



Supply Chain Management

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Trends in Chemical Logistics

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Global Chemical Logistics

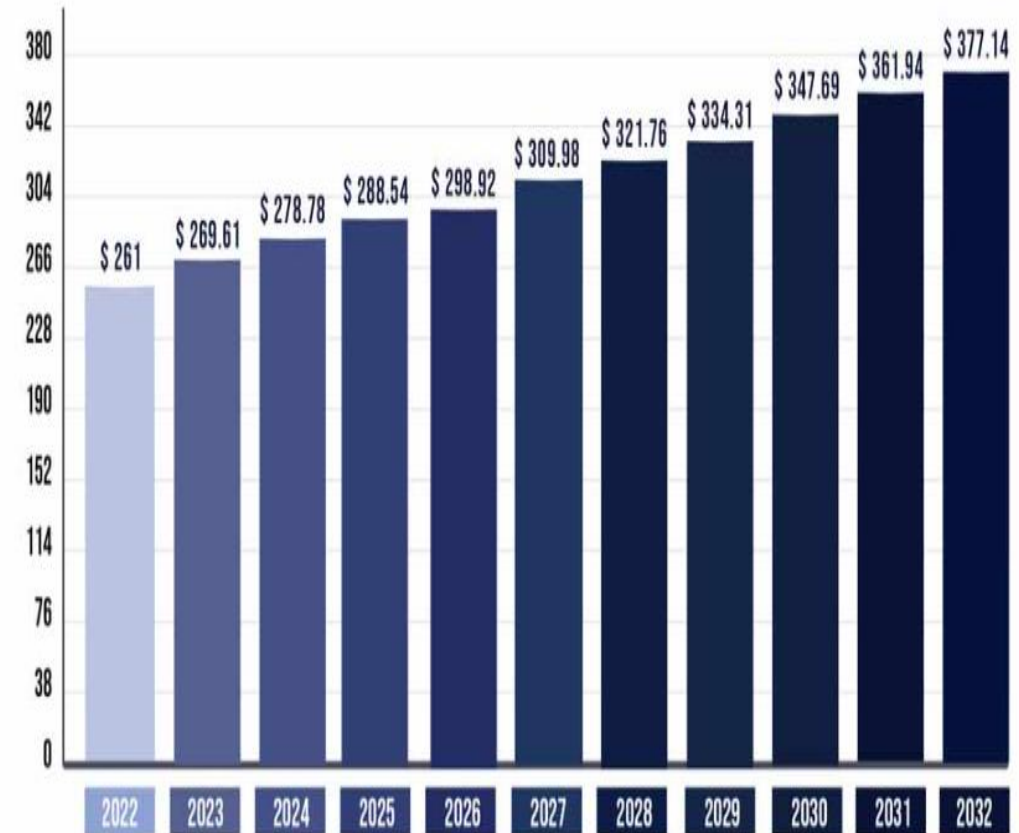
- The global chemical logistics market size was valued at **USD 270 billion in 2023**
- The expansion of the chemical logistics market is driven by factors such as the increased need for chemical logistics due to elevated chemical production and safety issues regarding the transport, storage, and distribution of hazardous chemicals
- Chemical logistics is the transfer of chemicals along the supply chain with the assistance of transportation, warehousing, and other services offered by chemical logistics firms





