

Methanol

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Methanol Latest News

Recently, the Deendayal Port Authority (Kandla Port) has advanced its methanol bunkering capabilities, positioning itself as a key player in India's energy transition efforts and global green shipping corridors.

About Methanol

- It is also **known as wood alcohol** is the simplest alcohol (CH_3OH).
- **Production**
 - This fuel is **generally produced by steam-reforming natural gas** to create a synthesis gas. Feeding this synthesis gas into a reactor with a catalyst produces methanol and water vapor.
- **Properties**
 - It appears as a **colorless fairly volatile liquid** with a **faintly sweet pungent** odor like that of ethyl alcohol.
 - It can **completely mix with water**.

- It has a **high-octane**, clean-burning fuel that is a potentially important substitute for gasoline in automotive vehicles.
- **Applications:** Used to **make chemicals**, to **remove water from automotive** and aviation fuels, as a solvent for paints and plastics, and as an ingredient in a wide variety of products.

Benefits of Methanol

- Methanol can be an alternative to conventional transportation fuels.
- **Lower production cost:** Methanol is **cheap to produce** relative to other alternative fuels.
- **Improved safety:** Methanol has a **lower risk of flammability** compared to gasoline.
- **Increased energy security:** Methanol can be manufactured from a variety of domestic carbon-based feedstocks, such as biomass, natural gas, and coal.

Source: **PIB**

Source: <https://vajiramandravi.com/current-affairs/methanol/>

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