



PRODUCT DATA SHEET



EKO AdBlue® NOx reduction fluid

DESCRIPTION

EKO AdBlue® is a high-purity urea solution made with deionized water. EKO AdBlue® meets the requirements of the ISO 22241 and DIN 70070 standards.

SPECIFICATIONS

ISO 22241 / DIN 70070.

APPLICATIONS

EKO AdBlue® is used to lower the emissions of nitrogen oxides (NOx) from diesel vehicles fitted with Selective Catalytic Reduction (SCR) converters.

EKO AdBlue® 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.

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.



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TYPICAL CHARACTERISTICS

| Properties | Methods | Units | EKO 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 at 20°C | ISO 3675 | kg/m ³ | 1089.0 | 1087.0-1093.0 |
| Refractive Index at 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 |

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 and +30 210 7725 418. Advice on safe handling is provided in the Safety Data Sheet.



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TYPICAL CHARACTERISTICS

| Properties | Methods | Units | EKO AdBlue® | Limits |
|-------------------------|---------------------|-------|------------------------|-------------------------|
| 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 at 20°C | Electrode | units | 9.45 | 9.0-9.5 Desirable value |
| Surface tension at 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.

Issue 3, 3 January 2018

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