LIMAXBLUE AUS 32 UREA SOLUTION

TECHNICAL DATA SHEET

PRODUCT	DOCUMENT	VERSION	REVISION DATE
LIMAXBLUE AUS 32	TDS	2.0	12.08.2026

1. PRODUCT DESCRIPTION

LIMAXBLUE AUS 32 is a high-purity aqueous urea solution containing nominally 32.5 % urea by mass. It is intended as a NOx reduction agent for Selective Catalytic Reduction (SCR) systems in diesel-powered vehicles and equipment. The product is not a fuel or fuel additive.

Chemical description	Aqueous urea solution (AUS 32)
Nominal composition	32.5 % high-purity urea and 67.5 % demineralised water by mass
Primary application	SCR exhaust after-treatment systems
SKU / product code	Packaging-dependent format: LMX-AUS32-[PACK SIZE]. Confirmed example: LMX-AUS32-10L.
Specification basis	Aligned with ISO 22241-1:2019 and ISO 22241-1:2019/Amd 1:2019

2. PRODUCT BENEFITS

- Supports efficient NOx conversion in compatible SCR systems.
- Controlled purity helps protect SCR catalysts, dosing equipment and injectors from contamination.
- Ready to use: do not dilute and do not add performance additives.
- Non-flammable, water-based solution under normal handling conditions.

3. TECHNICAL SPECIFICATION

The following values are product specification limits, not batch-specific test results. Batch conformity should be verified against the relevant Certificate of Analysis (CoA). Test methods are defined in ISO 22241-2:2019.

Property	Unit	Specification
Urea content	% (m/m)	31.8 - 33.2
Density at 20 °C	kg/m3	1087.0 - 1093.0
Refractive index at 20 °C	-	1.3814 - 1.3843
Alkalinity as NH3	% (m/m)	max. 0.2
Biuret	% (m/m)	max. 0.3
Aldehydes	mg/kg	max. 5
Insoluble matter	mg/kg	max. 20
Phosphate (PO4)	mg/kg	max. 0.5
Calcium	mg/kg	max. 0.5
Iron	mg/kg	max. 0.5
Copper	mg/kg	max. 0.2
Zinc	mg/kg	max. 0.2
Chromium	mg/kg	max. 0.2
Nickel	mg/kg	max. 0.2
Aluminium	mg/kg	max. 0.5
Magnesium	mg/kg	max. 0.5
Sodium	mg/kg	max. 0.5
Potassium	mg/kg	max. 0.5
Identity	Visual	Colourless and clear

4. ADDITIONAL PHYSICAL PROPERTIES

Physical state	Clear liquid
Colour / odour	Colourless / odourless to slight ammonia odour
pH	9.0 - 9.5
Freezing point	Approximately -11 °C
Boiling range	Approximately 106 - 110 °C; decomposition may occur on strong heating
Water solubility	Completely miscible

5. APPLICATION AND USE

- Fill only into the dedicated AUS 32 / AdBlue tank of a compatible SCR-equipped vehicle or machine.
- Do not add to diesel fuel. Do not dilute with water. Do not mix with other chemicals or additives.
- Use clean, dedicated dispensing equipment. Avoid contact with dust, fuel, oil, grease and tap water.
- Follow the vehicle, equipment and dispensing-system manufacturer's instructions.

6. HANDLING, STORAGE AND MATERIAL COMPATIBILITY

Preserve product quality throughout storage and distribution in accordance with ISO 22241-3:2017.

Recommended storage	Keep sealed in a cool, clean and well-ventilated area, protected from direct sunlight and excessive heat. The source SDS recommends 10 - 30 °C.
Freezing	The product freezes at approximately -11 °C. Frozen product may be thawed gently and reused if contamination and local overheating are avoided.
Suitable contact materials	Austenitic stainless steel and compatible plastics such as HDPE, PP and suitable fluoropolymers, subject to equipment-supplier confirmation.
Materials to avoid	Copper and copper alloys, zinc/galvanised materials, carbon steel and other materials that may corrode or contaminate AUS 32.

7. PACKAGING, SHELF LIFE AND QUALITY CONTROL

Packaging	Clean, sealed and AUS 32-compatible packages or bulk systems. Commercial formats and the corresponding SKU must be confirmed for each order.
SKU convention	LMX-AUS32-[PACK SIZE], where the final segment identifies the pack volume. Example: 10 L = LMX-AUS32-10L.
Shelf life	No universal period is declared in this TDS. Storage life depends on temperature, packaging integrity and contamination control; apply the labelled shelf life for the supplied batch.
Quality documentation	Request the batch-specific Certificate of Analysis where analytical release data are required.

8. SAFETY AND ENVIRONMENTAL INFORMATION

This TDS is not a substitute for the Safety Data Sheet. Consult the current LIMAXBLUE AUS 32 SDS before handling, storage, transport or disposal. Spilled liquid may make floors slippery. Avoid uncontrolled release to drains, soil and surface waters.

9. SUPPLIER INFORMATION

Supplier	LIMA DIS TICARET VE TEKNOLOJI A.S.
Address	Mecidiyekoy Yolu Cad. Karsuyu Sk. No:2, Trump Towers Tower 1 Residence, Floor 4, Apt. 401, Sisli / Istanbul, Turkiye
Telephone	+90 850 255 0 562 | +90 212 706 0 562
Email / web	info@limagroup.com.tr | www.limagroup.com.tr

10. REFERENCES AND REVISION CONTROL

Reference	Purpose
ISO 22241-1:2019 + Amd 1:2019	AUS 32 quality requirements
ISO 22241-2:2019	AUS 32 test methods
ISO 22241-3:2017	Handling, transportation and storage
LIMAXBLUE AUS 32 SDS, Version 2.0	Safety, handling and regulatory information

Version	Date	Revision summary
1.0	21.08.2020	Legacy product information issued within the original SDS set.
2.0	12.08.2026	Standalone TDS created; current supplier details, packaging-dependent SKU convention, ISO 22241 quality limits, application, material compatibility, storage guidance and document control added.

11. NOTICE

The data in this document describe the product specification and intended application; they do not constitute a batch certificate, warranty of fitness for a particular purpose or vehicle-manufacturer approval. Users must confirm compatibility with their equipment and applicable requirements. Product specifications may be updated as standards or technical requirements change.