.2 Forecast Trend (2025-2034)
  - 9.3 Argentina
    - 9.3.1 Historical Trend (2018-2024)
    - 9.3.2 Forecast Trend (2025-2034)
  - 9.4 Others

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

[www.scotts-international.com](http://www.scotts-international.com)

- 10 Middle East and Africa Bio naphtha Market Analysis
  - 10.1 Saudi Arabia
    - 10.1.1 Historical Trend (2018-2024)
    - 10.1.2 Forecast Trend (2025-2034)
  - 10.2 United Arab Emirates
    - 10.2.1 Historical Trend (2018-2024)
    - 10.2.2 Forecast Trend (2025-2034)
  - 10.3 South Africa
    - 10.3.1 Historical Trend (2018-2024)
    - 10.3.2 Forecast Trend (2025-2034)
  - 10.4 Others
- 11 Market Dynamics
  - 11.1 SWOT Analysis
    - 11.1.1 Strengths
    - 11.1.2 Weaknesses
    - 11.1.3 Opportunities
    - 11.1.4 Threats
  - 11.2 Porter's Five Forces Analysis
    - 11.2.1 Supplier's Power
    - 11.2.2 Buyer's Power
    - 11.2.3 Threat of New Entrants
    - 11.2.4 Degree of Rivalry
    - 11.2.5 Threat of Substitutes
  - 11.3 Key Indicators for Demand
  - 11.4 Key Indicators for Price
- 12 Price Analysis
  - 12.1 North America Historical Price Trends (2018-2024) and Forecast (2025-2034)
  - 12.2 Europe Historical Price Trends (2018-2024) and Forecast (2025-2034)
  - 12.3 Asia Pacific Historical Price Trends (2018-2024) and Forecast (2025-2034)
  - 12.4 Latin America Historical Price Trends (2018-2024) and Forecast (2025-2034)
  - 12.5 Middle East and Africa Historical Price Trends (2018-2024) and Forecast (2025-2034)
- 13 Competitive Landscape
  - 13.1 Supplier Selection
  - 13.2 Key Global Players
  - 13.3 Key Regional Players
  - 13.4 Key Player Strategies
  - 13.5 Company Profiles
    - 13.5.1 Neste Oil
      - 13.5.1.1 Company Overview
      - 13.5.1.2 Product Portfolio
      - 13.5.1.3 Demographic Reach and Achievements
      - 13.5.1.4 Certifications
    - 13.5.2 UPM Corporation
      - 13.5.2.1 Company Overview
      - 13.5.2.2 Product Portfolio
      - 13.5.2.3 Demographic Reach and Achievements
      - 13.5.2.4 Certifications

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 13.5.3 Eni S.p.A.
  - 13.5.3.1 Company Overview
  - 13.5.3.2 Product Portfolio
  - 13.5.3.3 Demographic Reach and Achievements
  - 13.5.3.4 Certifications
- 13.5.4 Total Energies SE
  - 13.5.4.1 Company Overview
  - 13.5.4.2 Product Portfolio
  - 13.5.4.3 Demographic Reach and Achievements
  - 13.5.4.4 Certifications
- 13.5.5 Royal Dutch Shell Plc
  - 13.5.5.1 Company Overview
  - 13.5.5.2 Product Portfolio
  - 13.5.5.3 Demographic Reach and Achievements
  - 13.5.5.4 Certifications
- 13.5.6 Sunshine Kaidi New Energy Group Co., Ltd.
  - 13.5.6.1 Company Overview
  - 13.5.6.2 Product Portfolio
  - 13.5.6.3 Demographic Reach and Achievements
  - 13.5.6.4 Certifications
- 13.5.7 Preem AB
  - 13.5.7.1 Company Overview
  - 13.5.7.2 Product Portfolio
  - 13.5.7.3 Demographic Reach and Achievements
  - 13.5.7.4 Certifications
- 13.5.8 OMV Group
  - 13.5.8.1 Company Overview
  - 13.5.8.2 Product Portfolio
  - 13.5.8.3 Demographic Reach and Achievements
  - 13.5.8.4 Certifications
- 13.5.9 Repsol, S.A.
  - 13.5.9.1 Company Overview
  - 13.5.9.2 Product Portfolio
  - 13.5.9.3 Demographic Reach and Achievements
  - 13.5.9.4 Certifications
- 13.5.10 Phillips 66
  - 13.5.10.1 Company Overview
  - 13.5.10.2 Product Portfolio
  - 13.5.10.3 Demographic Reach and Achievements
  - 13.5.10.4 Certifications
- 13.5.11 Others
- 13.6 Consumer Analysis
  - 13.6.1 Dow, Inc
    - 13.6.1.1 Company Overview
    - 13.6.1.2 Product Portfolio
    - 13.6.1.3 Demographic Reach and Achievements
    - 13.6.1.4 Certifications

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

- 13.6.2 INEOS Group
  - 13.6.2.1 Company Overview
  - 13.6.2.2 Product Portfolio
  - 13.6.2.3 Demographic Reach and Achievements
  - 13.6.2.4 Certifications
- 13.6.3 LyondellBasell Industries N.V.
  - 13.6.3.1 Company Overview
  - 13.6.3.2 Product Portfolio
  - 13.6.3.3 Demographic Reach and Achievements
  - 13.6.3.4 Certifications
- 13.6.4 SABIC
  - 13.6.4.1 Company Overview
  - 13.6.4.2 Product Portfolio
  - 13.6.4.3 Demographic Reach and Achievements
  - 13.6.4.4 Certifications
- 13.6.5 BASF SE
  - 13.6.5.1 Company Overview
  - 13.6.5.2 Product Portfolio
  - 13.6.5.3 Demographic Reach and Achievements
  - 13.6.5.4 Certifications
- 13.6.6 Borealis AG
  - 13.6.6.1 Company Overview
  - 13.6.6.2 Product Portfolio
  - 13.6.6.3 Demographic Reach and Achievements
  - 13.6.6.4 Certifications
- 13.6.7 Others

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

**Bio Naphtha Market Size and Share Outlook - Forecast Trends and Growth Analysis Report (2025-2034)**

Market Report | 2025-07-21 | 153 pages | EMR Inc.

To place an Order with Scotts International:

- Print this form
- Complete the relevant blank fields and sign
- Send as a scanned email to support@scotts-international.com

**ORDER FORM:**

Select license	License	Price
	Single User License	\$5039.00
	Five User License	\$5949.00
	Corporate License	\$7190.00
		VAT
		Total

\*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

\*\* VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2026-03-06"/>
		Signature	

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

