



## TECHNICAL DATA SHEET

# AMMONIA SOLUTION '910' GRADE

### PRODUCT DATA AND TYPICAL PROPERTIES

Formula :  $\text{NH}_4\text{OH}$   
Molecular weight : 35.05  
pH (20°C, 1%<sup>w/w</sup> solution of '910' grade) : 11.2 (typical)  
Completely miscible with water.

### PRODUCT SPECIFICATION

Appearance		clear colourless liquid
Assay	% w/w as $\text{NH}_3$	$25.0 \pm 0.5$
Specific gravity (15.5°C)		$0.9105 \pm 0.0015$
Chloride	% as $\text{Cl}^-$	$\leq 0.0005$
Residue on evaporation (at 105°C)	% as Mass	$\leq 0.002$

The product is tested using our standard analytical methods.

### HANDLING AND STORAGE

Shelf life: Nominally 3 months. The product evolves a significant amount of ammonia gas which results in a progressive reduction in strength. The strength should be tested after the shelf life period to confirm suitability for use.

Storage Conditions: In upright, sealed containers in a cool well ventilated place, out of direct sunlight, ideally in a warehouse. Store below 25°C.  
Store away from heat and sources of ignition.

### STANDARD PACKAGING

Road tankers, according to transport regulations.  
*200 litre polythene drums and 1000 litre intermediate bulk containers (IBCs).*

### MAIN USES

As a convenient source of ammonia used in a wide range of industries.  
As a fertiliser.  
As a nutrient in fermentation processes.  
For reduction of  $\text{NO}_x$  in flue gases.

FOR HANDLING INFORMATION PLEASE CONSULT THE SAFETY DATA SHEET.

Product: AMMONIA SOLUTION 910  
Document Reference: PS 10S-910

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