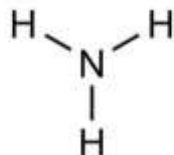


## Technical Data Sheet

# AMMONIA SOLUTION 25 % EXTRAPURE

Ammonium hydroxide solutions; ammonia aqueous ; ammonia water



<b>Product Code</b>	B-3008	<b>Grade</b>	Extrapure
<b>Purity</b>	25 %	<b>CAS No</b>	1336-21-6
<b>Molecular Formula</b>	NH <sub>4</sub> OH	<b>Molecular Weight</b>	35.05 g/mol
<b>H.S.Code</b>	2814.2000	<b>Shelf Life</b>	36 Months

## Physical Properties

<b>Physical state at 20 °C</b>	Liquid	<b>Vapour pressure [20°C]</b>	483 hPa at 20 °C
<b>Colour</b>	Clear Colorless	<b>Solubility in water [% weight]</b>	soluble
<b>Odour</b>	stinging	<b>Explosion limits - upper [%]</b>	33,6%
<b>Density [g/cm<sup>3</sup>]</b>	0.903	<b>Explosion limits -lower [%]</b>	15,4%
<b>Melting point/ Freezing point [°C]</b>	-57,5 °C	<b>Partition coefficient Log Pow octanol / water at 20°C</b>	-1,38
<b>Boiling point [°C]</b>	37,7 °C at 1.013 hPa		

## Packaging

500 ml & 2500 ml

## Specification

Appearance	Clear colorless liquid with a pungent odour
Assay ( acidimetric)	min 25.0 %
Wt.per ml at 20 °C	0.905 – 0.915 g/cm <sup>3</sup>
Colour	max 10 Hazen
Non-volatile matter	max 0.01 %
Chloride (Cl)	max 0.001 %
Sulphate (SO <sub>4</sub> )	max 0.002 %
Arsenic (As)	max 0.00002 %
Iron (Fe)	max 0.0001 %
Lead (Pb)	max 0.0001 %

## Safety Information and Hazard Symbols



Symbol: GHS05, GHS07, GHS09

Signal Word: Danger

UN No.: 2672

IMCO Class No.: 8

Packing Group: III

Hazardous Statement: H290-H314-H335-H400

Precaution Statement: P273-P280-P301+P330+P331-P305+P351+P338-P308+P310