



Product Information:

ADBLUE® AQUEOUS UREA SOLUTION

Description:

Adblue® (the registered trade mark for AUS32) is a 32.5% aqueous urea solution developed for use in selective catalytic reduction (SCR) systems fitted to diesel engines. The purpose of this system is to reduce nitrogen oxide emissions present in the exhaust gas stream. The product consists of a 32.5% solution of urea in de-mineralised water and is clear, non-toxic and safe to handle.

Handling and Storage Guidelines

There should be adequate ventilation whilst handling the product and contact with skin and eyes should be avoided by the use of personal protective equipment. Follow safe rules of handling and observe good basic hygiene habits. Avoid contamination of the product.

Adblue® can be stored for 1 year, ideally away from direct sunlight and temperature extremes. It's freezing point is -11°C, and upon thawing, returns to initial quality. Storage temperatures should not exceed 25°C. It should be stored in a sealed package in a well-ventilated storage area.

Suitable material for storage :

Alloy steels, various plastics, as well as metal tanks with plastic coating.

Unsuitable material for storage :

Plain steels, copper, aluminium, alloys containing copper and galvanized steels.

A fully compliant safety data sheet is available upon request.

Property	Specifications
Urea Content, % (m/m)	31.8 – 33.2
Density@20°C, g/cm ³	1.0870 – 1.0930
Refractive Index@20°C	1.3814 – 1.3843
Alkalinity (NH ₃), %	≤ 0.2
Biuret, %	≤ 0.3
Aldehydes, mg/kg	≤ 5
Insoluble Matter, mg/kg	≤ 20
Phosphate (en PO ₄), mg/kg	≤ 0.5
Calcium, mg/kg	≤ 0.5
Iron, mg/kg	≤ 0.5
Copper, mg/kg	≤ 0.2
Zinc, mg/kg	≤ 0.2
Chromium, mg/kg	≤ 0.2
Nickel, mg/kg	≤ 0.2
Magnesium, mg/kg	≤ 0.5
Sodium, mg/kg	≤ 0.5
Potassium, mg/kg	≤ 0.5
Aluminium, mg/kg	≤ 0.5

The above are typical figures and we reserve the right to alter the specification without notice. Nothing on this specification constitutes a guarantee.

(TDS Adblue® - 030225 Issue 3)

