

1-Decene Market Report by Derivative (Polyalphaolefins, Oxo Alcohols, Linear Alkyl Benzene, Linear Mercaptans, Chlorinated Alpha Olefins, and Others), Grade (Bio-Based, Synthetic), Application (Surfactants, Plasticizers, Synthetic Lubricants, Polyethylene, and Others), and Region 2024-2032

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Abstracts

The global 1-decene market size reached US\$ 1.3 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 2.0 Billion by 2032, exhibiting a growth rate (CAGR) of 5.1% during 2024-2032.

1-Decene is a hydrocarbon that belongs to the alkene group and consists of a chain of ten carbon atoms with one double bond. It is a white, clear, mobile liquid with a pleasant odor that is toxic in nature. It is commonly produced by the oligomerization of ethylene or by cracking higher carbon content petroleum waxes. 1-Decene is widely used as a monomer in copolymers and as an intermediate in the production of oxo alcohols, epoxides, alkylated aromatics, amines, and synthetic fatty acids. It is usually stored under a nitrogen blanket and exhibits anti-corrosive properties. As a result, it is used in perfumes, oils, dyes, pharmaceuticals, resins, dough dividing machines, industrial gear systems, automatic transmission engines, and marine applications.

1-Decene Market Trends:

The increasing utilization of 1-decene in the production of polyalphaolefin (PAO) is creating a positive outlook for the market. PAO is a synthetic lubricant that is widely utilized in the automotive and manufacturing industries as a transmission, compressor, lube-oil added substance and gear oil. Apart from this, the rising consumption of

packaged food products is acting as another growth-inducing factor as 1-decene is employed to produce polymers, such as polyethylene, that are used to pack these items. They are also used as food additives, glazing and polishing agents, which, in turn, has intensified their adoption in the food and beverage (F&B) industry. Additionally, 1-decene is widely used as a chemical intermediate in the production of detergents and their derivatives that are further incorporated in the manufacturing of industrial surfactants. This is facilitating their usage in end use industries, which is consequently creating a positive outlook for the market. Other factors, including the rising expenditure capacities of consumers, decrease in the prices of raw materials, and significant expansion in the automotive industry, are anticipated to drive the market toward growth.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global 1-decene market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on derivative, grade and application.

Breakup by Derivative:

- Polyalphaolefins
- Oxo Alcohols
- Linear Alkyl Benzene
- Linear Mercaptans
- Chlorinated Alpha Olefins
- Others

Breakup by Grade:

- Bio-Based
- Synthetic

Breakup by Application:

- Surfactants
- Plasticizers
- Synthetic Lubricants
- Polyethylene
- 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 Alfa Aesar (Thermo Fisher Scientific), Angene Chemical Private Limited, Chevron Phillips Chemical Company LLC, Gelest Inc. (Mitsubishi Chemical Corporation), Idemitsu Kosan Company Ltd., Ineos Group Ltd, Merck KGaA, PJSC Nizhnekamskneftekhim, Saudi Basic Industries Corporation and Spectrum Laboratory Products Inc.

Key Questions Answered in This Report

1. What was the size of the global 1-decene market in 2023?

2. What is the expected growth rate of the global 1-decene market during 2024-2032?
3. What are the key factors driving the global 1-decene market?
4. What has been the impact of COVID-19 on the global 1-decene market?
5. What is the breakup of the global 1-decene market based on the derivative?
6. What is the breakup of the global 1-decene market based on grade?
7. What is the breakup of the global 1-decene market based on the application?
8. What are the key regions in the global 1-decene market?
9. Who are the key players/companies in the global 1-decene market?

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