Chemical Logistics Market Trend 2022-2032

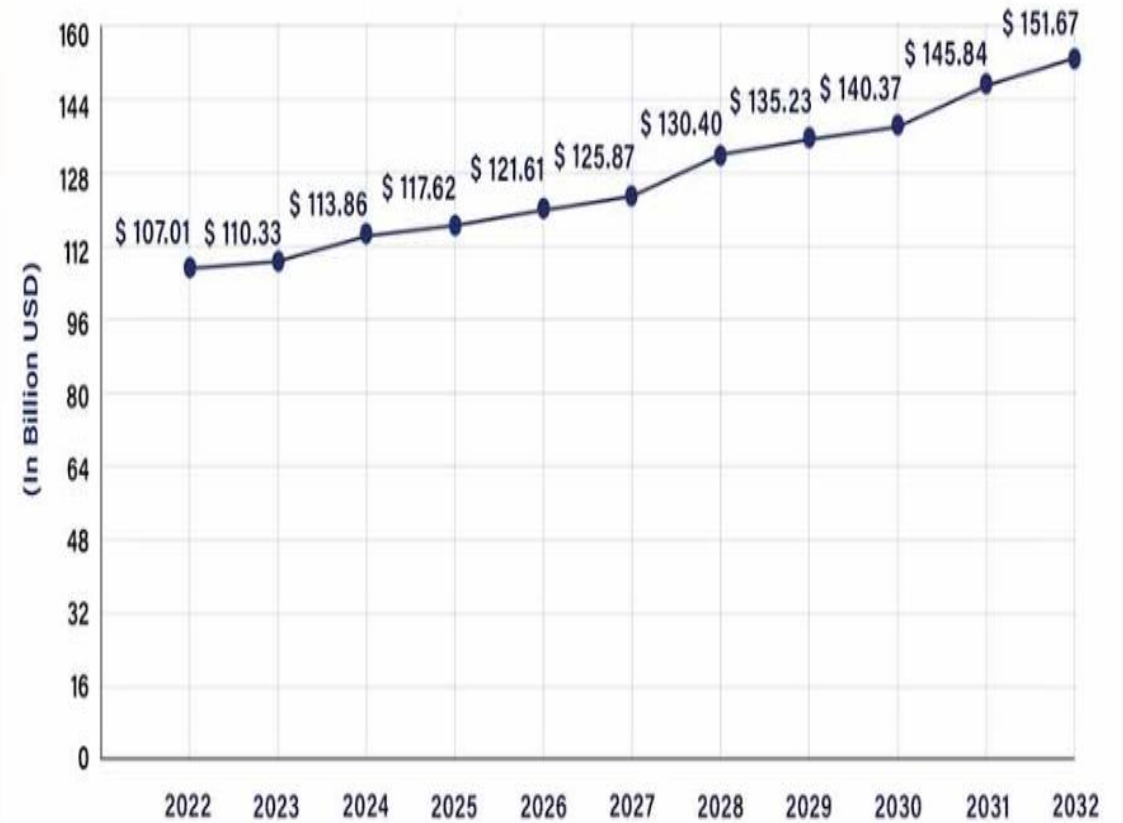
- The roadways section is expanding at a CAGR of 2.9% from 2024 to 2032.
- The transportation & distribution segment is growing at a CAGR of 2.8% over the forecast period.
- The chemical industry segment will reach a CAGR of 2.8% from 2024 to 2032.
- The Asia Pacific region will reach a CAGR of 3.5% from 2024 to 2032.
- Europe region is expected to grow at a CAGR of 4.8%.





ASIA PACIFIC CHEMICAL LOGISTICS MARKET 2022-2032

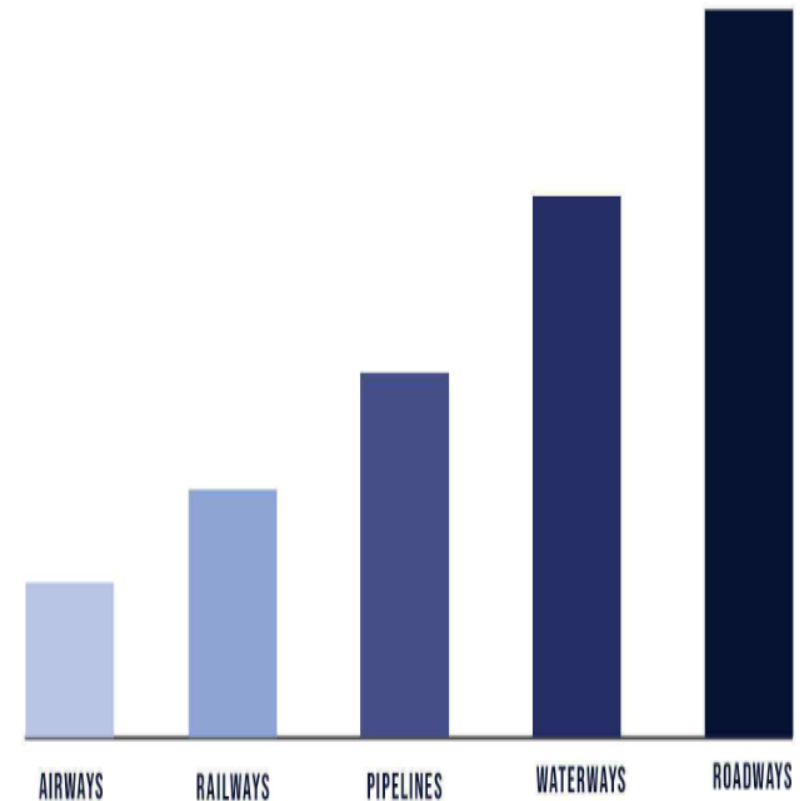
- Asia Pacific is expected to dominate the chemical logistics market in terms of highest market share in the world.
- The presence of developing economies such as India and China in this region is the major factor that is driving the market growth.
- In the recent years there has been a significant rise in demand for the production of various chemicals.





