

# **Global Octadecanedioic Acid Market Size Study, By Application (Polyester Polyols, Cosmetics, Powder Coatings, Lubricating Oils), and Regional Forecasts 2022-2032**

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## **Abstracts**

The global octadecanedioic acid (ODDA) market was valued at USD 8.6 million in 2023 and is expected to grow at a CAGR of 4.4% over the forecast period 2024-2032. This growth is primarily driven by the increasing demand for biodegradable polymers, particularly in automotive, textiles, construction, and consumer goods industries. The rising focus on sustainable and eco-friendly materials, coupled with regulatory compliance pushing manufacturers toward environmentally safe chemicals, is significantly influencing market trends. Furthermore, advancements in polymer synthesis and expanding applications in coatings, lubricants, and cosmetics are contributing to market expansion.

The polyester polyols segment holds a dominant share in the market due to ODDA's ability to enhance chemical resistance, durability, and flexibility. Polyester polyols are widely used in automotive coatings, adhesives, and high-performance industrial materials. The cosmetics segment is projected to grow at the highest CAGR of 5.1%, owing to increasing consumer awareness regarding skincare and anti-aging formulations. ODDA is gaining prominence in moisturizers, lotions, and personal care products due to its hydration and skin elasticity-enhancing properties.

Regulatory policies supporting the use of bio-based and non-toxic materials have further accelerated ODDA adoption. Governments in North America and Europe are implementing strict environmental norms, prompting industries to shift toward biodegradable and renewable chemicals. Additionally, Asia-Pacific is expected to exhibit the highest growth due to rapid industrialization, infrastructure expansion, and growing

consumer preference for sustainable materials. Countries like China, India, and Japan are investing heavily in automobile, textile, and electronics industries, creating a strong demand for ODDA-based materials.

Geographically, North America led the market with a 30.9% share in 2023, owing to its well-established chemical manufacturing sector and rising R&D investments. The Asia-Pacific region is anticipated to witness the fastest growth, with a CAGR of 5.6%, driven by urbanization, increasing disposable incomes, and demand for advanced polymer applications. Germany remains the leading market in Europe, benefiting from strong chemical production capabilities and stringent regulatory frameworks encouraging eco-friendly alternatives.

#### Major Market Players Included in This Report:

Procter & Gamble

Larodan AB

Cathay Biotech Inc.

Tokyo Chemical Industry (India) Pvt. Ltd.

INDOFINE Chemical Company, Inc.

XIAMEN SINOPEG BIOTECH CO., LTD.

Hunan Huateng Pharmaceutical Co., Ltd.

BASF SE

Arkema Group

Evonik Industries AG

Solvay S.A.

Clariant AG

Eastman Chemical Company

Merck KGaA

Croda International Plc

The Detailed Segments and Sub-Segment of the Market Are Explained Below:

By Application:

Polyester Polyols

Cosmetics

Powder Coatings

Lubricating Oils

Others

By Region:

North America

U.S.

Canada

Europe

Germany

U.K.

France

Spain

Italy

Rest of Europe

Asia Pacific

China

India

Japan

Australia

South Korea

Rest of Asia Pacific

Latin America

Brazil

Mexico

Rest of Latin America

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

Years Considered for the Study Are as Follows:

Historical Year – 2022

Base Year – 2023

Forecast Period – 2024 to 2032

**Key Takeaways:**

Market Estimates & Forecast for 10 years (2022-2032).

Annualized revenues and regional-level analysis for each market segment.

Competitive landscape with detailed profiles of key market players.

In-depth examination of supply-demand dynamics and value chain analysis.

Analysis of regulatory frameworks and their impact on market expansion.

Emerging trends in material science and biodegradable chemical applications.

Strategic recommendations for industry stakeholders to capitalize on market opportunities.

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