



TECHNICAL DATA SHEET

AMMONIA SOLUTION '940' GRADE

PRODUCT DATA AND TYPICAL PROPERTIES

Formula	: NH ₄ OH
Molecular weight	: 35.05
pH (neat, 20 °C)	: 13.0 (typical)
pH (20 °C, 1% ^{w/w} solution of '940' grade)	: 11.5 (typical)
Density (20 °C)	: 0.938 (938 kg/m ³) (typical)
Completely miscible with water.	

PRODUCT SPECIFICATION

Appearance		clear colourless liquid
Assay	% w/w as NH ₃	15.1 ± 0.6
Specific gravity (15.5 °C)		0.942 ± 0.002
Chloride	% as Cl ⁻	≤ 0.0005
Residue on evaporation (at 105 °C)	% as Mass	≤ 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 NO_x in flue gases.

FOR HANDLING INFORMATION PLEASE CONSULT THE SAFETY DATA SHEET.

Product: AMMONIA SOLUTION 940
Document Reference: PS 10S-940

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