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## Environment-friendly and saves fuel – the urea solution from febi

The name of AdBlue® – a brand owned and protected by the German Association of the Automotive Industry (VDA) – is familiar to many. Behind this name is an aqueous urea solution, made up of 32.5% pure urea and 67.5% demineralised water. This mixture makes it possible to reduce the emission of nitrogen oxides of diesel engines by more than 90%. And there is a positive side effect in the form of a reduction of 7% in the fuel consumption.

The urea solution is injected by means of a dosing pump into the exhaust gas system and from there, together with the exhaust gases, reaches the catalytic converter. Owing to the action of heat in the converter, the urea is converted into ammonia. This newly generated ammonia is fed to the SCR catalytic converter and reacts with the pollutant nitrogen oxides. The reaction gives rise to steam and atmospheric nitrogen.

If the urea level drops to near zero, modern diesel vehicles go into emergency operation, in which the speed is limited to a maximum of 20 km/h - a measure that is required by law, since otherwise, the nitrogen emissions get substantially increased and the specified exhaust gas standards cannot be met any more.

febi can supply 10-litre containers of the high-quality urea – in the exact mixing ratio according to ISO 22241. This not only protects the environment, but, thanks to the fuel saving effects, is also easy on the wallet.

For more technical information please visit: [partsfinder.bilsteingroup.com](http://partsfinder.bilsteingroup.com)