



**SuINNOx**

**Taking you further, faster and cleaner**

The Greentech company providing  
next generation, natural solutions, for immediate  
progression towards carbon neutrality



**E10 petrol is here**

Be prepared with SuINNOxEco™ Petrol Conditioner

## What is E10 petrol?

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E10 petrol is so named as it contains up to 10% renewable ethanol, which will help to reduce carbon dioxide (CO<sub>2</sub>) and Nitrogen Oxide (NO<sub>x</sub>) emissions associated with petrol vehicles. Petrol in the UK currently contains up to 5% renewable ethanol (known as E5) but from September 1st, 2021, E10 will be standard in all filling stations across the UK to help tackle climate change.

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## Does this affect me?

Yes. E10 will increase everyone's fuel consumption as ethanol contains less energy than petrol. The risks of E10 are generally only for older petrol cars (pre-2010) with estimates of over 600,000 cars being affected in the UK alone. You can check your vehicle at <https://www.gov.uk/check-vehicle-e10-petrol> to see if you are affected by this change.



## Increased costs & reduced performance

Ethanol contains about one third less energy than petrol. Therefore, adding more ethanol to petrol means reducing the overall energy content of petrol by about 2%. This may lead to higher fuel consumption and potentially a loss of performance in certain cars with the new E10. This is clearly concerning.

## What problems does E10 cause and why?

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The main problem with E10 is that the additional ethanol content encourages separate layers of water and fuel to form in the tank. This was less of a problem with the old E5 standard.

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All fuels at the pump contain small doses of water. However, extra water is gained over time in fuel tanks purely from condensation, which is unavoidable. This extra water typically gathers and sits in a separate layer at the bottom of the fuel tank where the fuel line draws from.

Ethanol prefers to mix with water as opposed to petrol and where there is sufficient of both, the ethanol will leave the petrol and preferentially combine with the water and form an even larger separate layer at the bottom of the tank. The fuel line then draws from this watery alcohol mixture and is pumped directly into the engine causing damage and breakdowns. This is often the cause of cars going into "limp home mode" over the winter. E10 is just going to exacerbate this issue because more ethanol encourages separation.

Further information regarding the E10 petrol grade can be found at:  
<https://www.rac.co.uk/drive/advice/emissions/what-is-e10-fuel-and-how-could-it-affect-you>

# The Solution: SulNOxEco™ Petrol Conditioner

The problems with E10 arise from water and ethanol separating out from the petrol. **SulNOxEco™ Petrol Conditioner** removes these problems by making sure the petrol, water and ethanol all mix better to prevent separation.

SulNOxEco™ Petrol Conditioner lifts the water from the bottom of the tank and re-disperses it throughout the fuel. Properly dispersed water means that the ethanol cannot combine in a single phase with it and separate out. Preventing this separate watery alcohol phase from forming is the key to removing the problems with E10. Your car is therefore protected from the inconvenience and costs of a breakdown and subsequent maintenance & recovery.

**Using SulNOxEco™ Petrol Conditioner each time you fill up with E10 also offers ongoing protection.**



## Saving money and other added benefits of SulNOxEco™ Petrol Conditioner

SulNOxEco™ Petrol Conditioner is a brand new, all natural Greentech. We do not add alcohols or fossil fuel accelerants, only biodegradable, non bio-accumulative, sustainable products. Conditioning E10 petrol with SulNOxEco™ Petrol Conditioner provides more than just protection from E10 including:

- ✓ Improved fuel economy from improved combustion efficiency \*
- ✓ Reduced emissions [c. 30% CO<sub>2</sub> and other greenhouse gases] and less visible smoke
- ✓ Lubricity improved >30% means engines rev more freely with significant extension to the life of engine lubricant oils, leading to a substantial reduction in engine wear
- ✓ Reduces corrosion from ethanol and extends the life of fuel hoses, fuel pumps, fuel dampers, seals, gaskets, diaphragms and other rubber parts



**\* Spend 2p and save 5p - > £2 for every 50 litres of fuel**

## Warranty and Compatibility

Manufactured by Nouryon BV, SulNOxEco™ Petrol Conditioner is verified by Bureau Veritas to be compatible with EN228 gasoline (E5 and E10) and is certified to comply with, and even enhance, its specification. SulNOxEco™ Petrol Conditioner is the only fuel additive that maintains the integrity of your engine warranty by remaining fully EN228 compliant.

**Nouryon**



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# SulNOx

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SulNOx is a member of the UK & Ireland Fuel Distributors Association

<https://ukifda.org>