

AdBlue® is a very high purity urea solution with a concentration of 32.5%.

Complies with the ISO 22241 standard

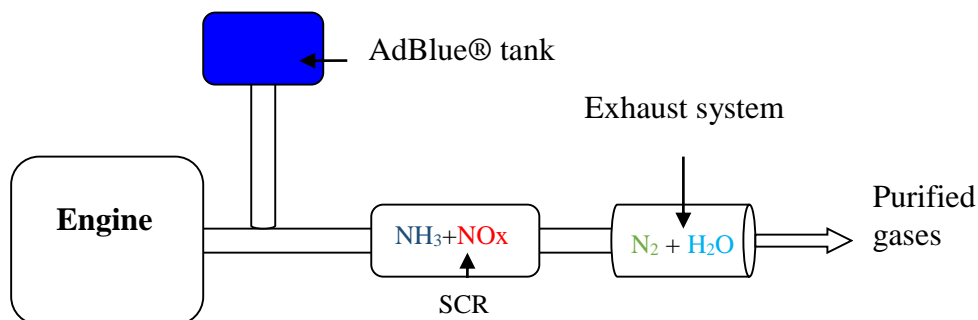
## ADVANTAGES and USES

Since 2006 for heavy duty vehicles with EURO 4 and EURO 5 emission standards and from 2014 for light duty vehicles and non-road machinery with EURO 6 and STAGE IV, the regulations aimed at reducing pollutant emissions have become considerably more widespread.

A large number of manufacturers have chosen SCR (Selective Catalytic Reduction) technology to treat the NOx (nitrogen oxides) present in the exhaust gases and resulting from the combination of nitrogen and oxygen at high temperatures.

**IGOL AdBlue®** is designed for vehicles equipped with this SCR technology and transforms most of the harmful molecules (**NOx**) into harmless water vapour (**H<sub>2</sub>O**) and nitrogen (**N<sub>2</sub>**) inside the catalytic converter, thanks to its breakdown into ammonia (**NH<sub>3</sub>**).

It is injected in post-combustion before the catalytic converter according to the following scheme:



$NH_3 + NOx$  are transformed and escape into  $N_2 + H_2O$

**Nitrogen oxides NOx** - **Ammonia NH<sub>3</sub>** - **Nitrogen N<sub>2</sub>** - **Water H<sub>2</sub>O**

If the vehicle is operated without AdBlue®, the catalytic converter will be irreparably damaged, as the nitrogen oxide clogs the pores of the catalytic converter, causing a loss of engine power and out-of-specification emissions of nitrogenous pollutants.

This product is neither a fuel nor an additive and must not be mixed with diesel. It goes into a specific tank. It corresponds to 4 to 5% of the diesel consumption.

Technical data sheet



**AdBlue®** is not classified as dangerous according to transport and health legislation\*. However, contact with the skin and eyes should be avoided. In the event of accidental contact, it can be removed by rinsing thoroughly with water.

The product should be used within one year of delivery for optimal use. It must be stored in a frost-free environment. However, in the event of frost it will not be damaged, it must be allowed to thaw naturally.

*\*Consult the safety data sheet if necessary.*

**PHYSICO-CHEMICAL PROPERTIES**

Characteristics	Methods	Units	Values
Urea levels	ISO 22241	% by weight	31.8 to 33.2
Appearance	Visuel	-	Colourless liquid
Odour	-		Light, ammoniacal
Density at 20°C	NF ISO 12184	g/cm3	1.087 à 1.093
Refractive index at 20°C	ISO 22241		1.381 à 1.384

*AdBlue® is a registered trademark of the German Association of the Automotive Industry (VDA)*

*Characteristics are given for information only and correspond with our manufacturing standards. IGOL reserves the right to modify them to provide its customers with the benefits of technical progress. Before using this product read the instructions for use and the environmental impacts mentioned in the technical and safety data sheets. The information given above is based on the current level of knowledge relative to the product concerned. The product user should take all useful precautions relative to its use. IGOL can in no circumstances be held responsible for damage resulting from incorrect use.*

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