

Product	SINOPEC Galance Aqueous Urea Solution AUS 32
Summary	Product description SINOPEC Galance Aqueous Urea Solution AUS 32 is a kind of Aqueous Urea Solution(AUS 32), which formulated with high-quality carbamide and high-purity deionized water. It is suitable for diesel engines using selective catalytic reduction (SCR) technology to meet EPA 2010, Euro IV and higher emission regulations, and effectively lower nitrogen oxides (NO _x) concentration in the diesel exhaust emissions. It meets the performance requirements of ISO 22241, DIN V 70070 and JIS K 2247 specifications, and obtains API Diesel Exhaust Fluid and Verband der Automobilindustrie certification, and good protects catalyst and SCR system of diesel vehicles.

Applications

SINOPEC Galance Aqueous Urea Solution AUS 32 suitable for use in:

- Suitable for diesel engines using SCR technology to meet EPA 2010, Euro IV and higher emission regulations.
- Suitable for all of diesel vehicles equipped with SCR systems.

Features and benefits

- Special aqueous urea solution formula, and effectively lower NO_x concentration in the diesel exhaust emissions from diesel engines.
- Meet ISO 22241, DIN V 70070 and JIS K 2247 specifications, and obtains API Diesel Exhaust Fluid and Verband der Automobilindustrie certification.
- High quality and lower impurity, and effectively extend catalyst life, and good protection of SCR and exhaust system.
- Begin to crystallize and freeze at -11°C, but use normally after melting.
- Non-hazardous, non-toxic and non-polluting, please rest assured to use and transport.

Product Data Sheet

Typical data

Characteristics	Unit	Limits		SINOPEC Galance typical values
		min.	max.	
Urea content	% (m/m)	31.8	33.2	32.5
Density at 20 °C	kg/m ³	1087.0	1093.0	1089.8
Refractive index at 20 °C	—	1.3814	1.3843	1.3830
Alkalinity as NH ₃	% (m/m)	—	0.2	0.1
Biuret	% (m/m)	—	0.3	0.24
Aldehydes	mg/kg	—	5	1.7
Insoluble matter	mg/kg	—	20	6.5
Phosphate (PO ₄)	mg/kg	—	0.5	0.14
Calcium	mg/kg	—	0.5	0.03
Iron	mg/kg	—	0.5	0.01
Copper	mg/kg	—	0.2	0.01
Zinc	mg/kg	—	0.2	0.01
Chromium	mg/kg	—	0.2	0.06
Nickel	mg/kg	—	0.2	0.04
Aluminium	mg/kg	—	0.5	0.01
Magnesium	mg/kg	—	0.5	0.01
Sodium	mg/kg	—	0.5	0.20
Potassium	mg/kg	—	0.5	0.03
Identity	—	identical to reference		Qualified

These data are given as an indication of typical values.

Industry and OEM specifications

SINOPEC Galance Aqueous Urea Solution AUS 32 meets the performance requirements of the following industry specifications:	
Execution standard	GB 29518-2013
Meet specifications	ISO 22241
	DIN V 70070
	JIS K 2247

Accuracy of information

Data provided in this PDS is typical and subject to change as a result of continuing product research and development. The information given was correct at the time of printing. The typical values given are subject to variations in the testing procedures and the manufacturing process may also result in slight variations. Sinopec guarantees that its Diesel Exhaust Fluid products meet any industry and OEM specifications referred to on this data sheet.

Sinopec cannot be held responsible for any deterioration in the product due to incorrect storage or handling. Information on best practice is available from your local distributor.

Product and environmental safety

Notice:

- No oralling and out of reach of children.

Product Data Sheet

- Stored at -5°C to 25°C in the closed container. Keep container in a cool, well-ventilated area, and keep away from heat and direct sunlight.
- Filled only in separate AUS 32 tank. Prevent dust, corrosive medium and other substances mixing.
- May be a little irritant ammonia emission when the cover of AUS 32 tank is opened, please avoid inhaling ammonia.

This product should not cause any health problems when used in the applications suggested and when the guidance provided in the Material Safety Data Sheet (MSDS) is followed. Please consult the MSDS for more detailed advice on handling; MSDSs are available from your local distributor. Do not use the product in applications other than those suggested.

As with all products, please take care to avoid environmental contamination when disposing of this product. Deterioration or disuse products should be sent for reclamation/recycling or, if not possible, must be disposed of according to relevant government/authority regulations.

The SINOPEC trademark is registered and protected.

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