CHEMICAL MARKET SHARE BY MODE OF TRANSPORT

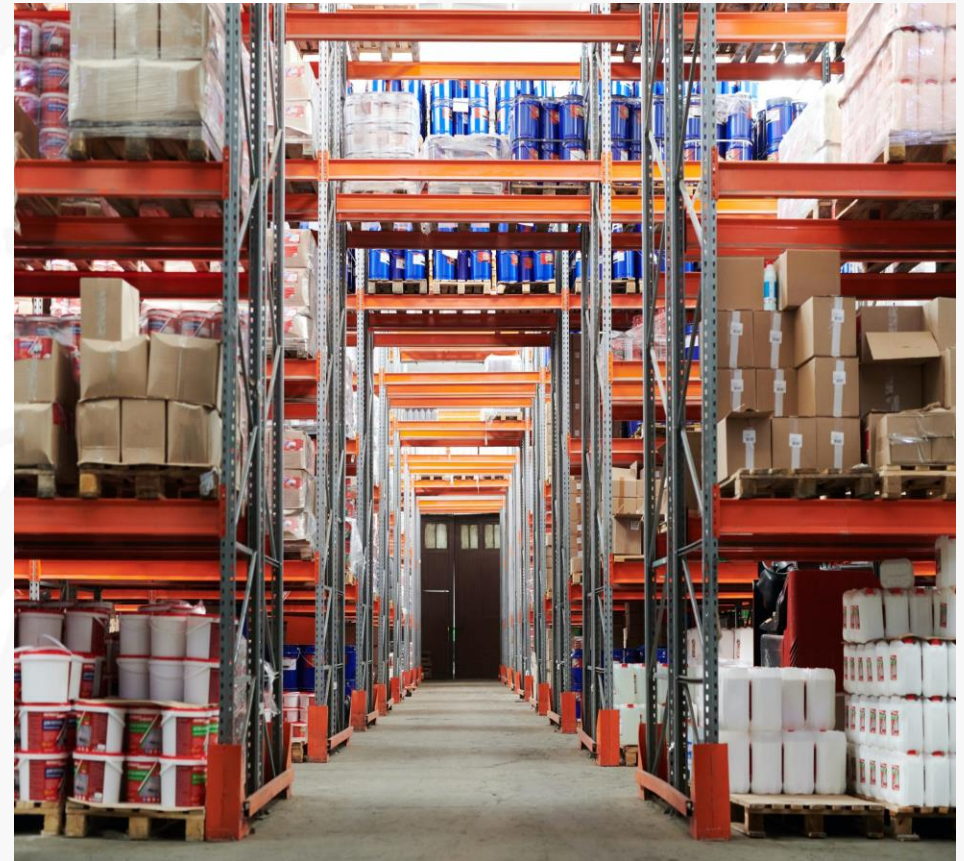
- Based on the mode of transportation, the chemical logistics Market is divided into roadways, railways, airways, waterways and pipelines.
- The sea and road transport witness the largest market share and is expected to grow significantly during the forecast period.





Top Trends in the Chemical Warehousing and Storage Market

- Stringent Regulatory Compliance and Safety Measures
- Advanced Automation and Robotics
- Digitalization and Warehouse Management Systems (WMS)
- Focus on Sustainable Practices
- Specialized Storage for Hazardous Materials
- Globalization and Expansion of Storage Networks
- Collaboration and 3PL Partnerships





Global Chemical Logistics Market Drivers

- **Global Chemical Industry Growth**
- **Enhanced International Trade**
- **Tight Regulations and Compliance**
- **Technological Advancements**
- **Environmental Concerns**
- **Demand for Specialized Services**
- **Trends in Direct-to-Consumer Sales and E-Commerce**
- **Infrastructure Development**





Interconnected World

- **Ours is an interdependent world**, connected by global flows of goods, services, capital, people, data, and ideas
- The world remains deeply interconnected, and flows have proved remarkably resilient during the most recent turbulence. Furthermore, no region is self-sufficient
- The challenge therefore is to harness the benefits of interconnection while managing the risks and downsides of dependency—particularly where products are concentrated in their places of origin.



