

How renewable fuel ethers will decarbonize road transport and improve air quality

1 Renewable feedstocks to deliver CO₂ reduction faster

► Our ethers are made from corn, sugar cane and agricultural/forestry waste and do not compete with food production.

2 Renewable fuel ethers for zero-carbon liquid fuels

► Renewable fuel ethers combine bio-feedstocks with renewable iso-butylene produced from renewable naphtha.
 ► Using novel techniques e.g. steam cracker co-feeding makes our ethers 100% renewable blendstock for net zero-carbon liquid fuels.

3 Fuel ethers instead of harmful chemicals and metals

► Too many metals and harmful chemicals are still blended to increase the petrol's octane.
 ► They affect the engine's durability and increase NO_x emissions. Ethers however are a high-quality octane booster with no impact on engines and help decrease emissions fast.

4 Produced and handled in accordance with most stringent HSE requirements

► Fuel ethers are produced in accordance with the latest health, safety and environmental regulations.
 ► Fuel ether producers uphold and promote the highest standards of safety in the production, transportation, (underground) storage and use of fuel ethers.
 ► This makes our ethers a safe product under normal conditions of use i.e. car refueling.

5 Existing infrastructure is already in place to deploy renewable fuel ethers

► Renewable fuel ethers are blended in refineries and transported using existing infrastructure.
 ► Fuel ethers also help save more than 50,000 tonnes of ozone precursors such as VOCs per year, emissions which also take place during refueling.

6 High-octane fuels improve air quality and provide fuel efficiency to accelerate CO₂ reductions

► Adding fuel ethers to petrol increases the octane and CO₂ savings through higher fuel consumption efficiency.
 ► Introducing RON 102 would lower fuel consumption by 7%, resulting in 20 million tonnes of CO₂ savings per year.
 ► Fuel ethers also immediately address poor air quality: pollutant emissions such as toxics, VOCs and particulate matters (PM) are reduced drastically: with circa 1% of MTBE resulting in a 2-3% PM emission reductions, fuel ethers deliver immediately in reducing health impacts of poor air quality.

