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Global Bio-based Lauryl Acrylate Market Growth 2026-2032

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Abstracts

The global Bio-based Lauryl Acrylate market size is predicted to grow from US$ million in 2025 to US$ million in 2032; it is expected to grow at a CAGR of %from 2026 to 2032.

In 2024, global Bio-based Lauryl Acrylate production reached approximately 216 tons, with an average global market price of around US$ 8,400 per ton. In 2024, the global 's total production capacity of Bio-based Lauryl Acrylate reached 270 tons.The industry average gross profit margin of this product reached 30%.

Bio-based lauryl acrylate is an acrylate monomer produced using renewable biomass resources (such as vegetable oils) as raw materials. As an environmentally friendly alternative to traditional petroleum-based products, it exhibits excellent flexibility and hydrophobicity, and can significantly improve the water resistance and tensile properties of materials in specific applications. The core of the upstream industrial chain is the acquisition and conversion of renewable biomass raw materials. There are two main routes: one starts with lauryl alcohol derived from plant oils such as palm oil and coconut oil; the other uses bio-based acrylic acid or bio-based acrolein produced through sugar fermentation as key precursors. This segment has high technological barriers, and participants are mainly large chemical or agricultural technology companies with biorefining technology (such as Arkema developing a bio-based acrylic acid route with partners). Their production capacity, raw material sustainability certification (such as ISCC PLUS), and cost control capabilities directly determine the raw material base and feasibility of the entire industrial chain. The midstream segment is the chemical synthesis and production of high-purity bio-based acrylic acid lauryl ester monomer. Producers (such as Kowa Chemicals, BASF) utilize bio-based lauryl alcohol and bio-based acrylic acid provided upstream, producing the product through a

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mature esterification process. The key technologies in this segment are efficient catalysis, high-purity separation and purification, and stable quality control to ensure that the product performance meets the requirements of downstream applications. Currently, most products on the market are "bio-based" lauryl acrylates (meaning some raw materials are bio-based). Achieving "fully bio-based" production and completing full carbon traceability from raw materials to finished products is the core of competitive advantage for leading companies in this segment. The downstream industry chain points to a wide range of end-application fields. Bio-based lauryl acrylates are mainly used as specialty monomers to modify or synthesize high-performance polymers. Their largest application markets are in environmentally friendly coatings (especially UV-curable coatings), adhesives, and inks, used to improve product flexibility, adhesion, and hydrophobicity. In addition, it is also expanding into emerging fields such as specialty textile finishing agents and film-forming agents for personal care products. The demands of downstream formulators and manufacturers (such as specific requirements for product sustainability, low-temperature resistance, or water resistance) continuously drive product iteration and customized development in the midstream, ultimately realizing the value from renewable raw materials to green consumer products.

The industry's most fundamental driving force stems from mandatory policies and regulations under global "dual carbon" goals. For example, the EU's carbon tariff (CBAM) and increasingly stringent plastic bans in various countries are forcing the chemical industry chain to find alternatives to petrochemical raw materials. Simultaneously, the green preferences of end-consumer markets are becoming increasingly pronounced. Brands (such as automotive, cosmetics, and packaging companies) are willing to pay a premium for certified (e.g., ISCC PLUS) bio-based materials to improve their ESG performance and meet consumer expectations for sustainable products, thus creating a clear paid market for downstream applications.

Market scaling opportunities depend on cost competitiveness, which is being improved through technological advancements. The maturity of upstream biorefining technologies (such as the efficient preparation of lauryl alcohol and acrylic acid from non-grain biomass and waste) is stabilizing raw material supply and reducing the cost of core intermediates. Meanwhile, leading midstream chemical companies (such as Arkema and BASF) are achieving economies of scale by building integrated bio-based acrylic acid and ester production lines, and leveraging existing mature esterification processes to rapidly convert bio-based raw materials into reliable products, accelerating market entry.

The development opportunities also lie in the continued expansion of high-value

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downstream applications. Beyond its role as a "green replacement" in traditional coatings and adhesives, it has established a performance advantage in niche markets thanks to its superior flexibility and hydrophobic properties. For example, it has opened up new avenues in high-end UV-curable coatings, electronic adhesives with extremely high water resistance requirements, and bio-based synthetic lubricants. These applications not only value its "bio-based" attributes but also rely on its unique chemical properties, thus creating differentiated markets that are difficult for traditional products to replace.

LP Information, Inc. (LPI) ' newest research report, the ?Bio-based Lauryl Acrylate Industry Forecast? looks at past sales and reviews total world Bio-based Lauryl Acrylate sales in 2025, providing a comprehensive analysis by region and market sector of projected Bio-based Lauryl Acrylate sales for 2026 through 2032. With Bio-based Lauryl Acrylate sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US$ millions of the world Bio-based Lauryl Acrylate industry.

This Insight Report provides a comprehensive analysis of the global Bio-based Lauryl Acrylate landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Bio-based Lauryl Acrylate portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms? unique position in an accelerating global Bio-based Lauryl Acrylate market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Bio-based Lauryl Acrylate and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Bio-based Lauryl Acrylate.

This report presents a comprehensive overview, market shares, and growth opportunities of Bio-based Lauryl Acrylate market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Purity: >99%

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Purity: >98%

Segmentation by Bio-based Content:

Partially Bio-based

Fully Bio-based

Segmentation by Raw Material Pathway:

Vegetable Oil Derivatives

Sugar Fermentation Derivatives

Segmentation by Chemical Structure:

Acrylates

Methacrylates

Segmentation by Application:

Coatings

Adhesives

Inks

Others

This report also splits the market by region:

Americas

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United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

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South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Kowa Chemicals

Traditem GmbH

BASF

Key Questions Addressed in this Report
What is the 10-year outlook for the global Bio-based Lauryl Acrylate market?
What factors are driving Bio-based Lauryl Acrylate market growth, globally and by region?
Which technologies are poised for the fastest growth by market and region?
How do Bio-based Lauryl Acrylate market opportunities vary by end market size?
How does Bio-based Lauryl Acrylate break out by Type, by Application?

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Figure 84. Global Bio-based Lauryl Acrylate Revenue Market Share Forecast by Application (2027-2032)

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