

# AdBlue®

For NOx reduction of exhaust gases from vehicles with diesel engines

Art.-No. 32361

## Description

AdBlue® is a high-purity 32.5% aqueous urea solution that is injected directly into the exhaust system where it acts as a reducing agent. Ammonia is released and then converts the nitrogen oxides on the catalytic converter into atmospheric nitrogen and water vapor. Both are natural components of the air we breathe. The proportion of nitrogen oxides in exhaust gases is reduced by over 85% in this way.

## Application

AdBlue® is used as a NOx reducing agent for SCR (Selective Catalytic Reduction) exhaust gas aftertreatment of commercial vehicles and passenger cars, Euro 4 to Euro 6.

## Features and advantages

- Reduction of the emission of toxic nitrogen oxides, exhaust gas reduction over 85%.
- no hazardous material in the sense of the chemical law
- no influence on maintenance and oil change intervals

## Note / Storage

The storage period is limited and should be at least 12 months under normal storage conditions (<25°C). Containers with AdBlue® must not be exposed to direct sunlight; and must not be stored above 30°C for extended periods. AdBlue® freezes at temperatures <-11°C, but can be thawed again.

## Specifications

DIN 70070 / ISO 22241/ AUS 32

## Technical data

Features	Unit	Test method/ standard	Values (Min./Max.)
Color, state of aggregation			colorless liquid
Odor			light ammonia odor
Urea content	%	ISO 22241-2	31.8 - 33.2
Density at 20°C	g/cm <sup>3</sup>	DIN EN ISO 1512-1	1.0870 - 1.0939
Flash point	°C		not applicable
Pour point	°C		-11
Boiling point	°C		103
Viscosity dynamic (25°C)	mPas		1.4
Alkalinity as NH <sub>3</sub>	%	ISO 22241-2 Annex D	0.2
Biuret	%	ISO 22241-2 Annex E	0.3
Aldehyde	mg/kg	ISO 22241-2 Annex F	5
Insoluble	mg/kg	ISO 22241-2 Annex G	20
Phosphate (PO <sub>4</sub> )	mg/kg	ISO 22241-2 Annex H	0.5
Ca, Fe, Mg, Al, Na, K	mg/kg		max. 0.5
Cu, Zn, Cr, Ni	mg/kg		max. 0.2

The information in this technical data sheet is based on general knowledge and application possibilities. STRUB + Co. AG is not liable for damage resulting from improper use of the products. The industry-standard measurement and production tolerances apply to the specified characteristic. Generally, no legal binding can be derived from these data. Our products are subject to continuous further development. Therefore, STRUB + Co. AG reserves the right to change all technical data in this data sheet at any time and without prior notice.

**Transport**

ADR/SDR

No dangerous goods

**Disposal**

LVA VeVA / EAK

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