

# 2-MeTHF: A biobased solvent manufactured in Europe

As the future of chemistry turns green, International Furan Chemicals (IFC) is at the forefront of innovation, transforming agricultural waste into valuable biobased chemicals. Our commitment to sustainability is evident through our leadership in producing furfuryl alcohol, polyfurfuryl alcohol resin systems and chemical derivatives, driving impactful change towards a greener and more sustainable future.

## Leading the way in biobased chemical production

Our chemical platform finds its origin in sugarcane, one of the most energy-efficient and intrinsically sustainable crops on the planet. The bagasse, which remains after the sugar production, is the primary raw material of all our chemicals.

Operating since 1972, our manufacturing facility in Belgium (at our sister company TransFurans Chemicals) has supplied biobased chemicals into a wide variety of industries. With the introduction of 2-methyltetrahydrofuran (2-MeTHF, Figure 1), we are enhancing our capabilities.

## 2-MeTHF: A sustainable solvent

2-MeTHF is one of our key products in the further development of the company. This innovative solvent provides a renewable alternative to traditional fossil-based solvents like tetrahydrofuran (THF) and dichloromethane (DCM), resulting in significantly lower carbon emissions without compromising performance.

With established applications in the pharmaceutical industry as a solvent for Grignard reactions, organometallic reactions and numerous emerging uses, 2-MeTHF



supports the transition to more sustainable chemical processes.

2-MeTHF offers multiple advantages to support green chemistry:

- **Enhanced efficiency:** A higher boiling point and improved separation from water contribute to more efficient processes
- **Improved yields:** Reduced by-product formation results in better reaction outcomes
- **Safer handling:** Lower tendency to form peroxides compared to THF
- **Environmental impact:** Lower carbon emissions and reduced environmental footprint

These properties result in enhanced process efficiencies, a reduced environmental footprint and cost savings per kilogram of end product when used as a reaction solvent.

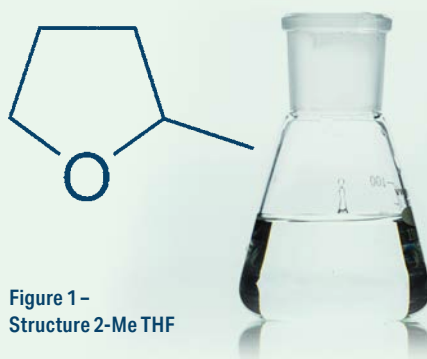
With production in Belgium, our unique business model offers a customer-centric approach to ensure:

- EU origin material and consistent quality
- Local stocks of material with reduced lead times
- Flexibility in logistics to meet customer needs
- Competitive pricing for high value solutions

## The future is green

At IFC, sustainability is a core value. We are dedicated to being reliable, respectful, innovative, and deeply committed to a sustainable future by turning agricultural waste into biobased products. This commitment is highlighted by:

- **EcoVadis Gold Certification:** Earned two years in a row for excellence in sustainability
- **ISO 9001 and 14001 Certifications:** Ensuring top standards in quality, safety and environmental management. ●



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