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Global Cyclohexanol Market Size Study, by Product, by Application, and Regional Forecasts 2022-2032

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Abstracts

The Global Cyclohexanol Market is valued at approximately USD 1,514.2 million in 2023 and is expected to grow at a steady compound annual growth rate of 5.0% during the forecast period from 2024 to 2032. Cyclohexanol, a versatile saturated cyclic alcohol, plays a pivotal role as an intermediate in the production of caprolactam and adipic acid—two essential precursors in the manufacture of nylon-6 and nylon-66 polymers. These end products are deeply entrenched in diverse industries, ranging from automotive and textiles to construction and consumer goods. The market is thriving as global demand for high-performance engineered plastics and fibers continues to accelerate, driven by the growing need for lightweight, durable, and cost-effective materials. As sustainability pressures mount, players in the cyclohexanol market are also exploring bio-based feedstocks and energy-efficient production technologies, further shaping the competitive landscape.

The steady expansion of downstream industries like automotive and packaging, particularly in emerging markets, is significantly bolstering the cyclohexanol market trajectory. In the automotive sector, nylon-based components are increasingly being adopted to replace metal parts in engines, under-the-hood applications, and interiors due to their excellent strength-to-weight ratio and heat resistance. Cyclohexanol, by virtue of being a key precursor in this chain, has thus seen rising demand. Simultaneously, the packaging industry’s preference for tough, transparent materials, along with a surge in e-commerce-driven logistics, has augmented the requirement for nylon resins. Additionally, the growing use of cyclohexanol in the fragrance and personal care industries—as a fragrance fixative and intermediate for various aroma compounds—further reinforces its multidimensional market relevance.

Despite robust market dynamics, certain challenges continue to dampen the growth

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potential of the global cyclohexanol market. Fluctuating prices of crude oil, which directly influence the cost of cyclohexane—the primary raw material—pose a significant risk to profit margins. Moreover, stringent environmental and regulatory constraints surrounding petrochemical processes and by-product management have pushed manufacturers to rethink their operational strategies. This shift is catalyzing a gradual transition toward green chemistry, wherein firms are investing in process optimization, carbon footprint reduction, and alternative feedstocks. Regulatory compliance and sustainability, therefore, are no longer optional but have become a business imperative, defining the pace and direction of innovation in the industry.

In parallel, technological advancements in process engineering and catalytic efficiency are paving the way for cleaner and more cost-effective cyclohexanol production. Advanced hydrogenation techniques, novel catalyst formulations, and integrated manufacturing units are allowing producers to increase yield and reduce waste. Moreover, increasing R&D investment aimed at expanding the application scope of cyclohexanol derivatives—such as solvents, plasticizers, and pharmaceutical intermediates—is anticipated to unlock new market opportunities over the coming years. As end-use industries become more diversified, the ability of cyclohexanol to integrate into both traditional and specialty chemical workflows reinforces its long-term growth prospects.

Regionally, the Asia Pacific market dominates and is projected to witness the fastest growth over the forecast period, owing to the presence of large-scale chemical production hubs, rapid industrialization, and robust demand from automotive and textile industries in China, India, and Southeast Asia. Europe holds a mature yet significant share, supported by well-established nylon manufacturing ecosystems and strong regulatory frameworks favoring sustainable chemical production. North America, backed by advancements in process technologies and a surge in demand for high-grade performance materials, continues to play a critical role in market development. Meanwhile, Latin America and the Middle East & Africa are gradually emerging as growth frontiers, underpinned by improving industrial infrastructure and increasing foreign investments.

Major market player included in this report are:

BASF SE

Solvay SA

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Honeywell International Inc.

Fibrant

Asahi Kasei Corporation

Gujarat State Fertilizers & Chemicals Ltd.

Shandong Haili Chemical Industry Co., Ltd.

Lanxess AG

UBE Industries Ltd.

Shree Hari Chemicals Export Ltd.

Mitsubishi Chemical Corporation

INEOS Group

Luxi Chemical Group Co., Ltd.

Tokyo Chemical Industry Co., Ltd.

Eastman Chemical Company

The detailed segments and sub-segment of the market are explained below:

By Product:

Industrial Grade

Reagent Grade

By Application:

Nylon Production (Caprolactam, Adipic Acid)

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- Solvents
- Plasticizers
- Personal Care & Fragrances
- Pharmaceuticals
- Others

By Region:

North America

- U.S.
- Canada

Europe

- UK
- Germany
- France
- Spain
- Italy
- Rest of Europe

Asia Pacific

- China

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- India
- Japan
- Australia
- South Korea
- Rest of Asia Pacific

Latin America

- Brazil
- Mexico

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:

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Market Estimates & Forecast for 10 years from 2022 to 2032.

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.

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