

1-Decene Market Report and Forecast 2025-2034

Market Report | 2025-07-21 | 150 pages | EMR Inc.

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Report description:

The global 1-Decene market is estimated to grow in the forecast period of 2025-2034 at a CAGR of 4.30% to reach a valuation of about USD 1.73 Billion by 2034.

North America Holds a Significant Share in the Market Growth of 1-Decene

North America is holding a significant share in the 1-Decene market on account of the growing shale gas exploration in the region coupled with the increasing production of Polyalphaolefins (PAO). For example, ExxonMobil Chemical is one of the largest chemical companies worldwide. It has witnessed the largest production capacity of polyalphaolefins worldwide over the past few years and is expected to fuel the market growth of 1-Decene across North America.

The rising demand from the automotive industry along with the increasing awareness about environment-friendly products are likely to propel the market growth of 1-Decene in the North American region. Meanwhile, the Asia Pacific is likely to be a substantial market over the forecast period. This is on account of the rising dishwashing and detergents industry as detergent alcohols and their dependents are major raw materials used as surfactants in clothing and dishwashing applications.

Market Segmentation

1-Decene is a decane alkene with one double bond at position 1, and acts as a metabolite. It is an unsaturated hydrocarbon, with the chemical formula $C_{10}H_{20}$. It includes a chain of 10 carbon atoms with one double bond. It is a colourless liquid with a watery consistency and a generally pleasant odour.

By derivative, the 1-Decene market is divided into:

- Polyalphaolefins
- Polyethylene

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- Detergent Alcohols
- Others

The EMR report looks into the regional markets of 1-Decene like:

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

Rapid growth in the Polyalphaolefins Segment to Propel the Market Growth of 1-Decene

Based on derivatives, the polyalphaolefins segment is expected to fuel market growth over the coming years on account of high usage of 1-Decene in the automotive and manufacturing sectors. The rising consumption of 1-Decene as transmission oil, compressor oil, gear oil, and lube-oil added substance is likely to drive the growth of the polyalphaolefins segment in the market.

Moreover, 1-Decene is generally used as a raw material in the PAO industry to produce high-performance lubricants utilised in the oil & gas industry. Accordingly, this segment is expected to fuel the market growth over the upcoming years. The surging demand for surfactants as a chemical intermediate is further anticipated to drive the market demand for 1-Decene during the forecast period.

Key Players in the Global Market for 1-Decene

The report presents a detailed analysis of the following key players in the global 1-Decene market, looking into their capacity, market shares, and latest developments like capacity expansions, plant turnarounds, and mergers and acquisitions:

- Chevron Phillips Chemical Company LP
- PJSC Nizhnekamskneftekhim
- INEOS
- SABIC
- Qatar Chemical Company Ltd
- Spectrum Chemical
- Others

The comprehensive report looks into the macro and micro aspects of the market. The EMR report gives an in-depth insight into the market by providing a SWOT analysis as well as an analysis of Porter's Five Forces model.

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