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Allyl Chloride Market Forecasts to 2032 – Global Analysis By Grade (Industrial Grade, Reagent Grade and High Purity Grade), Production Process (Chlorination of Propylene, Reaction of Allyl Alcohol with Phosphorus Trichloride and Other Production Processes), Application, End User and By Geography

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Abstracts

According to Stratistics MRC, the Global Allyl Chloride Market is accounted for $0.98 million in 2025 and is expected to reach $1.53 million by 2032 growing at a CAGR of 6.6% during the forecast period. Allyl chloride is an organic compound used as a key intermediate in chemical synthesis, particularly in the production of resins, pharmaceuticals, and pesticides. It is a colorless liquid with a pungent odor and is highly reactive due to the presence of a double bond. Derived from chlorine and propylene, allyl chloride serves as a precursor for various industrial applications. Its volatility and potential health hazards require careful handling, making proper storage and controlled usage essential in manufacturing processes.

According to the World Paint and Coatings Industry Association, the global sales volume of paints and coatings reached USD 179.9 billion in 2022, with an annual growth rate of 3.1%, demonstrating the robust demand for allyl compounds in coating applications.

Market Dynamics:

Driver:

High demand for glycerol epichlorohydrin route

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Allyl chloride is a crucial precursor in the production of epichlorohydrin, widely used in resins, adhesives, and specialty chemicals. The shift toward glycerol-based production enhances sustainability, reducing dependency on petrochemical-derived feedstocks. Additionally, expanding applications in pharmaceutical and polymer manufacturing are reinforcing the demand for allyl chloride, supporting innovation in process optimization and resource-efficient production methods.

Restraint:

Environmental concerns regarding propene-based production

The use of propene as a feedstock generates emissions and byproducts that require stringent regulatory controls, impacting operational feasibility. Additionally, compliance with environmental standards necessitates investment in emission reduction technologies, increasing overall manufacturing costs. Industries are exploring alternative production pathways, including bio-based approaches, to address sustainability concerns while maintaining efficiency.

Opportunity:

Development of greener production technologies for propene-based route

Innovations in catalyst design and reaction optimization are enhancing process efficiency while minimizing environmental impact. Additionally, advancements in carbon capture and utilization methods are contributing to cleaner production cycles, reducing industrial emissions. Research in sustainable chemical engineering is fostering the adoption of low-energy processes, improving cost-effectiveness without compromising performance growth in evolving regulatory landscapes.

Threat:

Public perception and concerns about chlorinated chemicals

Perceptions about toxicity and environmental impact influence market acceptance. Regulatory bodies are imposing stricter guidelines on chlorinated compounds, requiring industries to implement safer handling and disposal practices. Additionally, the rise of non-chlorinated alternatives in specialty chemical applications may shift demand away from traditional formulations.

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Covid-19 Impact:

The pandemic effected supply chains and industrial operations temporarily affecting allyl chloride production and distribution. Fluctuations in demand from end-use industries, including coatings, pharmaceuticals and resins, influenced market stability. However, post-pandemic recovery efforts have revived investment in chemical manufacturing, reinforcing supply chain resilience and innovation.

The industrial grade segment is expected to be the largest during the forecast period

The industrial grade segment is expected to account for the largest market share during the forecast period due to its extensive use in large-scale manufacturing. Industrial-grade allyl chloride serves as a vital raw material in polymer, pharmaceutical, and agrochemical production. Additionally, its role in resin formulation and specialty chemical synthesis enhances its relevance across multiple industrial sectors. Advancements in purity optimization and process standardization are further strengthening its market dominance.

The flame retardants segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the flame retardants segment is predicted to witness the highest growth rate driven by increasing demand for fire-resistant materials in construction, automotive, and electronics industries. Allyl chloride plays a key role in the formulation of flame-retardant additives, improving material durability and safety. Additionally, stricter fire safety regulations are driving investment in advanced retardant compounds, reinforcing market expansion.

Region with largest share:

During the forecast period, the North America region is expected to hold the largest market share boosted by strong chemical manufacturing infrastructure and regulatory compliance initiatives. The presence of major industry players and ongoing research into cleaner production technologies is reinforcing regional market leadership. Additionally, steady demand from resin and pharmaceutical applications is ensuring sustained growth.

Region with highest CAGR:

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Over the forecast period, the Asia Pacific region is anticipated to exhibit the highest CAGR attributed to the expanding industrial operations and technological advancements in chemical synthesis. Rapid urbanization and increasing investment in specialty chemicals are contributing to market expansion. Additionally, the region's growing focus on sustainable production practices is fostering innovation in eco-friendly processing technologies.

Key players in the market

Some of the key players in Allyl Chloride Market include Zeochem AG, Solvay, Befar Group Co. Ltd., Gelest Inc., INEOS, Dow Chemical Company, BASF SE, Arkema S.A., W. R. Grace & Co., Mitsubishi Chemical Corporation, Olin Corporation, Sorbead India, Clariant AG, ResinTech Inc., Lenntech B.V., Cabot Corporation and Hengye Inc.

Key Developments:

In May 2025, Gelest Inc. opened a new 50,000 ft? production facility focused on developing precursor chemicals for EUV lithography, supporting next-generation semiconductor technologies.

In May 2025, INEOS Launched the first European-built offshore CO? carrier in collaboration with Royal Wagenborg, advancing carbon capture and storage capabilities.

In April 2025, Solvay partnered with Cavalinho to reduce transportation carbon footprint in Brazil, aiming to enhance sustainability in logistics operations.

Grades Covered:

- Industrial Grade
- Reagent Grade
- High Purity Grade

Production Processes Covered:

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Chlorination of Propylene

Reaction of Allyl Alcohol with Phosphorus Trichloride

Other Production Processes

Applications Covered:

Epichlorohydrin Production

Water Treatment Chemicals

Allyl Alcohol Production

Pesticides & Herbicides

Pharmaceutical Intermediates

Flame Retardants

Polymeric Materials & Resins

Dyes & Pigments

Other Applications

End Users Covered:

Agrochemicals

Textile Industry

Paints & Coatings

Adhesives & Sealants

Other End Users

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Regions Covered:

- North America
  - US
  - Canada
  - Mexico
- Europe
  - Germany
  - UK
  - Italy
  - France
  - Spain
  - Rest of Europe
- Asia Pacific
  - Japan
  - China
  - India
  - Australia
  - New Zealand
  - South Korea

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- Rest of Asia Pacific
- South America
  - Argentina
  - Brazil
  - Chile
  - Rest of South America
- Middle East & Africa
  - Saudi Arabia
  - UAE
  - Qatar
  - South Africa
  - Rest of Middle East & Africa

What our report offers:
- Market share assessments for the regional and country-level segments
- Strategic recommendations for the new entrants
- Covers Market data for the years 2024, 2025, 2026, 2028, and 2032
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)
- Strategic recommendations in key business segments based on the market estimations
- Competitive landscaping mapping the key common trends
- Company profiling with detailed strategies, financials, and recent developments
- Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

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All the customers of this report will be entitled to receive one of the following free customization options:

- Company Profiling
  - Comprehensive profiling of additional market players (up to 3)
  - SWOT Analysis of key players (up to 3)
- Regional Segmentation
  - Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)
- Competitive Benchmarking
  - Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

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($MN)
Table 25 Global Allyl Chloride Market Outlook, By Other End Users (2024-2032) ($MN)

Note: Tables for North America, Europe, APAC, South America, and Middle East & Africa Regions are also represented in the same manner as above.

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