

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 2025-2033

Market Report | 2025-04-01 | 139 pages | IMARC Group

AVAILABLE LICENSES:

- Electronic (PDF) Single User \$3999.00
- Five User Licence \$4999.00
- Enterprisewide License \$5999.00

Report description:

The global 1-decene market size reached USD 1.32 Billion in 2024. Looking forward, IMARC Group expects the market to reach USD 2.06 Billion by 2033, exhibiting a growth rate (CAGR) of 4.81% during 2025-2033.

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

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

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 2025-2033. 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

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

- 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 2024?
- 2.What is the expected growth rate of the global 1-decene market during 2025-2033?
- 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?

Table of Contents:

- 1 Preface
- 2 Scope and Methodology
 - 2.1 Objectives of the Study
 - 2.2 Stakeholders
 - 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
 - 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
 - 2.5 Forecasting Methodology
- 3 Executive Summary
- 4 Introduction
 - 4.1 Overview
 - 4.2 Key Industry Trends

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

- 5 Global 1-Decene Market
 - 5.1 Market Overview
 - 5.2 Market Performance
 - 5.3 Impact of COVID-19
 - 5.4 Market Forecast
- 6 Market Breakup by Derivative
 - 6.1 Polyalphaolefins
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
 - 6.2 Oxo Alcohols
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast
 - 6.3 Linear Alkyl Benzene
 - 6.3.1 Market Trends
 - 6.3.2 Market Forecast
 - 6.4 Linear Mercaptans
 - 6.4.1 Market Trends
 - 6.4.2 Market Forecast
 - 6.5 Chlorinated Alpha Olefins
 - 6.5.1 Market Trends
 - 6.5.2 Market Forecast
 - 6.6 Others
 - 6.6.1 Market Trends
 - 6.6.2 Market Forecast
- 7 Market Breakup by Grade
 - 7.1 Bio-Based
 - 7.1.1 Market Trends
 - 7.1.2 Market Forecast
 - 7.2 Synthetic
 - 7.2.1 Market Trends
 - 7.2.2 Market Forecast
- 8 Market Breakup by Application
 - 8.1 Surfactants
 - 8.1.1 Market Trends
 - 8.1.2 Market Forecast
 - 8.2 Plasticizers
 - 8.2.1 Market Trends
 - 8.2.2 Market Forecast
 - 8.3 Synthetic Lubricants
 - 8.3.1 Market Trends
 - 8.3.2 Market Forecast
 - 8.4 Polyethylene
 - 8.4.1 Market Trends
 - 8.4.2 Market Forecast
 - 8.5 Others
 - 8.5.1 Market Trends
 - 8.5.2 Market Forecast

