

Urea - Marine Solutions

adblue QUALITY ISO standard 22241

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DESCRIPTION

Blutec UREA - MARINE SOLUTION is a high quality urea solution available 32,5% and 40% by weight.

It is used in a process called selective catalytic reduction (SCR) to reduce emissions of oxides of nitrogen from the exhaust of diesel engined motor vehicles.

SPECIFICATIONS

Appearance:	Clear and colourless
Odor:	No or slightly like ammonia
Crystallization point:	-11.5 °C
pH (20 °C):	8.5 – 10.5
Density (g/ cm ³ , 20 °C):	1.087 – 1.093
Refractive index (20 °C):	1.3814 – 1.3843
Urea, %:	31.8 – 33.2 (marine urea 32)
Urea, %:	39 – 41 (marine urea 40)
Alkalinity, %:	max 0.2
Biuret, %:	max 0.3
Insolubles (mg/kg):	max 20
Aldehyde (mg/kg):	max 5
Phosphate (mg/kg):	max 0.5
Aluminum (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
Magnesium (mg/kg):	max 0.5
Sodium (mg/kg):	max 0.5
Potassium (mg/kg):	max 0.5

APPLICATION

The urea solution is held in a separate onboard tank and is sprayed into the exhaust gases between the engine manifold and catalytic converter.

STORAGE / HANDLING / SAFETY

Store in a dry place away from direct sunlight. Store at temperatures between -5°C and 30°C. The shelf life as function of the average product temperature is given in the following table:

Average Product Temperature °C	Minimum Shelf Life Months
≤10	36
≤25	18
≤30	12

REMARKS

Blutec UREA - MARINE SOLUTION is very susceptible to contamination. Keep it in closed container, IBC or stainless steel tank.

PACKAGING

- Drums (20/25/30 lt)
- Barrel (220 lt)
- IBC (1000lt) or bulk