

# ADBLUE®

## Description

AdBlue® is a 32.5% solution of high-purity urea in demineralised water.

## Applications

Adblue® is bound to use in diesel vehicles equipped with SCR to adapt the vehicle Euro IV, V and VI emission standards. It is carried onboard SCR-equipped vehicles in specially and separately designed tanks. It is necessary to avoid adding fuel into AdBlue® tank. SCR is the technology designed on refining the exhaust gases by injection of AdBlue® directly on to emission channel. This system reduces levels of NOX using ammonia as a reductant within a catalyst system. AdBlue®, as the reducing agent, reacts with NOX to convert the pollutants into nitrogen, water and tiny amounts of carbon dioxide (CO2) - natural elements common to the air we breathe everyday.

## Benefits

- It provides fuel economy nearly as 6% in Euro IV SCR-equipped vehicles rather than Euro III vehicles.
- AdBlue® is not a hazardous and dangerous substance. It is environment friendly.
- Reduces the nitrogen oxides (NOx) releasing by exhaust gases up to 80%.
- It is easy, safe and efficient to use.

## Performance

ISO 22241-1, DIN 70070 (standard)

## Typical Specifications\*

Urea Content Unit % (m/m)	ISO 22241-2	31,8-33,2
Density, 20 °C kg/liter	ISO 12185	1,090
Refractive Index	ISO 22241-2	1,3814-1,3843
Alkalinity as NH <sub>3</sub> % (m/m)	-	≤0,2
Biuret % (m/m)	ISO 22241-2	≤0,3
Aldehydes mg / kg	ISO 22241-2	≤5
Insolubles mg / kg	ISO 22241-2	≤20

\* AdBlue® is a registered trademark of the VDA (Verband der Automobilindustrie).

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\* Values shown may differ between productions.



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