

NOxAMID® 45

Date/Revised: 01.08.2024

Alfredstraße 279, 45133 Essen, Germany
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NOxAMID® 45

Urea Solution for NOx-Removal
According to the SNCR-Method

PRODUCT CHARACTERISTICS

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

Active ingredients (percentage urea by mass):	45% by weight
Chemical formula of urea:	(NH ₂) ₂ CO
Other usual designations:	Harnstoff, Urea, Carbamid
CAS-No:	[57-13-6]
EG-No (EINECS-No):	200-315-5
Molecular weight:	60,10 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, yellowish solution
Odour:	Slightly like ammonia
Specification urea content:	Not less than 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 ₃)

Transport and Storage

This product is delivered in cubic tank containers (IBC) up to 1,500 l and in road tanks up to approx. 22,000 l.

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 aluminum is usually not resistant to alkali (aluminate formation).

Ordinance on hazardous substances: No dangerous material according to the GGVSE, ADR etc.

PRODUCT DATA SHEET

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Water hazard class:

WGK 1 (low hazardous to water)