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

9 Market Breakup by Region

9.1 North America

9.1.1 United States

9.1.1.1 Market Trends

9.1.1.2 Market Forecast

9.1.2 Canada

9.1.2.1 Market Trends

9.1.2.2 Market Forecast

9.2 Asia-Pacific

9.2.1 China

9.2.1.1 Market Trends

9.2.1.2 Market Forecast

9.2.2 Japan

9.2.2.1 Market Trends

9.2.2.2 Market Forecast

9.2.3 India

9.2.3.1 Market Trends

9.2.3.2 Market Forecast

9.2.4 South Korea

9.2.4.1 Market Trends

9.2.4.2 Market Forecast

9.2.5 Australia

9.2.5.1 Market Trends

9.2.5.2 Market Forecast

9.2.6 Indonesia

9.2.6.1 Market Trends

9.2.6.2 Market Forecast

9.2.7 Others

9.2.7.1 Market Trends

9.2.7.2 Market Forecast

9.3 Europe

9.3.1 Germany

9.3.1.1 Market Trends

9.3.1.2 Market Forecast

9.3.2 France

9.3.2.1 Market Trends

9.3.2.2 Market Forecast

9.3.3 United Kingdom

9.3.3.1 Market Trends

9.3.3.2 Market Forecast

9.3.4 Italy

9.3.4.1 Market Trends

9.3.4.2 Market Forecast

9.3.5 Spain

9.3.5.1 Market Trends

9.3.5.2 Market Forecast

9.3.6 Russia

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

- 9.3.6.1 Market Trends
- 9.3.6.2 Market Forecast
- 9.3.7 Others
 - 9.3.7.1 Market Trends
 - 9.3.7.2 Market Forecast
- 9.4 Latin America
 - 9.4.1 Brazil
 - 9.4.1.1 Market Trends
 - 9.4.1.2 Market Forecast
 - 9.4.2 Mexico
 - 9.4.2.1 Market Trends
 - 9.4.2.2 Market Forecast
 - 9.4.3 Others
 - 9.4.3.1 Market Trends
 - 9.4.3.2 Market Forecast
- 9.5 Middle East and Africa
 - 9.5.1 Market Trends
 - 9.5.2 Market Breakup by Country
 - 9.5.3 Market Forecast
- 10 SWOT Analysis
 - 10.1 Overview
 - 10.2 Strengths
 - 10.3 Weaknesses
 - 10.4 Opportunities
 - 10.5 Threats
- 11 Value Chain Analysis
- 12 Porters Five Forces Analysis
 - 12.1 Overview
 - 12.2 Bargaining Power of Buyers
 - 12.3 Bargaining Power of Suppliers
 - 12.4 Degree of Competition
 - 12.5 Threat of New Entrants
 - 12.6 Threat of Substitutes
- 13 Price Analysis
- 14 Competitive Landscape
 - 14.1 Market Structure
 - 14.2 Key Players
 - 14.3 Profiles of Key Players
 - 14.3.1 Alfa Aesar (Thermo Fisher Scientific)
 - 14.3.1.1 Company Overview
 - 14.3.1.2 Product Portfolio
 - 14.3.2 Angene Chemical Private Limited
 - 14.3.2.1 Company Overview
 - 14.3.2.2 Product Portfolio
 - 14.3.3 Chevron Phillips Chemical Company LLC
 - 14.3.3.1 Company Overview
 - 14.3.3.2 Product Portfolio

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

- 14.3.3.3 SWOT Analysis
- 14.3.4 Gelest Inc. (Mitsubishi Chemical Corporation)
 - 14.3.4.1 Company Overview
 - 14.3.4.2 Product Portfolio
- 14.3.5 Idemitsu Kosan Company Ltd.
 - 14.3.5.1 Company Overview
 - 14.3.5.2 Product Portfolio
 - 14.3.5.3 Financials
 - 14.3.5.4 SWOT Analysis
- 14.3.6 Ineos Group Ltd
 - 14.3.6.1 Company Overview
 - 14.3.6.2 Product Portfolio
- 14.3.7 Merck KGaA
 - 14.3.7.1 Company Overview
 - 14.3.7.2 Product Portfolio
- 14.3.8 PJSC Nizhnekamskneftekhim
 - 14.3.8.1 Company Overview
 - 14.3.8.2 Product Portfolio
 - 14.3.8.3 Financials
 - 14.3.8.4 SWOT Analysis
- 14.3.9 Saudi Basic Industries Corporation
 - 14.3.9.1 Company Overview
 - 14.3.9.2 Product Portfolio
 - 14.3.9.3 Financials
 - 14.3.9.4 SWOT Analysis
- 14.3.10 Spectrum Laboratory Products Inc.
 - 14.3.10.1 Company Overview
 - 14.3.10.2 Product Portfolio

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

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 2025-2033

Market Report | 2025-04-01 | 139 pages | IMARC Group

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
	Electronic (PDF) Single User	\$3999.00
	Five User Licence	\$4999.00
	Enterprisewide License	\$5999.00
		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"/>

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

Date

2026-03-05

Signature

A large, empty rectangular box intended for a signature.

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com