

Guangzhou Baolichi Automobile Technology Co., Ltd.
Room 101, No. 21-2, Yongxing East Road, Longgui Street,
Baiyun District, Guangzhou, Guangdong, P.R.C
bolitch.com | sale@bolitch.com | Tel / WhatsApp +86 132 4753 6835

BOLITCH Diesel Exhaust Fluid | DEF / AdBlue / AUS 32

Models: BLC-UR-001-2D (10 kg x 2 jerricans per carton)
Document TDS-UR-01 | Version 1.0 | Issued 24 September 2026

1. Product description

Diesel engine NOx reduction agent - urea aqueous solution (AUS 32). High-purity DEF for China V / China VI (Euro V / VI equivalent) SCR systems.

2. Typical properties

Product Name	Diesel engine NOx reduction agent - urea aqueous solution (AUS 32)
Urea Content, % by mass	31.8-33.2 (target 32.5)
Density @20 °C, kg/m³ (SH/T 0604)	1087.0-1093.0 (target 1090.0)
Refractive Index (20 nD, GB/T 614)	1.3814-1.3843 (target 1.3829)
Alkalinity as NH₃, %	≤0.2
Biuret, %	≤0.3
Aldehydes as HCHO, mg/kg	≤5
Insolubles, mg/kg	≤20
Phosphate as PO₄, mg/kg	≤0.5
Metal Ions, mg/kg	Ca / Fe / Al / Mg / Na / K ≤0.5; Cu / Zn / Cr / Ni ≤0.2
Appearance	Colourless, clear liquid, free from suspended matter and mechanical impurities
Crystallisation Point, °C	-11 (characteristic value of AUS 32)

Values are typical for the formulation and are not guaranteed specification limits. Bracketed references indicate the test method the value is expressed by. A Safety Data Sheet (SDS / MSDS) is supplied per formulation.

3. Packaging, weight and logistics

Packing	N.W / unit	N.W / carton	G.W / carton	Models
10 kg jerrican x 2 / carton	10 kg	20 kg	21 kg	BLC-UR-001-2D
HS code	3102.10			
Shelf life / storage	12-24 months (store at 5-25 °C, protected from light, depending on pack and storage conditions)			

4. Recommended applications

Intended for China V / China VI (Euro V / VI equivalent) diesel engines equipped with SCR (Selective Catalytic Reduction) systems - heavy-duty trucks, buses, construction and agricultural machinery, marine engines and generator sets.

It converts nitrogen oxides (NOx) in the exhaust into nitrogen and water, cutting tailpipe emissions and preventing the torque-limiting that follows an out-of-compliance reading.

Store at 5-25 °C, protected from light. Freezing and thawing does not affect quality, but the product must be fully thawed and homogenised before use.

5. Use, handling and safety

Fill only the dedicated DEF / AdBlue tank - never the diesel tank. Keep away from sunlight and high temperatures. Do not mix with diesel, water or any other liquid.

Handling, personal protection, first aid and transport classification are given in the Safety Data Sheet (SDS / MSDS) supplied per formulation.

6. Documents supplied

Safety Data Sheet (SDS / MSDS) - supplied per formulation, available on request. | This Technical Data Sheet. | Other export documents supplied per shipment as required for customs clearance.

7. Standards and test methods referenced

Standards referenced in formulation and testing:

- GB 29518-2013 - Diesel engine NOx reduction agent, urea aqueous solution (AUS 32)

Guangzhou Baolichi Automobile Technology Co., Ltd.
Room 101, No. 21-2, Yongxing East Road, Longgui Street,
Baiyun District, Guangzhou, Guangdong, P.R.C
bolitch.com | sale@bolitch.com | Tel / WhatsApp +86 132 4753 6835

- ISO 22241 - Diesel engines, NOx reduction agent AUS 32
- DIN 70070 - NOx reduction agent AUS 32
- VDA AdBlue / API DEF / CGT schemes are referenced as market benchmarks only - no licence or marking authorisation is held

Test methods referenced:

- SH/T 0604 - density
- GB/T 614 - refractive index

The standards and test methods below are quoted as the technical references used when formulating and testing this product. This list is not a certification, approval, licence or mark of conformity. No third-party certification, OEM approval or product licence is claimed or held. Where the market requires conformity assessment (for example PVoC, TBS or O'zDSt), the application is normally filed by the importer or an authorised local representative; we support it with samples, technical documentation and translations.

8. Performance highlights

- Blended from high-purity AUS 32 grade urea and ultra-pure water at a precise 32.5 % concentration
- Ultra-low metal ion and impurity levels - prevents clogging and poisoning of SCR injectors, lines and catalysts
- Tight control of biuret, aldehydes and insolubles - protects the on-board DEF pump
- Consistently reduces NOx emissions - avoids torque limiting, speed limiting and fault warnings
- Compatible with all SCR system materials - non-corrosive, no crystallisation blockages
- 10 kg x 2 jerricans per carton - easy to handle, stack and pour