



FLOW BLUE

AUS32

A-BLUE

AUS32 (32.5% urea solution), used to reduce the emissions of nitrogen oxides (NOx) caused by diesel engine exhausts, through a process called Selective Catalytic Reduction (RCA). As the name AUS32 (Aqueous Urea Solution) suggests, the product is a high purity urea solution in demineralized water. Clear, non-toxic and safe to handle. Instead, it may be corrosive to some metals, and materials suitable for transportation and storage must be used. AdBlue is a registered trademark of the German Automobile Industry Association, 1 which guarantees compliance with the quality standards according to the specifications set out in ISO 22241. The FlowBlue is used by vehicles equipped with RCA technology, in which the product is stored in an exclusive warehouse. Consumption of AdBlue is equivalent to 3-5% of fuel consumption. This low dosage allows to space the refills and to minimize the impact that produces in the chassis an additional deposit. RCA systems are currently in use in Europe, Japan, Australia, Hong Kong, Taiwan, Korea, New Zealand and Singapore. US Environmental Protection Agency (EPA) legislation in 2010 will limit Nox emissions to levels that will make SCR technology necessary for trucks in North America. The generic name given to the AUS32 product in North America is DEF (diesel exhaust fluid). Some suppliers of equipment for the transport industry have developed own brands of SCR systems, like the BlueTec of Daimler. All European truck manufacturers are releasing models equipped with RCA, and the future Euro VI emission regulations will lead to increased demand for this technology in Europe. RCA systems are very sensitive to possible chemical impurities in the urea solution, so it is essential to comply with the high quality requirements of the FlowBlue included in ISO 22241.

Appearance

Color

Odor

pH

Density

Chemical description

Transparent

Colourless

Mild

9,6 - 10,4 (10 %)

911,5 - 1311,5 kg/m³

Additive/s

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BALBOA CHEMICAL, S.L.