



## Reducing agent (40 % aqueous urea solution)

### Chemical description of urea:

Chemical formula:  $(\text{NH}_2)_2\text{CO}$

Molar mass: 60,06 g/mol

### Physical properties:

Density: 1.105 – 1.116 kg/m<sup>3</sup>

Parameter	Min.	Max.	
Urea content	39.0	41.0	% by weight
Alkalinity (as NH <sub>3</sub> )		0.5	% by weight
Biuret		0.8	% by weight
Aldehydes		100	mg/kg
Insoluble matter		50	mg/kg
Total Phosphorus (as PO <sub>4</sub> )		1.0	mg/kg
Calcium		1.0	mg/kg
Sodium		1.0	mg/kg
Potassium		1.0	mg/kg
Iron		1.0	mg/kg
Magnesia		1.0	mg/kg

*Data from a CEFIC working paper for Maritime Grade Urea Solution as of October 2010*