

Acetone Cyanohydrin Market Size and Share Outlook - Forecast Trends and Growth Analysis Report (2025-2034)

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Report description:

The global acetone cyanohydrin market was valued at USD 1.26 Billion in 2024. The industry is expected to grow at a CAGR of 6.20% during the forecast period of 2025-2034 to attain a valuation of USD 2.30 Billion by 2034.

Acetone Cyanohydrin Market Trends

Rising Demand for Plastics to Aid the Growth of the Acetone Cyanohydrin Industry

The growth of the acetone cyanohydrin market is being driven by the growing demand for plastics. The product is majorly used as an intermediate in the preparation of methyl methacrylate (MMA), which is further converted to the thermoplastic, polymethyl methacrylate (PMMA). With the growing affordability of plastic products, PMMA is witnessing an increased demand from various end-user industries such as electronics and electrical, healthcare, automotive, and construction, among others.

Acetone Cyanohydrin Market Growth

Rising Demand from Developing Regions to Propel the Market Forward

The growing consumption of plastics in various end-use industries due to its cost-effective and versatile nature is driving the acetone cyanohydrin demand. The growth is expected to be higher in the developing regions owing to the growing urbanisation and rapid industrialisation. With the growing construction activities and an increase in sales of consumer electronics, there has been an increased demand for acetone cyanohydrin in developing nations like India and China.

Owing to technological advancements, the end-use industries, including automotive and healthcare, are anticipated to further grow in the future. This is expected to have a positive effect on the acetone cyanohydrin market revenue.

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Industry Outlook

As per the acetone cyanohydrin industry analysis, the growth of the medical sector across the globe is contributing to an increased demand for acetone cyanohydrin. In the past few years, the biopharmaceutical research and development spending has shown a general upward trend despite some fluctuations. In 2012, the R&D expenditure began at USD 129 billion and experienced moderate growth until 2018 where it reached USD 160 billion. From there, a significant jump occurred in 2019 to USD 168 billion, continuing to USD 179 billion in 2020. In 2021, the expenditure reached to USD 182 billion, projections show a steady increase to USD 213 billion by 2026.

The expansion of the automotive sector is supporting the growth of the acetone cyanohydrin industry. As per the European Automobile Manufacturers' Association (ACEA), In Greater China, vehicle production saw a positive trend from 2021 to 2022. The production numbers increased from 26,411 thousand units in 2021 to 27,222 thousand units in 2022. This growth of 811 thousand units suggests a robust recovery and expansion in the Chinese automotive sector, reflecting strong domestic demand and possibly increased export activities. Europe experienced a slight decline in vehicle production over the same period. In 2021, the region produced 16,480 thousand units, which slightly decreased to 16,391 thousand units in 2022. This reduction of 89 thousand units indicates a marginal contraction in the European automotive market, which could be attributed to supply chain disruptions, economic uncertainties, or shifts in consumer preferences towards other mobility solutions.

In North America, the vehicle production trend was notably positive, which can boost the acetone cyanohydrin industry revenue. The production increased from 13,596 thousand units in 2021 to 14,901 thousand units in 2022, marking a significant rise of 1,305 thousand units. This increase points to a strong recovery post-pandemic, bolstered by renewed consumer confidence, government incentives, and an uptick in both domestic sales and exports. Japan/Korea also showed a modest increase in vehicle production. The region's production numbers rose from 11,065 thousand units in 2021 to 11,334 thousand units in 2022, an increase of 269 thousand units.

South Asia emerged as a significant growth area, with vehicle production jumping from 8,356 thousand units in 2021 to 10,230 thousand units in 2022, which can offer lucrative acetone cyanohydrin market opportunities. This increase of 1,874 thousand units underscores the region's rapid industrialisation, growing middle-class population, and increasing vehicle ownership rates, making it a key player in the global automotive landscape.

South America displayed a positive trend with production rising from 2,796 thousand units in 2021 to 3,025 thousand units in 2022. Additionally, the Middle East/Africa saw an increase in vehicle production from 2,103 thousand units in 2021 to 2,294 thousand units in 2022, an addition of 191 thousand units, which can boost the demand of acetone cyanohydrin market. This growth indicates a steady demand in the region, supported by economic development, urbanisation, and rising income levels.

Acetone Cyanohydrin Industry Segmentations

Acetone cyanohydrin (ACH), an organic compound, is a colourless liquid with the chemical formula C_4H_7NO . It can be produced by the reaction of sodium cyanide with acetone, which is further acidified to form acetone cyanohydrin. Its primary role is as an intermediate in the production of methyl methacrylate. The methyl methacrylate produced is further polymerised to obtain the transparent plastic polymethyl methacrylate (PMMA). PMMA is a popular thermoplastic material, which is used as an alternative to glass in car windows, cellphone screens, aquariums, and others, owing to its resistance to UV rays and its light-transmitting ability.

On the basis of application, the acetone cyanohydrin industry is divided into:

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- Insecticide
- Complexing Agent
- Pharmaceutical Intermediates
- Plastics
- Others

Based on end use, the industry can be segmented into:

- Electronics and Electrical
- Medical and Healthcare
- Automotive
- Building and Construction
- Water Treatment
- Others

The regional markets for the product include:

- North America
- Europe
- Asia Pacific
- Latin America
- Middle East and Africa

Competitive Landscape

The report gives a detailed analysis of the following key players in the global acetone cyanohydrin market, covering their competitive landscape, capacity, and latest developments like mergers, acquisitions, and investments, expansions of capacity, and plant turnarounds:

- Tokyo Chemical Industry Co., Ltd.
- Otto Chemie Pvt Ltd
- INEOS Group
- Others

The comprehensive EMR report provides an in-depth assessment of the market based on the Porter's five forces model along with giving a SWOT analysis.

Acetone Cyanohydrin Market Regional Analysis

The Asia Pacific to Provide Lucrative Growth Opportunities for the Acetone Cyanohydrin Industry

The Asia Pacific is one of the leading consumers of acetone cyanohydrin, accounting for a significant share in the industry. Within the Asia Pacific, China is the major demand-driving region owing to the product's increased demand from the methyl methacrylate (MMA) industry. As per the acetone cyanohydrin market dynamics and trends, the growing production of PMMA is the primary factor for the growth of the MMA industry. The other significant markets for the product are Europe and North America. However, environmental and health regulations associated with the product may hamper the industry growth in such regions.

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Acetone Cyanohydrin Market Report Snapshots

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