

## NO<sub>x</sub>AMID 45

Urea solution for NO<sub>x</sub>-removal  
 according to the SNCR-method

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### PRODUCT CHARACTERISTICS

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This product is a solution of technical urea in demineralized water.

active ingredients (percentage urea by mass)	45 % by weight
total nitrogen	min. 20,7 % by weight
biuret	max. 0,4 % by weight
water-insoluble	max. 0,01 % by weight
chemical formula of urea	(NH <sub>2</sub> ) <sub>2</sub> CO
other usual designations	Harnstoff, Urea, Carbamid
CAS-No	[57-16-6]
EINECS-No	200-315-5
molecular weight	60,1 g
equivalent molecular weight	30,05 g
density at 20 °C	1,126 g/ml
pH-value (depending on storage time)	8 to 9
crystallisation point	10°C
appearance at 20°C	clear, colourless solution
odour	slightly like ammonia
Specification urea content	mind. 44 % by weight
Other additives	special additives for avoiding hardness precipitations when diluting with industrial water (max. hardness 20°d corresponds to approx. 360 ppm as CaCO <sub>3</sub> )

#### Transport and storage

This product is delivered in cubic tank containers (IBC) up to 1500 l and in road tanks up to approx. 22,000 litres. Recommended materials with which the product comes into contact: High-grade steel, resistant to chemical protective layers and plastics. Nonferrous heavy metal are not suitable, in particular copper, just as unalloyed steel or galvanized steel. The material aluminium should be avoided if possible, since aluminium is usually not resistant to alkali (aluminate formation).

Ordinance on Hazardous Substances	no dangerous material according to the GGVSE, ADR etc.
water hazard class	WGK 1 (low hazardous to water)