

South & Central America Dimethyl Ether Market Forecast to 2030 – Regional Analysis – by Application (Aerosol Propellants, LPG Blending, Transportation Fuel, Power Generation Fuel, Chemical Feedstock, and Others)

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Abstracts

The South & Central America dimethyl ether market was valued at US\$ 853.51 million in 2022 and is expected to reach US\$ 1,655.34 million by 2030; it is estimated to grow at a CAGR of 8.6% from 2022 to 2030 .

Growing Demand for Clean Transportation Fuel the South & Central America Dimethyl Ether Market

The increasing demand for clean and sustainable transportation fuels presents a significant opportunity for the dimethyl ether market. As governments, industries, and consumers worldwide increasingly prioritize environmental sustainability and seek alternatives to conventional fossil fuels, DME emerges as a promising candidate due to its unique properties and compatibility with clean transportation needs. One of the key drivers behind the demand for clean transportation fuels is the urgent requirement to lessen greenhouse gas emissions and air pollutants. Conventional diesel fuels contribute to air pollution and are a considerable source of carbon dioxide emissions. DME, on the other hand, offers several environmental advantages. It produces lower particulate matter emissions, sulfur dioxide, and nitrogen oxides than traditional diesel. Moreover, DME combustion generates fewer greenhouse gases, contributing to cleaner air quality and a more sustainable future.

Governments are implementing stricter regulations to curb vehicle emissions, providing a favorable environment for the adoption of cleaner fuels. As DME can be easily

integrated into existing diesel engines with minimal modifications, it provides an attractive solution for industries seeking immediate emissions reduction with extensive infrastructural changes. Furthermore, the unique combustion characteristics of DME, such as its high cetane number and lack of soot formation, make it an excellent fuel for compression ignition engines. This positions DME as a viable alternative to diesel in heavy-duty transportation applications, including trucks, buses, and even marine vessels. The compatibility of DME with existing engine technology reduces the transition barriers for industries looking to switch to cleaner fuels.

DME's advantages in terms of lower emissions, reduced reliance on petroleum-derived fuels, and compatibility with current infrastructure align with these objectives. As a result, the dimethyl ether market is poised to capitalize on this demand growth, positioning itself as a cleaner, more sustainable transportation fuel. By addressing the environmental challenges associated with traditional fuels, DME can play a pivotal role in shaping a greener and more sustainable transportation sector globally.

South & Central America Dimethyl Ether Market Overview

In 2021, Mitsubishi Gas Chemical Company, Mitsubishi Corporation, Mitsubishi Heavy Industries Engineering, the National Gas Company of Trinidad and Tobago, Massy Holdings, and Caribbean Gas Chemical Limited teamed up to launch commercial operations of methanol and dimethyl ether (DME) plant in Trinidad and Tobago. The plant aimed at an annual production capacity of ~1 million metric ton of methanol and ~20 thousand metric ton of DME. Further, DME has potential applications in chemical feedstock; it can be used as an alternative fuel for vehicles and power generation. Thus, DME is expected to draw immense attention as a next-generation energy source in the region.

South & Central America Dimethyl Ether Market Revenue and Forecast to 2030 (US\$ Million)

South & Central America Dimethyl Ether Market Segmentation

The South & Central America dimethyl ether market is segmented based on application and country.

Based on application, the South & Central America dimethyl ether market is segmented into aerosol propellants, LPG blending, transportation fuel, power generation fuel, chemical feedstock, and others. The LPG blending segment held the largest market

share in 2022.

Based on country, the South & Central America dimethyl ether market is segmented into Brazil, Argentina, and the Rest of South & Central America. Brazil dominated the South & Central America dimethyl ether market share in 2022.

Nouryon Chemicals Holding BV, Shell Plc, Mitsubishi Gas Chemical Co Inc, The Chemours Co, Grillo-Werke AG, and Merck KGaA are some of the leading players operating in the South & Central America dimethyl ether market.

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