



# AdBlue®

## NOx reduction fluid

### Description

AdBlue® is a high-purity urea solution made with deionized water.

It meets the requirements of the ISO 22241 and DIN 70070 standards.

### Applications

- AdBlue® is used to lower the emissions of nitrogen oxides (NOx) from diesel vehicles fitted with Selective Catalytic Reduction (SCR) converters.
- The product is sprayed into the exhaust stream before exhaust gases reach the catalyst. Due to the high temperature, EKO AdBlue® releases ammonia. Ammonia, as it then moves through the catalyst, reacts with nitrogen oxides, and converts them into harmless nitrogen and water vapour, which are safe for the environment.

### Specifications

ISO 22241 / DIN 70070.

### Special Instructions

It is recommended that the product is stored below 30°C and above -11°C. Avoid direct sunlight. When properly stored, the product's lifespan is 12 months.

**CAUTION!** It is not a diesel fuel additive. It is placed in your vehicle's separate AdBlue® tank.

## Typical Characteristics

Properties	Methods	Units	AdBlue®	Limits
Appearance	Visual Inspection	-	colourless, clear	colourless, clear
Urea Content	ISO 22241-2 Annex C	% w/w	32.5	31.8-33.2
Density, 20°C	ISO 3675	kg/m3	1089.0	1087.0-1093.0
Refractive Index, 20°C	ISO 22241-2 Annex C	units	1.3818	1.3814-1.3843
Alkalinity as ammonia	ISO 22241-2 Annex D	% w/w	0.02	0.2 max
Biuret	ISO 22241-2 Annex E	% w/w	0.01	0.3 max
Aldehydes	ISO 22241-2 Annex F	mg/kg	0.1	5 max
Insolubles	ISO 22241-2 Annex G	mg/kg	8.2	20 max
Phosphates	ISO 22241-2 Annex H	mg/kg	<0.1	0.5 max
Calcium	ISO 22241-2 Annex I	mg/kg	0.02	0.5 max
Iron	ISO 22241-2 Annex I	mg/kg	0.02	0.5 max
Copper	ISO 22241-2 Annex I	mg/kg	<0.01	0.2 max
Zinc	ISO 22241-2 Annex I	mg/kg	0.04	0.2 max
Chromium	ISO 22241-2 Annex I	mg/kg	<0.01	0.2 max
Nickel	ISO 22241-2 Annex I	mg/kg	<0.01	0.2 max
Aluminium	ISO 22241-2 Annex I	mg/kg	0.10	0.5 max
Magnesium	ISO 22241-2 Annex I	mg/kg	0.01	0.5 max
Sodium	ISO 22241-2 Annex I	mg/kg	0.10	0.5 max
Potassium	ISO 22241-2 Annex I	mg/kg	0.01	0.5 max
pH value, 20°C	Electrode	units	9.45	9.0-9.5 Desirable value
Surface tension, 20°C	F.T.	mN/m	76.4	min 65
Identity	ISO 22241-2 Annex J	-	Identical to reference	Identical to reference

## Health and safety

Please refer to the product's Safety Data Sheet.

30 January 2025

This data sheet provides basic information on the product as at the date of drafting. For further information regarding applications, please contact EKO ABEE Technical Support, tel. +30 210 5509 511.

Advice on safe handling is provided in the Safety Data Sheet.