NexantECA

Markets & Profitability

Market Analytics: Methanol & Derivatives - 2023

Market Analytics: Methanol & Derivatives - 2023 is one in a series of reports published as part of NexantECA's Markets & Profitability program.

Market Analytics: Methanol & Derivatives - 2023 report provides an in-depth analysis of the methanol industry including:

- Methanol
- Formaldehyde
- Methyl tert-Butyl Ethyl (MTBE)
- Acetic Acid

Published: April 2023

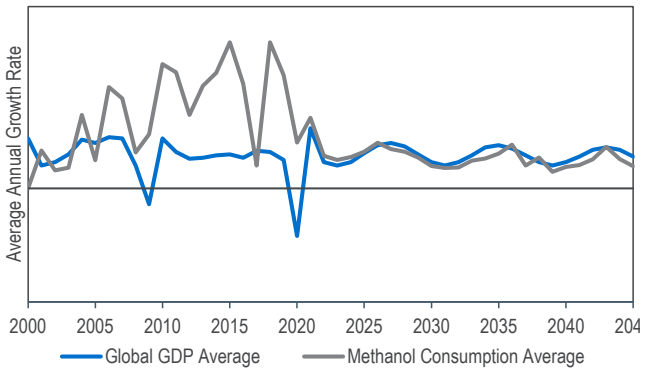
Along with the written report, NexantECA's Online Database includes supply, demand and trade analysis for 40 countries and global capacity listings updated on a monthly basis.

Report Abstract:

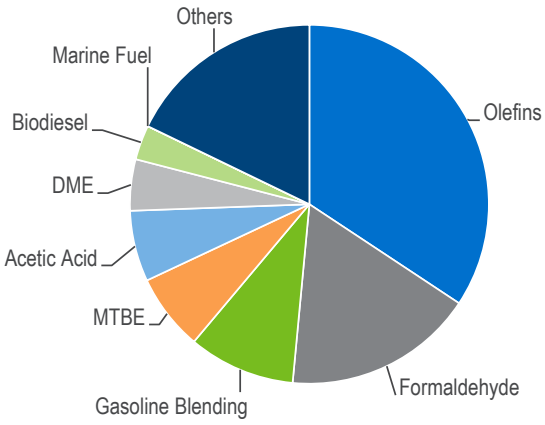
Methanol is one of the largest petrochemical markets by volume, and has become a feedstock for two of the other key petrochemical building blocks; ethylene and propylene.

The use of methanol can be divided into two categories: chemical-related and fuel-related applications. In 2005, chemical derivatives (acetic acid, formaldehyde, and others) accounted for almost all methanol demand. More than a decade later, chemical derivatives comprised three-quarters of methanol demand as fuel end uses (e.g., MTBE, gasoline blending, biodiesel, and DME), represent the remainder of methanol consumption. Demand into olefins production, the fastest growing of the chemical end-uses' markets, is now the largest single outlet for methanol, an end use that has only been in commercial operation since 2010.

Global Methanol Consumption Growth
million tons



Global Methanol Demand, 2023



Methanol's importance makes it a prime target for more sustainable production processes. Currently, it is produced from fossil fuel sources of either natural gas or coal, via syngas. There are three broad routes to make methanol production 'greener' and more sustainable:

- E-methanol involves using renewable power to produce hydrogen via the electrolysis of water. This can then be reacted with captured carbon dioxide, to produce methanol.
- Bio-methanol involves harnessing biomass feedstocks, such as agricultural waste, forestry residues or even landfill garbage to produce methanol via gasification
- 'Blue' methanol involves capturing the emissions from a conventional methanol facility before sequestering them.

An application of methanol that is emerging with great potential is used as a marine fuel. Interest has been increasing as a global cap on sulfur in marine fuel of 0.5 percent finally came into force in 2020. Unfortunately, the COVID-19 pandemic coincided with this timeline to disrupt trade and shipping anyway.

For more information contact us at Markets@NexantECA.com or www.NexantECA.com

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Table of Contents:

Chapters 3 to 6 are segmented by key region:

- North America
- South America
- Western Europe
- Central Europe
- Eastern Europe
- Middle East
- Africa
- Asia Pacific

Each region/country is further segmented by:

- **Consumption:** Assesses historic and forecast consumption; forecasts are based on projections of end use and economic activity.
- **Supply:** Includes a list of all producers, their production capacity, location, etc., and discussion of the status of new projects.
- **Supply, Demand and Trade:** Provides historical analysis and forecasts to 2045 of consumption, production, imports/exports, inventory build-up/decline, capacity and capacity utilization.

This analysis will identify the issues shaping the industry, as well as provide an independent appraisal of the market.

For related analysis, please refer to:
Profitability and Price Forecasts: Methanol & Derivatives Quarterly Business Analysis

Subscription Details:

Subscription to **Market Analytics: Methanol & Derivatives - 2023** includes:

- 12 month access via the NexantECA website, to:
  - Unlimited downloads of PDF reports
  - Downloadable data in Excel from the Online Database
- Webinar
- Consultation time with the project team

Customized subscriptions are also available.

Contact Us:

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NexantECA Subscriptions and Reports provide clients with comprehensive analytics, forecasts and insights for the chemicals, polymers, energy and cleantech industries. Using a combination of business and technical expertise, with deep and broad understanding of markets, technologies and economics, NexantECA provides solutions that our clients have relied upon for over 50 years.

The **Markets and Profitability** program comprises of the well-known Petroleum and Petrochemical Economics (PPE), PolyOlefins Planning Service (POPS), Strategic Business Analysis (SBA) and World Gas Analytics (WGAS).

Markets and Profitability tracks over 60 feedstocks, petrochemicals, polymers, chemical intermediates and fertilizers on an ongoing basis and provides regularly updated reports covering all commercial aspects of these global industries. The accompanying database, provides global analysis and forecasts in two major inter- related areas: **Markets and Profitability**.

NexantECA serves its clients from over 10 offices located throughout the Americas, Europe, the Middle East, Africa and Asia.

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