

Product Data Sheet

AdBlue®

Aqueous Solution for Reduced NOx Emissions

Royal's AdBlue® formula acts as an ultra-pure reduction agent for nitrogen (NOx) emissions. Suitable for use in all Select Catalyst Reduction (SCR) technology systems.

Simply add it to a specially designed storage tank on SCR-equipped vehicles at a rate equivalent to 3-5% of diesel consumption. Many modern Truck, Car, Bus and SUV manufacturers currently offer SCR equipped models requiring AdBlue®. Euro VI emission standard will reinforce the demand for this technology. Because Royal's AdBlue® is 100% pure and straight from the manufacturing source, there is negligible potential for chemical impurities in the urea solution. Its strict compliance with VDA, BGI and ISO 22241 standards give users complete confidence in our AdBlue® solution.

NOTE: DO NOT add to fuel or fuel tank. Pour directly into Diesel Exhaust Fluid Reservoir only.

Summary of Benefits:

- ◆ Reduced NOx emissions
- ◆ Formulated with Pure Demineralised Water
- ◆ Pure Urea solution specifically designed to reduce NOx emissions.
- ◆ Easy to use (10L with built in spout)
- ◆ Fully compliant with ISO 22241 standards
- ◆ Royal AdBlue® is produced using high-purity Urea and deionized water, guaranteeing the removal of impurities that can harm your SCR system.



Product Code: 8236

Product Size: 10L, 20L, 200L, 1000L

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Typical Specifications:

Parameter	Unit	Test Method	Results	Specifications of ISO22241-2:2019			
				Limits		Acceptance Range ¹	
				Min	Max	Min	Max
Urea	% w/w	ISO 22241-2 Annex C	32.6	31.8	33.2	30.8	34.2
Density @ 20°C	g/cm³	ISO 3675	1.0908	1.087	1.0930	1.0864	1.0935
RI @ 20°C	-	ISO 22241-2 Annex C	1.3834	1.3814	1.3843	1.3804	1.3853
Alkalinity as NH ₃	% w/w	ISO 22241-2 Annex D	< 0.2	-	0.2	-	0.24
Biuret	% w/w	ISO 22241-2 Annex E	0.29	-	0.3	-	0.34
Aldehyde	mg/kg	ISO 22241-2 Annex F	0.93	-	5	-	7.4
Insolubles	mg/kg	ISO 22241-2 Annex G	< 20	-	20	-	27.6
Phosphate (PO ₄)	mg/kg	ISO 22241-2 Annex H	< 0.5	-	0.5	-	0.53
Calcium	mg/kg	ISO 22241-2 Annex I	< 0.5	-	0.5	-	0.55
Iron	mg/kg	ISO 22241-2 Annex I	< 0.5	-	0.5	-	0.65
Copper	mg/kg	ISO 22241-2 Annex I	< 0.2	-	0.2	-	0.24
Zinc	mg/kg	ISO 22241-2 Annex I	< 0.2	-	0.2	-	0.26
Chromium	mg/kg	ISO 22241-2 Annex I	< 0.2	-	0.2	-	0.26
Nickel	mg/kg	ISO 22241-2 Annex I	< 0.2	-	0.2	-	0.26
Aluminium	mg/kg	ISO 22241-2 Annex I	< 0.5	-	0.5	-	0.65
Magnesium	mg/kg	ISO 22241-2 Annex I	< 0.5	-	0.5	-	0.65
Sodium	mg/kg	ISO 22241-2 Annex I	0.1	-	0.5	-	0.75
Potassium	mg/kg	ISO 22241-2 Annex I	< 0.5	-	0.5	-	0.75
Identity	-	ISO 22241-2 Annex J	Identical to Ref	Identical to Ref		Identical to Ref	

¹Acceptance Range – limit adjusted for reproducibility as per Annex B

Storage:

All packages should be stored under cover to avoid sunlight or excessive heat. This product should be stored above 5°C and 30°C.

Health, Safety and Environment:

A Safety Data Sheet (SDS) is available for each product. Users should consult the SDS, and follow the precautions outlined and comply with all laws and regulations concerning its use and disposal. Used packaging material should not be incinerated or exposed to flame. After use, protect your environment. Do not pollute drains, soil or water with used product.

The Safety Data Sheet is available at Royal Precision Lubricants website www.royallubricants.com.au or by email: info@royallubricants.com.au

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