

Diethyl Ether - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)

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Report description:

The Diethyl Ether Market is expected to register a CAGR of greater than 5% during the forecast period.

COVID-19 affected several sectors, including diethyl ether. Due to supply chain interruptions and lower end-use demand, diethyl ether demand slowed during the pandemic. As the pandemic settled and business returned, the market recovered. Growth of the pharmaceutical and chemical sectors post-COVID increased diethyl ether consumption.

Key Highlights

- One of the major factors driving the market is the growing demand for industrial and laboratory solvents.
- The automotive industry led the market, and this trend is expected to continue over the next few years.
- But the growth of the diethyl ether market can be slowed by the growing availability of other solvents like ethanol and isopropyl alcohol.
- Using diethyl ether to make carbon nanotubes with more than one wall could be a good idea in the future.
- North America dominated the market across the world, with the largest consumption coming from the United States.

Diethyl Ether Market Trends

Consumption of Diethyl Ether in Automotive Industry

- Diethyl ether is used in the automobile industry as an octane and oxygen enhancer in gasoline, as well as a lubricant oil blend.

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Octane rating, which evaluates a fuel's capacity to prevent "knocking" or early detonation in an engine. It can also increase the oxygen content of gasoline, improving combustion and lowering pollutants.

- Diethyl ether can be used as an additive in diesel starting fluids, which are designed to aid in starting diesel engines in cold weather. The ether helps to evaporate the diesel fuel, making it easier for the glow plugs to ignite. This makes starting a cold-weather diesel engine easier and more reliable.
- Diethyl ether is very flammable, so it makes the engine start up quickly by almost doubling the pressure in the cylinder.
- Smaller commercial vehicles and delivery trucks consume more gasoline because of their reduced weight and higher fuel efficiency. However, bigger commercial vehicles, such as tractor-trailers and heavy-duty freight trucks, often prefer diesel engines due to their greater weight and durability. In 2021, the total number of commercial cars built was 23.09 million, up from 21 million in 2020 (an increase of 6%).
- In the period from 2012 to 2021, over 228.57 million commercial vehicles were manufactured. Furthermore, according to the European Automobile Manufacturers Association, during January-September 2022, new passenger car registrations in Asia Pacific increased by more than 7% as compared to a similar period last year.
- Recent improvements to diesel engine technology have made them a better choice for owners and drivers of commercial vehicles because they are cleaner and less harmful to the environment.
- The diethyl ether additive can be of higher interest in the starting fluid in countries with cold climates, as it helps in the cold-starting of an engine at sub-zero temperatures.
- The consumption of diethyl ether in diverse ways in the automotive industry is likely to drive the demand for diethyl ether in the coming years.

North American Region to Dominate the Market

- The North American region dominated the global market share in 2022. The United States is the largest producer and consumer of diethyl ether across the world.
- Pharmaceutical spending in the United States has been increasing over the past few years. According to the American Society of Health-System Pharmacists, in 2021, total drug spending in the U.S. increased by 7.7% and surpassed USD 575 billion. The increase in drug spending is most likely due to large chronic therapy areas, such as hypertension and mental health. Diethyl ether is used as a solvent for drugs.
- Supply chain constraints will severely affect the U.S. automotive industry in 2022. Annual vehicle sales in 2022 declined by more than 8% compared to 2021. However, according to General Motors and Toyota, the industry will rebound in 2023. For instance, according to the U.S. Bureau of Economic Analysis, in January 2023, total vehicle sales in the U.S. surpassed 16 million units, more than 16% as compared to December 2022.
- With an increasing demand for pharmaceutical drugs and laboratory reagents, the market for diethyl ether is likely to grow at a good pace during the forecast period.

Diethyl Ether Industry Overview

The diethyl ether market is partially fragmented, with the major players accounting for a small chunk of it. Some of these major players include BASF SE, LyondellBasell Industries Holdings BV, Merck KGaA, and INEOS.

Additional Benefits:

- The market estimate (ME) sheet in Excel format
- 3 months of analyst support

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