



TECHNICAL DATA SHEET

AMMONIA SOLUTION 910 GRADE A

PRODUCT DATA AND TYPICAL PROPERTIES

Formula : NH_4OH
Molecular weight : 35.05
pH (20°C, 1%^{w/w} solution of '910' grade) : 11.2 (typical)
Completely miscible with water.

PRODUCT SPECIFICATION

Appearance		clear colourless liquid
Assay	% w/w as NH_3	25.0 ± 0.5
Specific gravity (15.5°C)		0.9105 ± 0.0015
Non-volatile matter (at 105°C)	$\mu\text{g/ml}$ as mass	≤ 20
Iron	% as Fe	≤ 0.00004

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.
5 litre, 25 litre, 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 NO_x in flue gases.

FOR HANDLING INFORMATION PLEASE CONSULT THE SAFETY DATA SHEET.

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