

AdBlue®

DESCRIPTION:

AdBlue® also known as AUS 32 (Aqueous Urea Solution), or DEF (Diesel Exhaust Fluid), is specifically designed for diesel vehicles equipped with Selective Catalytic Reduction (SCR) systems. These systems help vehicles comply with Bharat Stage IV, and VI Emission Standards by reducing nitrogen oxide (NOx) emissions from diesel exhaust. The fluid works by breaking down harmful NOx gases into harmless nitrogen and water vapour, thus minimizing environmental impact and improving air quality.

APPLICATION:

AdBlue® is a Diesel Exhaust Fluid (DEF) used in vehicles and equipment equipped with Selective Catalytic Reduction (SCR) systems. These systems are fitted in heavy-duty vehicles and diesel-powered passenger cars that meet BS IV and BS VI emission standards, applicable to both on-road and off-road vehicles. Additionally, AdBlue® is suitable for use in generators that need to comply with strict emission standards.

SPECIFICATIONS:

AdBlue® meets the following specifications:

- ISO 22241
- IS 17042 (Part 1): 2020

ADVANTAGES:

Using **AdBlue®** in vehicles equipped with Selective Catalytic Reduction (SCR) systems offers several benefits:

- **Prevents Clogging of Catalytic Converter:** Helps maintain a clean catalytic converter, ensuring higher efficiency of the SCR system.
- **Significant NOx Reduction:** Reduces nitrogen oxide (NOx) emissions in the exhaust gas and contributing to cleaner air.
- **Longer SCR System Life:** Enhances the longevity of the SCR system and reduces maintenance costs.
- **Harmless and Easy to Handle:** DEF is a non-toxic, easy-to-handle solution that poses no significant risk to users or the environment.
- Increase fuel efficiency

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TECHNICAL SPECIFICATIONS

SR NO.	TEST PARAMETERS	ISO METHOD	UNIT	SPEC. MIN.	SPEC. MAX.	TYPICAL VALUES
1	UREA CONTENT	ISO 22241-2 Annex C	%	31.8	33.2	32.50
2	DENSITY@20°C	ISO 12185	kg/m3	1087	1093	1090
3	REFRACTIVE INDEX @ 20°C	ISO 22241-2 Annex C	-	1.3814	1.3843	1.3834
4	ALKALINITY as NH ₃	ISO 22241-2 Annex D	%	-	0.2	0.00
5	BIURET	ISO 22241-2 Annex E	%	-	0.3	0.26
6	ALDEHYDE	ISO 22241-2 Annex F	mg/kg	-	5	0.05
7	INSOLUBLE MATTER	ISO 22241-2 Annex G	mg/kg	-	20	4.36
8	PHOSPHATE (PO ₄)	ISO 22241-2 Annex H	mg/kg	-	0.5	<0.10
9	CALCIUM	ISO 22241-2 Annex I	mg/kg	-	0.5	0.17
10	IRON		mg/kg	-	0.5	<0.10
11	COPPER		mg/kg	-	0.2	<0.10
12	ZINC		mg/kg	-	0.2	<0.10
13	CHROMIUM		mg/kg	-	0.2	<0.10
14	NICKEL		mg/kg	-	0.2	<0.10
15	ALUMIUM		mg/kg	-	0.5	<0.10
16	MAGNESIUM		mg/kg	-	0.5	<0.10
17	SODIUM		mg/kg	-	0.5	<0.10
18	POTASSIUM		mg/kg	-	0.5	<0.10

The above details are typical results under normal production conditions and could vary depending upon external factors.

The information provided herein is subject to change without notification depending upon change in specifications of the products.

We make no warranties other than the specifications of the product, express or implied, and hereby disclaim all express or implied warranties, including warranty of any recommendations, merchantability and fitness of the product for a particular purpose.

We shall not be liable for any direct, indirect, incidental, punitive or consequential damages unless otherwise agreed by us in writing.

Storage:

Store the products indoors and avoid direct sunlight or heat. Please keep the container in closed condition always.

Environment, Health and Safety

- This product is unlikely to present any safety & health hazard when properly used in the recommended application.
- Avoid contact with skin and eyes.

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