

Technical Data Sheet

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MADIN ADBLUE - AUS32

Madin AdBlue is more than just a standard exhaust treatment fluid; it serves as a "guardian" for modern Diesel engines (passenger cars, specialized vehicles, buses, containers, trucks, etc.). Our product is specifically designed to assist your Selective Catalytic Reduction (SCR) system in achieving Euro 4, 5, and 6 emission standards, contributing to a sustainable and green environment.

International Quality Standards: Certified according to ISO 22241. Strict adherence to these testing standards ensures the SCR system operates with high precision, protecting expensive components from contamination and severe damage.

The synergy between the AdBlue injection system and SCR technology significantly reduces toxic emissions, ensuring your vehicle always complies with the strictest regulations.

Product Characteristics:

Madin AdBlue is a colorless, non-toxic liquid that is non-irritating to the skin

Component	Chemical Formula	Molecular Weight	Content %
Pure Urea	(NH ₂) ₂ CO	60.06	32.5
EDI Water	H ₂ O	18	67.5

Usage & Storage Guidelines

Application: Pour directly into the dedicated AdBlue tank on the vehicle.

Storage Temperature: Maintain between -11°C and 30°C.

Shelf Life: Approximately 12 months when stored under standard conditions

Above 30°C, the solution begins to decompose. While it freezes below -11°C, the product retains its original properties after thawing. To ensure maximum effectiveness, it is recommended not to dilute the solution with water or any other cleaning agents.

Critical Precautions:

- Avoid direct sunlight and high-temperature environments.
- Store in a tightly sealed container.
- **Do not dilute with water** or mix with any cleaning agents to prevent sensor damage

Chemical Compositons Pure Urea, EDI Water and other additive...

Packaging Bottle 5L, 10L, 20L; Drum 200L; IBC Tank 1000L...

Identification Clear, colorless, and homogeneous liquid.

Technical Specifications

Characteristic	Method	Limit	Unit
Ure content	ISO-22241-2	31.8-33.2	%
Alkalinity as NH ₃	ISO-22241-2	0.2 max	%
Biuret content	ISO-22241-2	0.3 max	%
Aldehyde as Formaldehyde	ISO-22241-2	5.0 max	mg/kg
Insoluble matter	ISO-22241-2	20 max	mg/kg
Phosphate	ISO-22241-2	0.5 max	mg/kg
Calcium (as Ca)	ISO-22241-2	0.5 max	mg/kg
Zinc (as Zn	ISO-22241-2	0.2 max	mg/kg
Chromium (as Cr)	ISO-22241-2	0.2 max	mg/kg
Nikel (as Ni	ISO-22241-2	0.2 max	mg/kg
Aluminium (as Al)	ISO-22241-2	0.5 max	mg/kg
Magnesium (as Mg)	ISO-22241-2	0.5 max	mg/kg
Sodium (as Na)	ISO-22241-2	0.5 max	mg/kg
Potassium (as K)	ISO-22241-2	0.5 max	mg/kg
Iron (as Fe)	ISO-22241-2	0.5 max	mg/kg
Density at 20 °C	ISO 12185	1087-1093	kg/m ³
Refractive index at 20 °C	ISO-22241-2	1.3814-1.3843	-

Quality Control The data above represents average values at the time of publication of these specifications. They should not be considered as standardized data. Product data is released specifically for each individual batch.

Storage **Storage:** Store in a cool, dry place. Avoid high-temperature environments and protect from direct sunlight.

Container Handling: Keep containers tightly sealed during storage.

Transportation: Transport the product in an upright position. Ensure the transport vehicle is equipped with a protective roof or cover

Safety

When using this product, refer to the information provided in the **Safety Data Sheets (SDS)** attached to each specific batch. Additionally, standard precautionary measures for chemical handling should be strictly observed.

Note

The data provided in this publication is based on our current knowledge and experience. Since many factors may affect the production process and product application, these data do not exempt users from conducting their own investigations and tests, nor do they imply any guarantee of quality or suitability for a specific purpose. Any descriptions, drawings, photographs, data, ratios, weights, etc., are subject to change without prior notice and do not affect any existing product quality agreements. It is the responsibility of all users to ensure proprietary rights and comply with all applicable laws and regulations.