

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 seperately 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/m ³	ISO 12185	1,090
Refractive Index	ISO 22241-2	1.3814-1.3843
Alkalinity as NH ₃ % (m/m)	-	Max. 0.2
Biuret % (m/m)	ISO 22241-2	Max. 0.3
Aldehydes mg / kg	ISO 22241-2	Max. 5
Insolubles mg / kg	ISO 22241-2	Max. 20

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

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* Values shown may differ between productions.