

Global 1-Decene Market Size Study & Forecast, by Derivative (Polyalphaolefins and Oxo Alcohols) and Regional Forecasts 2025-2035

<https://marketpublishers.com/r/GD478FDB4EB3EN.html>

Date: June 2025

Pages: 285

Price: US\$ 3,218.00 (Single User License)

ID: GD478FDB4EB3EN

Abstracts

The Global 1-Decene Market is valued at approximately USD 0.74 billion in 2024 and is projected to expand with a robust CAGR of 6.7% over the forecast period 2025–2035. 1-Decene, a linear alpha olefin, is a crucial building block employed in the synthesis of a wide range of chemical intermediates including polyalphaolefins (PAOs) and oxo alcohols. These derivatives play an integral role across high-performance lubricant formulations, plasticizers, and surfactant-based applications. Owing to its superior molecular structure and reactivity, 1-Decene has become the preferred monomer in advanced industrial applications. The increasing shift toward synthetic lubricants, especially in the automotive and industrial sectors due to their high viscosity index and oxidative stability, has directly contributed to the burgeoning demand for 1-Decene.

As global regulatory frameworks increasingly tilt in favor of sustainability and emission reduction, industries are actively pivoting toward cleaner, more efficient chemical intermediates such as 1-Decene. PAOs, synthesized from 1-Decene, are witnessing surging adoption in engine oils, transmission fluids, and industrial greases owing to their extended drain intervals and thermal stability. Similarly, oxo alcohols derived from 1-Decene are gaining ground in plasticizer production and surfactant manufacturing, driven by rising urbanization and consumer goods proliferation. However, the industry grapples with challenges including volatility in feedstock prices and supply chain constraints stemming from geopolitical tensions and environmental regulations on petrochemical operations.

From a geographical standpoint, North America commanded the dominant market share in 2024, backed by the presence of major synthetic lubricant manufacturers, expansive automotive production capacities, and strategic investments in downstream

petrochemical facilities. Europe, bolstered by stringent environmental norms and its matured automotive aftermarket, also contributes significantly to global revenues. Meanwhile, Asia Pacific is anticipated to emerge as the fastest-growing region during the forecast window. Rapid industrialization, booming automotive markets in countries such as China and India, and escalating demand for high-efficiency lubricants and plasticizers are catalyzing regional demand. Additionally, increasing foreign investments in regional petrochemical infrastructure and expansions of local production capacities are setting the stage for exponential growth across emerging Asian economies.

Major market player included in this report are:

Chevron Phillips Chemical Company

Sasol Limited

INEOS Group

Shell Chemicals

ExxonMobil Corporation

SABIC

Qatar Chemical Company Ltd.

Idemitsu Kosan Co., Ltd.

PJSC Nizhnekamskneftekhim

The Dow Chemical Company

Linde plc

TPC Group

Mitsubishi Chemical Corporation

Evonik Industries AG

LG Chem

Global 1-Decene Market Report Scope:

Historical Data – 2023, 2024

Base Year for Estimation – 2024

Forecast period - 2025-2035

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analysts' working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values for the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within the countries involved in the study. The report also provides detailed information about crucial aspects, such as driving factors and challenges, which will define the future growth of the market. Additionally, it incorporates potential opportunities in micro-markets for stakeholders to invest, along with a detailed analysis of the competitive landscape and product offerings of key players. The detailed segments and sub-segments of the market are explained below:

By Derivative:

Polyalphaolefins (PAOs)

Synthetic Lubricants

Others

Oxo Alcohols

Plasticizer Alcohols

Detergent Alcohols

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

Rest of Europe

Asia Pacific

China

India

Japan

Australia

South Korea

Rest of Asia Pacific

Latin America

Brazil

Mexico

Middle East & Africa

UAE

Saudi Arabia

South Africa

Rest of Middle East & Africa

Key Takeaways:

Market Estimates & Forecast for 10 years from 2025 to 2035.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market

approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

Contents

CHAPTER 1. GLOBAL 1-DECENE MARKET REPORT SCOPE & METHODOLOGY

- 1.1. Research Objective
- 1.2. Research Methodology
 - 1.2.1. Forecast Model
 - 1.2.2. Desk Research
 - 1.2.3. Top-Down and Bottom-Up Approach
- 1.3. Research Attributes
- 1.4. Scope of the Study
 - 1.4.1. Market Definition
 - 1.4.2. Market Segmentation
- 1.5. Research Assumption
 - 1.5.1. Inclusion & Exclusion
 - 1.5.2. Limitations
 - 1.5.3. Years Considered for the Study

CHAPTER 2. EXECUTIVE SUMMARY

- 2.1. CEO/CXO Standpoint
- 2.2. Strategic Insights
- 2.3. ESG Analysis
- 2.4. Key Findings

