

FAQs on Adblue or Diesel Exhaust Fluid (DEF)

RSA

What is diesel exhaust fluid (DEF) or Adblue? This is an aqueous urea based solution stored in a dedicated tank and injected into the exhaust stream of a diesel engine to lower harmful emissions.

Why is AdBlue required? Diesel engines are now required to meet strict Nitrogen Oxide (NOx) emission standards to help control air pollution. Adblue assists in lowering the release of harmful emissions into the environment.

How does AdBlue work? It is injected into the selective catalytic reduction (SCR) catalyst setting off a chemical reaction in order to convert the NOx into nitrogen, water and tiny amounts of carbon dioxide (CO₂).

Is AdBlue a fuel or fuel additive? Neither. It has its own tank and is stored completely separately to the fuel. It is an exhaust additive and *NEVER* goes into engine.

How do I know if my vehicle uses AdBlue? Most diesel cars registered new after late 2015 will use AdBlue.

To check if your car uses AdBlue:

- refer to the owner's manual or contact the manufacturer or authorised distributor.
- look for an AdBlue filler cap next to the fuel filler (as shown), the boot or under the bonnet.
- check the use of 'Blue' or SCR in the model name.



How do I check the AdBlue level? Most new vehicles will have a dashboard warning light which notifies you if there is a particular error or if you are running low in oils or fluids including AdBlue. Every vehicle is different so refer to owner's manual or contact the manufacturer or authorised distributor.

What happens if AdBlue runs dry? If AdBlue runs dry a warning signal will light up on dashboard showing '*Refill AdBlue*'. You will need to add Adblue or the engine will not restart once you stop it.

How much AdBlue do I need? This will depend on the type of vehicle:

- For cars a standard 10 litre pack will be sufficient to refill the tank to a comfortable level.
- Larger vehicles e.g. large trucks and buses will require several packs or a larger volume from a barrel such as an intermediate bulk container (IBC) or AdBlue dispensing system.

You can also refer to owner's manual or contact the original manufacturer.

Can I top up AdBlue level at service station? Yes. Many service stations display the AdBlue symbol. You can refer to your owner's manual or contact the vehicle manufacturer for advice on the recommended fluid to use. Always follow manufacturer's guidelines for usage of product when refilling your tank.

What happens if I fill AdBlue in diesel tank or diesel in Ad-Blue tank? Do not start the vehicle. The tank will need to be drained. If there is any lasting damage contact the manufacturer.

How do I know which AdBlue to use? Refer to owner's manual or contact the manufacturer. It is recommended that you should only buy a product bearing the name AdBlue and that it is manufactured according to the applicable [ISO standards](#).

What is an AdBlue emulator? A device used to disable exhaust-cleaning systems such as adblue.

Are Adblue emulators illegal? Yes. Under road traffic regulations it is an offence to use a vehicle in a public place that has been modified to an extent that it no longer complies with the air pollutant emissions standards that it was originally designed to meet. Enforcement of this legislation is the responsibility of An Garda Síochána.