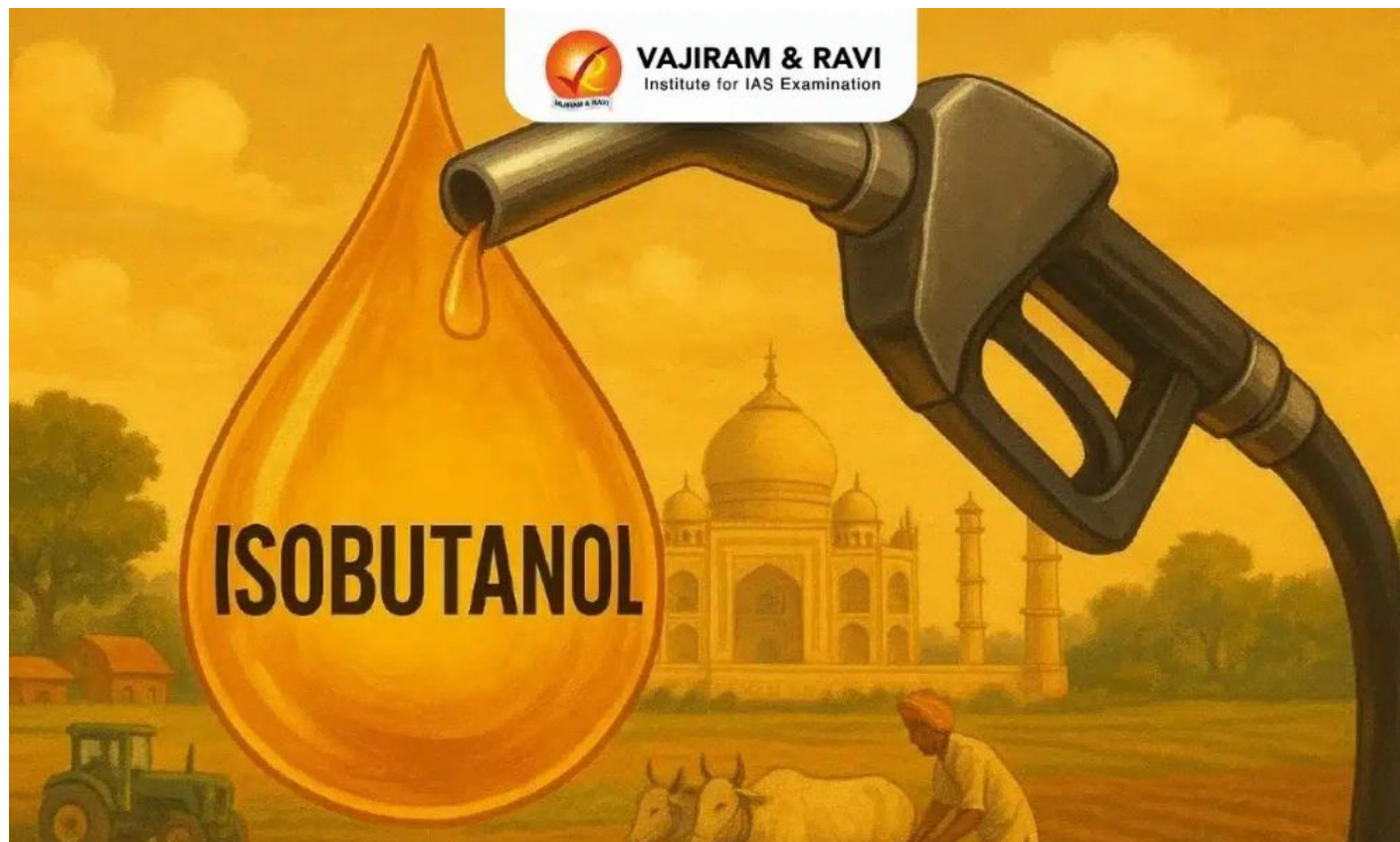


Isobutanol

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Isobutanol Latest News

The Indian government is likely to introduce a mandate permitting blending isobutanol with diesel by the end of this year.

About Isobutanol

- It is also called **isobutyl alcohol**, is an alcohol with the **chemical formula $C_4H_{10}O$** and one of the **four isomers of butanol**.

Properties of Isobutanol

- It is a clear, **colorless liquid** with a characteristic odor.
- It is only **moderately soluble in water**.
- It is **very flammable** and has a flash point that is only slightly above normal room temperatures.
- Its **vapors are heavier than air** and can spread unnoticed along the ground.
- It can be made from ethanol using **fermentation processes**.

Applications of Isobutanol

- It is used as a solvent in **the flavor, fragrance, pharmaceutical**, and pesticide industries and as a chemical manufacturing ingredient for products such as lacquer, paint strippers, paint primer, and craft paints.
- It is an approved food additive and is also **naturally occurring in some foods** and many alcoholic beverages.
- Isobutanol may also be used **as a biofuel because**, like ethanol, it can be manufactured from plants.
- It possesses some favorable properties that make it an **attractive fuel for internal combustion engines**.
- Isobutanol **is less corrosive** than ethanol and **is much less hygroscopic**, which enables it to be transported using the existing fuel infrastructure.

Source: **HT**

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

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