CHAPTER 3. GLOBAL 1-DECENE MARKET FORCES ANALYSIS

- 3.1. Market Forces Shaping the Global 1-Decene Market (2024–2035)
- 3.2. Drivers
 - 3.2.1. Escalating Demand for Synthetic Lubricants in Automotive & Industrial Sectors
 - 3.2.2. Stringent Sustainability and Emission Regulations
- 3.3. Restraints
 - 3.3.1. Feedstock Price Volatility
 - 3.3.2. Supply Chain Disruptions and Geopolitical Tensions
- 3.4. Opportunities
 - 3.4.1. Rapid Industrialization and Construction in Asia Pacific
 - 3.4.2. Technological Advancements in Alpha-Olefins Production
 - 3.4.3. Collaborations with Lubricant & Plasticizer Manufacturers

CHAPTER 4. GLOBAL 1-DECENE INDUSTRY ANALYSIS

- 4.1. Porter's Five Forces Model
 - 4.1.1. Bargaining Power of Buyers
 - 4.1.2. Bargaining Power of Suppliers
 - 4.1.3. Threat of New Entrants
 - 4.1.4. Threat of Substitutes
 - 4.1.5. Competitive Rivalry
- 4.2. Porter's Five Forces Forecast Model (2024–2035)
- 4.3. PESTEL Analysis
 - 4.3.1. Political
 - 4.3.2. Economic
 - 4.3.3. Social
 - 4.3.4. Technological
 - 4.3.5. Environmental
 - 4.3.6. Legal
- 4.4. Top Investment Opportunities
- 4.5. Top Winning Strategies (2025)
- 4.6. Market Share Analysis (2024–2025)
- 4.7. Global Pricing Analysis and Trends 2025
- 4.8. Analyst Recommendations & Conclusion

CHAPTER 5. GLOBAL 1-DECENE MARKET SIZE & FORECASTS BY DERIVATIVE 2025–2035

- 5.1. Market Overview
- 5.2. Polyalphaolefins (PAOs)
 - 5.2.1. Synthetic Lubricants – Top Countries Breakdown Estimates & Forecasts, 2024–2035
 - 5.2.2. Others – Top Countries Breakdown Estimates & Forecasts, 2024–2035
 - 5.2.3. Market Size Analysis by Region, 2025–2035
- 5.3. Oxo Alcohols
 - 5.3.1. Plasticizer Alcohols – Top Countries Breakdown Estimates & Forecasts, 2024–2035
 - 5.3.2. Detergent Alcohols – Top Countries Breakdown Estimates & Forecasts, 2024–2035
 - 5.3.3. Market Size Analysis by Region, 2025–2035

