



## FAQs Sheet: Petrol Additives

### 1. Under what circumstances should I consider using a fuel additive?

You need to consider using a petrol additive if you have an older vehicle that was designed to run on leaded fuel or in any vehicle where you wish to improve its performance or fuel efficiency.

### 2. What does a petrol additive do?

Millers petrol additives increase the octane of the base fuel, prevent detonation and allow older engines to run safely on unleaded fuel.

### 3. What is meant by the octane number?

The octane number is a measure of a fuel's ability to resist detonation. The higher the octane number, the more resistance a fuel will have to detonation. This enables the engine to be more highly tuned and to release more power and / or improve the fuel consumption. The higher the octane number, the better the fuel.

### 4. Do Millers produce a lead replacement additive?

Yes, Millers VSP Plus. In the past, Tetra Ethyl Lead was introduced into petrol to improve engine performance by adding octane. It also lubricates the valves and prevents valve seat recession. Millers VSP Plus uses a compound of manganese known as MMT to replicate the benefits of lead.

When added to unleaded petrol, it will add 2 octane numbers, prevent the onset of detonation and lubricate the valves. 97 unleaded becomes the equivalent of 99 leaded.

### 5. Are all lead replacement additives the same?

No, The majority are only valve lubricants and do not add any octane. Millers VSP Plus is different as it adds octane as well as providing valve lubrication.

### 6. What should I use in a racing engine?

Millers CVL (competition valve lubricant) is specially developed to enable older engines used in motor sport to run on unleaded fuel. It is formulated to comply with the FIA fuel regulations.

### 7. Which additive should I use to get maximum performance from my car?

Millers CVL Turbo will add 4 octane to the base fuel. This means that up to 103 octane is available by using Shell V Power or a similar premium unleaded fuel. This combination is ideal for Motorsport or track day use in all performance engines.

### 8. Is it OK to use CVL Turbo in a car fitted with a catalytic converter?

Yes, no problem for track day and occasional road use, but is not recommended for continuous use. We have a product called Octane Plus (which adds up to 2 octane numbers) which is suitable for continuous use in vehicles fitted with a catalytic converter.

Millers Oils range of fuel additives is available from Moss Europe:

Description	Part No	Retail (inc VAT)
VSP Plus 250ml	GGL4003X	£4.25
CVL 250ml	GGL4011X	£7.95
CVL Turbo 500ml	GGL4010X	£9.95

