

Cyclohexene Global Market Insights 2025, Analysis and Forecast to 2030, by Manufacturers, Regions, Technology, Application

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Abstracts

Cyclohexene Market Overview

The global cyclohexene market is projected to witness significant growth from 2025 to 2030, driven by increasing demand across various industries such as coatings, LED encapsulation systems, crack-resistant films, elastomers, adhesives, and others.

Cyclohexene, a key intermediate in the production of adipic acid and caprolactam, is widely used in the manufacturing of nylon and other polymers. The market is expected to grow at a compound annual growth rate (CAGR) of 4.5%-5.5% during the forecast period.

Market Size and Share Analysis

In 2025, the global cyclohexene market is estimated to be valued at approximately \$1.2 billion, with a projected increase to \$1.5 billion by 2030. The market is segmented by product type, process, application, end-use, and region. The Asia-Pacific region is expected to dominate the market, accounting for 45%-50% of the global share, followed by North America and Europe.

By Product Type

The market is segmented into high-purity cyclohexene and industrial-grade cyclohexene. High-purity cyclohexene is anticipated to hold a larger market share of 60%-65% due to its extensive use in the production of high-performance polymers and specialty chemicals.

By Key Players

Major players in the cyclohexene market include Toray Industries, Asahi Kasei, Chemoxy International Ltd, and Seqens. These companies are focusing on strategic

partnerships, mergers, and acquisitions to strengthen their market position. Toray Industries and Asahi Kasei collectively hold a market share of 30%-35%.

By Process

The market is divided into catalytic hydrogenation, partial oxidation, and others. Catalytic hydrogenation is the most widely used process, accounting for 70%-75% of the market share, owing to its efficiency and cost-effectiveness.

By Application

Cyclohexene is extensively used in coatings, LED encapsulation systems, crack-resistant films, elastomers, adhesives, and others. The coatings segment is expected to dominate the market with a share of 40%-45%, driven by the growing construction and automotive industries.

By End-Use

The end-use industries include automotive, construction, electronics, and others. The automotive sector is projected to account for 35%-40% of the market share, fueled by the increasing demand for lightweight and durable materials.

By Region

The Asia-Pacific region is expected to lead the market, followed by North America and Europe. The Asia-Pacific market is projected to grow at a CAGR of 5.0%-6.0%, driven by rapid industrialization and urbanization in countries like China and India.

Market Trends

The cyclohexene market is witnessing several trends, including the increasing adoption of bio-based cyclohexene, advancements in production technologies, and the growing demand for sustainable and eco-friendly products. The shift towards green chemistry is expected to create new opportunities for market players.

Market News on Policy and Companies

Recent developments in the cyclohexene market include the implementation of stringent environmental regulations promoting the use of bio-based chemicals. Companies like Toray Industries and Asahi Kasei are investing in research and development to produce sustainable cyclohexene. Additionally, Chemoxy International Ltd has announced the expansion of its production capacity to meet the growing demand.

Segment Forecasts (2025-2030)

The cyclohexene market is expected to grow steadily, with the coatings segment

maintaining its dominance. The LED encapsulation systems segment is projected to witness the highest growth rate of 6.0%-7.0%, driven by the increasing adoption of LED lighting solutions. The Asia-Pacific region is anticipated to remain the largest market, with North America and Europe following closely.

Conclusion

The global cyclohexene market is poised for significant growth from 2025 to 2030, driven by increasing demand across various industries and regions. Key players are focusing on innovation and sustainability to capitalize on emerging opportunities. With a projected CAGR of 4.5%-5.5%, the market is expected to reach \$1.5 billion by 2030, offering lucrative prospects for stakeholders.

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