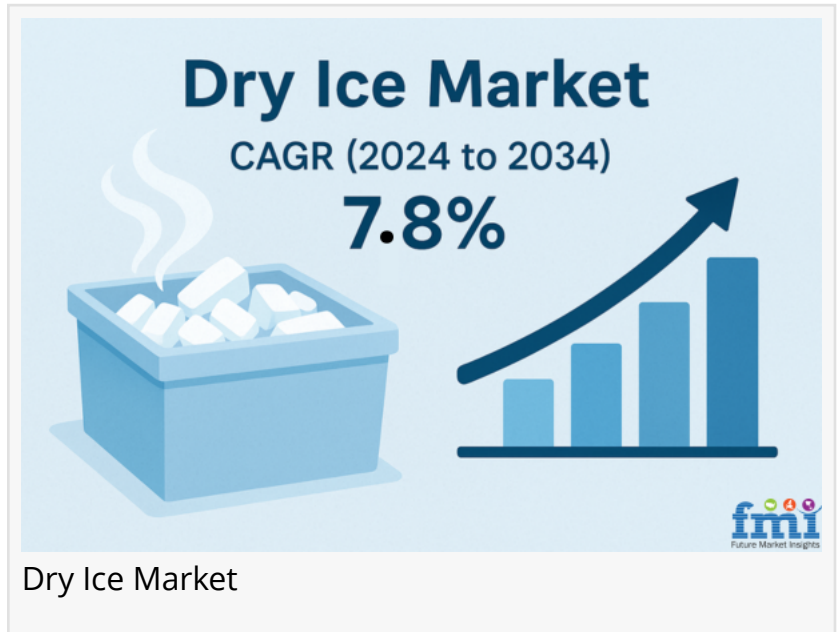


Dry Ice Market to Reach USD 4.46 Billion by 2034 with 7.8% CAGR Driven by Demand in Food, Pharma & Industrial Sectors

The UK's expanding cold chain logistics drives dry ice market growth, with a forecasted CAGR of 3.36%, boosting demand for efficient cooling solutions.

NEWARK, DE, UNITED STATES, May 21, 2025 /EINPresswire.com/ -- The [dry ice market](#) is projected to grow at an impressive CAGR of 7.8% through 2034, driven by increasing demand for dry ice pellets, blocks, and other forms. This robust growth is expected to expand the market size to USD 4.46 billion by the end of the forecast period, fueled by its wide-ranging applications across industries such as food preservation, pharmaceuticals, and industrial cleaning.



Dry ice, the solid form of carbon dioxide (CO₂), has emerged as a crucial material with unique cooling properties, making it indispensable in sectors ranging from food preservation to healthcare and manufacturing.

“

The dry ice market is set for strong growth, driven by rising demand in food, pharma, and industrial sectors, boosted by eco-friendly benefits and innovations in production and applications.”

Nikhil Kaitwade

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Growing Demand in Food and Beverage Industry

One of the primary drivers of the dry ice market expansion is the increasing need for effective refrigeration and

preservation solutions in the food and beverage industry. With the surge in global food

consumption and the rise of e-commerce platforms delivering perishable goods, dry ice offers an ideal solution for maintaining the cold chain during transport and storage. It ensures freshness and prevents spoilage without the use of traditional refrigeration methods, which can be costly and less efficient.

Moreover, the growing preference for frozen and ready-to-eat food products has intensified the need for reliable cold storage alternatives. Dry ice, due to its sublimation property—transitioning directly from solid to gas—leaves no residue, making it especially valuable for packaging and shipping applications. This has encouraged food processors, logistics companies, and retailers to adopt dry ice extensively, driving market demand.

Expanding Applications in Healthcare and Pharmaceuticals

Healthcare and pharmaceutical industries have increasingly embraced dry ice for the transportation of temperature-sensitive medicines, vaccines, and biological samples. The COVID-19 pandemic underscored the critical importance of maintaining strict temperature controls during vaccine distribution, highlighting dry ice as a vital component in cold chain logistics.

Additionally, dry ice is widely used in laboratories for specimen preservation and cryogenic freezing, further enhancing its demand. As healthcare infrastructure grows globally, especially in emerging economies, the requirement for reliable cooling agents like dry ice is expected to rise substantially.

Dive Deeper into Market Trends – Explore the Full Report!

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Regional Insights: North America and Asia-Pacific Lead Growth

Geographically, North America and Asia-Pacific are leading the dry ice market expansion. In North America, well-established cold chain infrastructure, robust healthcare systems, and advanced industrial sectors drive steady demand. The presence of major dry ice producers and distributors also facilitates easier market penetration and growth.

In the Asia-Pacific region, rapid industrialization, rising food exports, and expanding pharmaceutical manufacturing hubs are key growth factors. Emerging economies in this region are investing heavily in cold storage and transport infrastructure, which directly translates to higher dry ice consumption. Additionally, increasing awareness of dry ice's benefits in medical and industrial applications is fostering adoption.

Top Players in the Dry Ice Market

- Polar Ice Ltd
- Continental Carbonic Products, Inc.

- SICGIL India Limited
- Linde plc
- Air Liquide
- Tripti Dry Ice Co.
- Dry Ice UK Limited
- Central McGowan
- Thomas Scientific
- Merck KGaA

Industrial and Institutional Chemicals Industry Analysis:

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Dry Ice Market - Key Segments

By Type:

- Dry Ice Pellets
- Dry Ice Blocks
- Other Dry Ice Types

By Application:

- Dry Ice for Food & Beverages
- Dry Ice for Storage & Transportation
- Dry Ice for Healthcare
- Dry Ice for Industrial Cleaning
- Dry Ice for Other Applications

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