

Alpha Olefin Market: Segmented By Type (1-Butene, 1-Hexene, 1-Octene, 1-Decene, 1-Dodecene), By Application (Polyolefin Comonomers, Surfactants And Intermediates, Lubricants, Fine Chemicals, Plasticizers, Oil Field Chemicals, And Others), And Region – Global Analysis Of Market Size, Share & Trends For 2019–2020 And Forecasts To 2031

<https://marketpublishers.com/r/A0D8A60C59DCEN.html>

Date: April 2022

Pages: 178

Price: US\$ 5,000.00 (Single User License)

ID: A0D8A60C59DCEN

Abstracts

[173 + Pages Research Report] Global Alpha Olefin Market to surpass USD 18.2 billion by 2031 from USD 11 billion in 2021 at a CAGR of 5.20% in the coming years, i.e., 2021-31.

Product Overview

Alpha-olefins are similar to organic compounds which are alkenes (also known as olefins), differentiated by having a double bond at the primary or alpha (?) position. This location of a double bond improves the reactivity of the compound and makes it beneficial for various uses.

Market Highlights

Global Alpha Olefin market is expected to project a notable CAGR of 9.25% in 2031.

The growing demand from the end-use industries such as plastics and automotive is fueling the market of alpha-olefins. Alpha olefins are applied in the production of polyethylene. Therefore, the increasing demand from the plastics industry for polyethylene production is anticipated to boost the market for alpha-olefins.

Global Mint Essential Oil: Segments

1-Butene segment to grow with the highest CAGR during 2021-31

Global Alpha Olefin market is classified on the basis of Type into 1-Butene, 1-Hexene, 1-Octene, 1-Decene, 1-Dodecene. 1-Butene segment dominates the market share globally. The presence of double bond makes this element more reactive and suitable for several applications. It is used as a comonomer in the production of polyethylene. It is also used in the production of aldehydes to make fatty acids for plasticizers. This type of alpha-olefin tends to modify the properties of polyethylene to meet the specific requirements of many end-use industries.

Polyolefin Comonomers segment to grow with the highest CAGR during 2021-31

Based on application, global Alpha Olefin Market fragmented into Polyolefin Comonomers, Surfactants and Intermediates, Lubricants, Fine Chemicals, Plasticizers, Oil Field Chemicals, And Others. Polyolefin Comonomers has the maximum share in the market. The major factors driving the polyolefin comonomers market are the strong growth in the developing economies such as China, India, and Brazil and the increasing demand from packaging and plastic molding & injection industries. Furthermore, the expansions in the polymer technology will also contribute to its growth.

Market Dynamics

Drivers

Increasing demand for PAO-based synthetic lubricants

PAOs gained a high popularity as a high-performance lubricants because they possess highly desirable features such as high viscosity index, thermal stability, oxidative stability, compatibility with mineral oils, and low poisonousness. PAOs not only provide the benefits of technical performance but also continue the quality of the environment in certain subtle applications. PAO-based synthetic lubricants deliver high performance in offshore drilling uses that include environmental alarms. Moreover, certain PAOs are biodegradable, thus, can be applied as a substitute for vegetable-based oils.

Growing R&D investments

A new concept to produce alpha-olefins from biomass has been adopted by several research laboratories and universities. In 2010, researchers showed that the medium-chain length free fatty acids can be manufactured by E. coli using sugars as a carbon source. The research makes use of codon-optimized eukaryotic and prokaryotic

enzyme sources. The projects reported 35-40% of the theoretical yields with 2.7 g/L being attained that compares favorably with the recent research reports. Thus, growth in research and development department fuel the overall market globally.

Restraint

High price of raw material

With the surge in the cost of raw materials, the cost of manufacturing alpha-olefins also increases. This increases the overall expense of the manufacturers. Furthermore, the shifting focus of the manufacturers toward high technologies hinders the growth of the alpha olefins market. With the use of advanced technologies, the cost of manufacturing increases, as it needs high capital to adopt the new technologies. Therefore, with the increase in cost of production, the price of alpha-olefins may increase.