CHAPTER 6. GLOBAL 1-DECENE MARKET SIZE & FORECASTS BY REGION

2025–2035

6.1. Regional Market Snapshot

6.2. Top Leading & Emerging Countries

6.3. North America 1-Decene Market

6.3.1. U.S. 1-Decene Market – Application Breakdown Size & Forecasts, 2025–2035

6.3.2. Canada 1-Decene Market – Application Breakdown Size & Forecasts, 2025–2035

6.4. Europe 1-Decene Market

6.4.1. UK 1-Decene Market – Application Breakdown Size & Forecasts, 2025–2035

6.4.2. Germany 1-Decene Market – Application Breakdown Size & Forecasts, 2025–2035

6.4.3. France 1-Decene Market – Application Breakdown Size & Forecasts, 2025–2035

6.4.4. Spain 1-Decene Market – Application Breakdown Size & Forecasts, 2025–2035

6.4.5. Italy 1-Decene Market – Application Breakdown Size & Forecasts, 2025–2035

6.4.6. Rest of Europe 1-Decene Market – Application Breakdown Size & Forecasts, 2025–2035

6.5. Asia Pacific 1-Decene Market

6.5.1. China 1-Decene Market – Application Breakdown Size & Forecasts, 2025–2035

6.5.2. India 1-Decene Market – Application Breakdown Size & Forecasts, 2025–2035

6.5.3. Japan 1-Decene Market – Application Breakdown Size & Forecasts, 2025–2035

6.5.4. Australia 1-Decene Market – Application Breakdown Size & Forecasts, 2025–2035

6.5.5. South Korea 1-Decene Market – Application Breakdown Size & Forecasts, 2025–2035

6.5.6. Rest of Asia Pacific 1-Decene Market – Application Breakdown Size & Forecasts, 2025–2035

6.6. Latin America 1-Decene Market

6.6.1. Brazil 1-Decene Market – Application Breakdown Size & Forecasts, 2025–2035

6.6.2. Mexico 1-Decene Market – Application Breakdown Size & Forecasts, 2025–2035

6.7. Middle East & Africa 1-Decene Market

6.7.1. UAE 1-Decene Market – Application Breakdown Size & Forecasts, 2025–2035

6.7.2. Saudi Arabia 1-Decene Market – Application Breakdown Size & Forecasts, 2025–2035

6.7.3. South Africa 1-Decene Market – Application Breakdown Size & Forecasts, 2025–2035

CHAPTER 7. COMPETITIVE INTELLIGENCE

- 7.1. Top Market Strategies
- 7.2. Chevron Phillips Chemical Company
 - 7.2.1. Company Overview
 - 7.2.2. Key Executives
 - 7.2.3. Company Snapshot
 - 7.2.4. Financial Performance (Subject to Data Availability)
 - 7.2.5. Product/Services Portfolio
 - 7.2.6. Recent Developments
 - 7.2.7. Market Strategies
 - 7.2.8. SWOT Analysis
- 7.3. Sasol Limited
- 7.4. INEOS Group
- 7.5. Shell Chemicals
- 7.6. ExxonMobil Corporation
- 7.7. SABIC
- 7.8. Qatar Chemical Company Ltd.
- 7.9. Idemitsu Kosan Co., Ltd.
- 7.10. PJSC Nizhnekamskneftekhim
- 7.11. The Dow Chemical Company
- 7.12. Linde plc
- 7.13. TPC Group
- 7.14. Mitsubishi Chemical Corporation
- 7.15. Evonik Industries AG
- 7.16. LG Chem

List Of Tables

LIST OF TABLES

Table 1. Global 1-Decene Market, Report Scope
Table 2. Global 1-Decene Market Estimates & Forecasts By Region 2024–2035
Table 3. Global 1-Decene Market Estimates & Forecasts By Derivative 2024–2035
Table 4. Global 1-Decene Market Estimates & Forecasts By Segment 2024–2035
Table 5. Global 1-Decene Market Estimates & Forecasts By Segment 2024–2035
Table 6. Global 1-Decene Market Estimates & Forecasts By Segment 2024–2035
Table 7. Global 1-Decene Market Estimates & Forecasts By Segment 2024–2035
Table 8. U.S. 1-Decene Market Estimates & Forecasts, 2024–2035
Table 9. Canada 1-Decene Market Estimates & Forecasts, 2024–2035
Table 10. UK 1-Decene Market Estimates & Forecasts, 2024–2035
Table 11. Germany 1-Decene Market Estimates & Forecasts, 2024–2035
Table 12. France 1-Decene Market Estimates & Forecasts, 2024–2035
Table 13. Spain 1-Decene Market Estimates & Forecasts, 2024–2035
Table 14. Italy 1-Decene Market Estimates & Forecasts, 2024–2035
Table 15. Rest of Europe 1-Decene Market Estimates & Forecasts, 2024–2035
Table 16. China 1-Decene Market Estimates & Forecasts, 2024–2035
Table 17. India 1-Decene Market Estimates & Forecasts, 2024–2035
Table 18. Japan 1-Decene Market Estimates & Forecasts, 2024–2035
Table 19. Australia 1-Decene Market Estimates & Forecasts, 2024–2035
Table 20. South Korea 1-Decene Market Estimates & Forecasts, 2024–2035

List Of Figures

LIST OF FIGURES

- Fig 1. Global 1-Decene Market, Research Methodology
- Fig 2. Global 1-Decene Market, Market Estimation Techniques
- Fig 3. Global Market Size Estimates & Forecast Methods
- Fig 4. Global 1-Decene Market, Key Trends 2025
- Fig 5. Global 1-Decene Market, Growth Prospects 2024–2035
- Fig 6. Global 1-Decene Market, Porter's Five Forces Model
- Fig 7. Global 1-Decene Market, PESTEL Analysis
- Fig 8. Global 1-Decene Market, Value Chain Analysis
- Fig 9. 1-Decene Market By Derivative, 2025 & 2035
- Fig 10. 1-Decene Market By Segment, 2025 & 2035
- Fig 11. 1-Decene Market By Segment, 2025 & 2035
- Fig 12. 1-Decene Market By Segment, 2025 & 2035
- Fig 13. 1-Decene Market By Segment, 2025 & 2035
- Fig 14. North America 1-Decene Market, 2025 & 2035
- Fig 15. Europe 1-Decene Market, 2025 & 2035
- Fig 16. Asia Pacific 1-Decene Market, 2025 & 2035
- Fig 17. Latin America 1-Decene Market, 2025 & 2035
- Fig 18. Middle East & Africa 1-Decene Market, 2025 & 2035
- Fig 19. Global 1-Decene Market, Company Market Share Analysis (2025)

I would like to order

Product name: Global 1-Decene Market Size Study & Forecast, by Derivative (Polyalphaolefins and Oxo Alcohols) and Regional Forecasts 2025-2035

Product link: <https://marketpublishers.com/r/GD478FDB4EB3EN.html>

Price: US\$ 3,218.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GD478FDB4EB3EN.html>