Interconnected World

- Indeed, demand for goods hit all-time highs as consumers shifted spending toward goods and away from services during lockdowns and social distancing
- In 2022, trade in goods is projected to continue to grow faster than GDP despite new disruptions.
- Asia–Pacific, including China, is the leading global manufacturing exporter overall and the largest supplier of electronics, but it imports more than 25 percent of its energy resource needs as well as critical intermediate goods



SIX TRENDS SHAPING THE CHEMICAL INDUSTRY

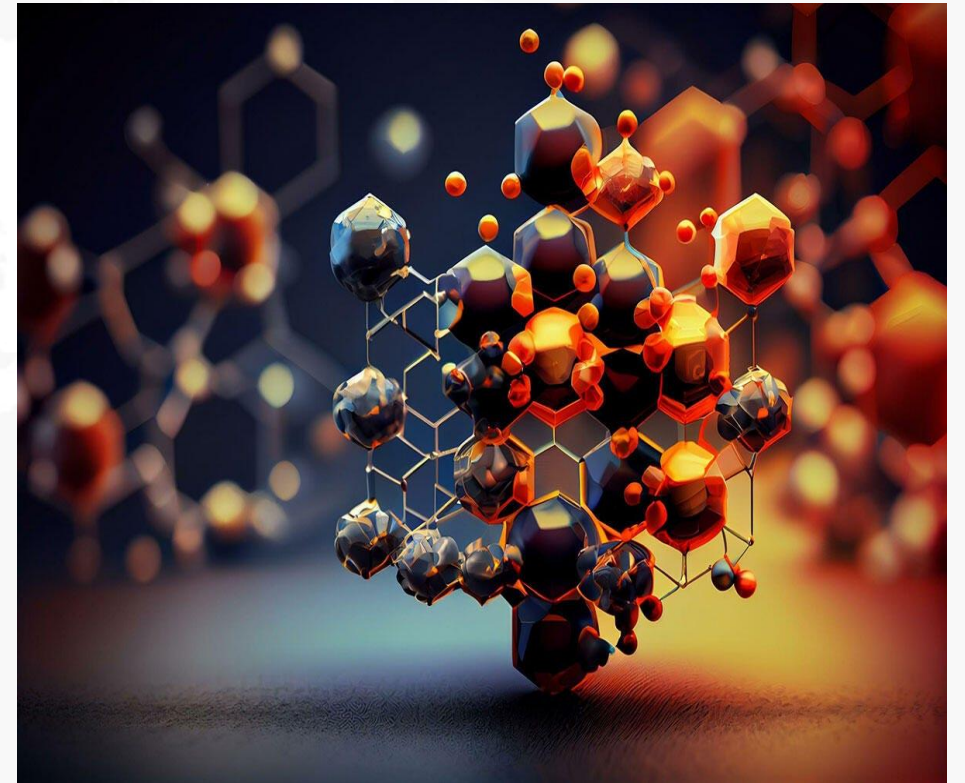
- Delayed growth
- Larger focus on efficiency
- Larger focus on efficiency
- Stronger commitment to sustainability
- Chemistry as a service
- Optionality creation





Trends Affecting Chemical Industry

- Artificial intelligence
- Data analytics
- Specialty chemicals
- Sustainability
- Renewable and bio-based chemicals
- Safety and reducing risk
- Resilient supply chains





Other trends in the chemical logistics industry include

- Stringent regulatory compliance and safety standards
- Globalization and increased trade of chemicals
- Increasing demand for specialty chemicals
- Warehousing holds the largest share in the industry
- Asia Pacific leads the market
- Chemical bulk transportation companies that are able to operate more effectively and efficiently
- 57% of chemical distribution occurs by road freight, 36-37% via railroads, 6 to 7% via sea water, and less than 1% via air



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Thank You