Global Mint Essential Oil: Key Players

Royal Dutch Shell (The Netherlands)

Company Overview, Business Strategy, Key Product Offerings, Financial Performance, Key Performance Indicators, Risk Analysis, Recent Development, Regional Presence, SWOT Analysis

Chevron Phillips Chemical Company (U.S.)

Ineos (Switzerland)

SABIC (Saudi Arabia)

Sasol (South Africa)

Evonik Industries (Germany)

The Dow Chemical Company (U.S.)

ExxonMobil (U.S.)

PJSC Nizhnekamskneftekhim (Russia)

JAM Petrochemicals Company (Iran)

Other Prominent Players

Global Mint Essential Oil: Regions

Global Alpha Olefin market is segmented based on regional analysis into five major regions: North America, Latin America, Europe, Asia Pacific, and the Middle East and Africa. North America dominates the Alpha Olefin market. e region has a huge potential for the alpha olefins market as the region has a vast and varied industrial base. The growth in North America is mainly due to the continuous expansion of oil & gas and petrochemical infrastructure in the U.S., Canada, and Mexico. North America is considered as a potential investment hub for alpha olefins production by various

domestic as well as foreign prominent players because of its vast natural resources reserves.

Global Alpha Olefin is further segmented by region into:

North America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United States and Canada

Latin America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – Mexico, Argentina, Brazil, and Rest of Latin America

Europe Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United Kingdom, France, Germany, Italy, Spain, Belgium, Hungary, Luxembourg, Netherlands, Poland, NORDIC, Russia, Turkey, and Rest of Europe

Asia Pacific Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – India, China, South Korea, Japan, Malaysia, Indonesia, New Zealand, Australia, and Rest of APAC

Middle East and Africa Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – North Africa, Israel, GCC, South Africa, and Rest of MENA

Global Alpha Olefin report also contains analysis on:

Alpha Olefin Segments:

By Type

1-Butene

1-Hexene

1-Octene

1-Decene

1-Dodecene

By Application

Polyolefin Comonomers

Surfactants And Intermediates

Lubricants

Fine Chemicals

Plasticizers

Oil Field Chemicals

Others

Alpha Olefin Dynamics

Alpha Olefin Size

Supply & Demand

Current Trends/Issues/Challenges

Competition & Companies Involved in the Market

Value Chain of the Market

Market Drivers and Restraints

Alpha Olefin Market Report Scope and Segmentation

Report Attribute Details

Market size value in 2021 USD 11 billion

Revenue forecast in 2031 USD 18.2 billion

Growth Rate CAGR of 5.20% from 2021 to 2031

Base year for estimation 2020

Quantitative units Revenue in USD million and CAGR from 2021 to 2030

Report coverage Revenue forecast, company ranking, competitive landscape, growth factors, and trends

Segments covered Type, Application, and Region

Regional scope North America, Europe, Asia Pacific, Latin America, Middle East & Africa (MEA)

Key companies profiled Royal Dutch Shell (The Netherlands), Chevron Phillips Chemical Company (U.S.), Ineos (Switzerland), SABIC (Saudi Arabia), Sasol (South Africa), Evonik Industries (Germany), The Dow Chemical Company (U.S.), ExxonMobil (U.S.), PJSC Nizhnekamskneftekhim (Russia), JAM Petrochemicals Company (Iran) and Other Prominent Players

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3. INEOS (SWITZERLAND)

4. SABIC (SAUDI ARABIA)

5. SASOL (SOUTH AFRICA)

6. EVONIK INDUSTRIES (GERMANY)

7. THE DOW CHEMICAL COMPANY (U.S.)

8. EXXONMOBIL (U.S.)

9. PJSC NIZHNEKAMSKNEFTEKHIM (RUSSIA)

10. JAM PETROCHEMICALS COMPANY (IRAN)

11. OTHER PROMINENT PLAYERS

Consultant Recommendation

****The above-given segmentations and companies could be subjected to further modification based on in-depth feasibility studies conducted for the final deliverable.**

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