

Urea Marine Solution 40%

INFORMATION

Urea Marine Solution 40% is a high quality urea solution 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.

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:

REMARKS

Urea Marine Solution 40% is very susceptible to contamination. Keep it in closed container, IBC or stainless steel tank.

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

Note: Please, advise and follow the existing guideline from your scrubbers system on the operation.

Code: 161165513



Urea Marine Solution 40%

Appearance: Clear and colourless
Odor: No or slightly like ammonia
Crystallization incipient: 0 °C
pH (20 °C): < 10
Density (g/ cm³, 20 °C): 1.105 - 1.177
Refractive index (20 °C): 1.3947 - 1.3982
Urea, %: 39 – 41
Alkalinity, %: max 0.5
Biuret, %: max 0.8
Insolubles (mg/kg): max 50
Aldehyde (mg/kg): max 100
Phosphate (mg/kg): max 1
Calcium (mg/kg): max 1
Iron (mg/kg): max 1
Magnesium (mg/kg): max 1
Sodium (mg/kg): max 1
Potassium (mg/kg): max 1

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