

## Puma ADBLUE

Puma Adblue is made from automotive grade urea and de-ionized water. It is used to breakdown the NOx from the exhaust of Selective Catalytic Converter fitted engines. It converts the NOx within the SCR to nitrogen and water, thus reducing the NOx in the exhaust.

- ✓ Highway Trucks
- ✓ Off highway equipment
- ✓ Agriculture equipment

### Recommendations

Puma Adblue is suitable for all vehicles fitted with SCR including:

- Highway trucks
- Off highway equipment
- Agricultural equipment
- Passenger cars

Puma AdBlue must not be diluted or in any way contaminated with any other products. This could lead to the vehicle going into “limp home” mode and damage to the AdBlue injection system.

### Typical Physical Characteristics

The high quality urea solution also known as AUS 32 is defined by the standard ISO 22241 specification, “Diesel engines – NOx reducing agent AUS 32” Part 1, quality requirements, Part 2, test methods, and Part 3, handling, transportation and storage”.

#### Specifications AUS 32, according to ISO 22241-1

	Urea	31.8-33.2	% by weight
Alkalinity as NH3	max	0.2	% by weight
Biuret	max	0.3	% by weight
Insolubles	max	20	mg/kg
Aldehyde	max	5	mg/kg
Phosphate (PO4)	max	0.5	mg/kg
Aluminium	max	0.5	mg/kg
Calcium	max	0.5	mg/kg
Iron	max	0.5	mg/kg
Copper	max	0.2	mg/kg
Zinc	max	0.2	mg/kg
Chromium	max	0.2	mg/kg
Nickel	max	0.2	mg/kg
Magnesium	max	0.5	mg/kg
Sodium	max	0.5	mg/kg
Potassium	max	0.5	mg/kg
Density at 20°C	max	1087-1093	Kg/m <sup>3</sup>

*These characteristics are typical of current product methods whilst future production will conform to Puma Lubricants specifications, variations in these physical characteristics may occur.*

#### Health & Safety Environment

- This product is unlikely to present any significant health and safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.
- Avoid contact with eyes and skin, use proper impervious gloves with used oil. After skin contact, wash immediately with soap and water. Guidance on health and safety is available on the appropriate Safety Data Sheet (SDS) which can be obtained from [pumaenergy.png.datasheetdownloads.com](http://pumaenergy.png.datasheetdownloads.com), [sds.pumaenergy.com.au](http://sds.pumaenergy.com.au)