

Dimethyl Ether Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2022-2027

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Abstracts

The global dimethyl ether (DME) market size reached US\$ 5.5 Billion in 2021. Looking forward, IMARC Group expects the market to reach US\$ 9.7 Billion by 2027, exhibiting a growth rate (CAGR) of 9.77% during 2022-2027. Keeping in mind the uncertainties of COVID-19, we are continuously tracking and evaluating the direct as well as the indirect influence of the pandemic on different end use industries. These insights are included in the report as a major market contributor.

Dimethyl ether (DME), or methoxy methane, is an odorless and colorless organic compound that is used as a substitute for energy fuels in compression ignition diesel engines. It is a clean-burning, non-toxic and renewable fuel with a high cetane value. It is synthetically produced by converting hydrocarbons to synthesis gas (syngas) through the gasification process. The syngas is converted to methanol by using a copper-based catalyst, with subsequent dehydration of methanol, thereby resulting in the production of DME. It is widely used as an alternative for transportation fuel, power plant fuel and propane in liquified petroleum gas (LPG) and as a raw material for manufacturing various chemical products.

Significant growth in the automotive industry, along with rapid industrialization across the globe, is one of the key factors driving the growth of the market. Furthermore, increasing environmental consciousness among the masses is also providing a boost to the market growth. Automobile manufacturers are rapidly replacing transportation fuels, such as diesel, petrol and LPG, with cleaner fuels that have high ignition value and low-levels of carbon emissions into the environment. In line with this, widespread adoption of DME as an aerosol propellant in the manufacturing of pharmaceuticals, paints, coatings and personal care products, such as perfumes and hair sprays, is driving the market further. Additionally, the growing requirement of DME for enhanced oil recovery

and improved efficiency of various drilling and fracturing processes is also acting as a growth-inducing factor. For instance, DME is mixed with brine and is injected into the reservoir to swell up oil and reduce its viscosity, thereby enabling the extraction of remaining oil from mature fields.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global dimethyl ether (DME) market report, along with forecasts at the global, regional and country level from 2022-2027. Our report has categorized the market based on raw material, application and end-use industry.

Breakup by Raw Material:

- Methanol
- Coal
- Natural Gas
- Bio-Based
- Others

Breakup by Application:

- Fuel
- Aerosol Propellant
- LPG Blending
- Chemical Feedstock
- Others

Breakup by End-Use Industry:

- Oil and Gas
- Automotive
- Power Generation
- Cosmetics
- Others

Breakup by Region:

- North America
- United States

Canada
Asia Pacific
China
Japan
India
South Korea
Australia
Indonesia
Others
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined with some of the top dimethyl ether manufacturers being Akzo Nobel N.V., Cornerstone Chemical Company B.V., Chinese Energy Holdings Limited, ENN Energy Holdings Limited, Grillo-Werke AG, Korea Gas Corporation, Mitsubishi Corporation, Oberon Fuels, Royal Dutch Shell plc, The Chemours Company LLC, and Zagros Petrochemical Company, etc.

Key Questions Answered in This Report:

How has the global dimethyl ether market performed so far and how will it perform in the coming years?

What are the key regional markets?

What has been the impact of the COVID-19 on the global dimethyl ether industry?

What is the breakup of the market based on the raw material?

What is the breakup of the market based on the application?

What is the breakup of the market based on the end-use industry?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global dimethyl ether market and who are the key players?

What is the degree of competition in the industry?

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