

AMMONIA 3.8 / NH₃



Applications

Laboratory & Research
Chemical Synthesis
Heat treatment (nitriding)
Water Treatment

Transport information

Compressed gas cylinders

Proper shipping name Ammonia, anhydrous
UN-Nr 1005
ADR/RID Class 2
Classification code 2 TC



Safety Data Sheets

Liquefied gas : SDS-002-CLP
Access: https://www.msds-al.co.uk/assets/file_assets/SDS_002_CLP_Anhydrous_ammonia.pdf

Physical information

Molecular weight 17,03 g/mol
Relative density:
Relative density, gas Lighter than air
Relative density, liquid 0,68 (water=1)
Relative density, liquefied Gas 0,68 (water=1)
Colour Colorless
Odor Pungent
CAS number 7664-41-7

Properties

Hazards identification: Very toxic, irritating

Flammability range: 15.4 to 33.6 (% vol in the air)



Cylinder equipment

Valve fittings

BS341 - No 10

Shoulder colour:

Yellow (RAL 1018)



Product Specifications

Global purity (% Vol. abs) NH ₃	Impurities (ppm)	Supply mode	Packaging size	Pressure	Capacity	Product reference
≥ 99,98 %	H ₂ O < 200	Cylinder	10L	8,6 bar	5 kg	P1721S10R0A001
	Oil < 5	Cylinder	110L	8,6 bar	58 kg	P1721L99R0A001
		Cylinder	110L	8,6 bar	58 kg	P1721L99T0A001

Additional information

Storability: 36 months

Disclaimer

The information contained in this product sheet is based on the technical information and experience currently available to AIR LIQUIDE.

Users are responsible for the use or consequences of use of the information contained in this Product sheet. AIR LIQUIDE makes no warranties regarding the information contained in this document.

The users are responsible for ensuring compliance with regulations (national or European), insurance requirements or codes. Moreover the user is obliged to carry out own tests and checks regarding the suitability of the products and data described herein for his individual purposes and applications.

It is up to users of this document to ensure that they have the latest edition.

The trademarks, trade names, logos or other indications of origin displayed in this Product sheet are registered and unregistered trademarks of AIR LIQUIDE.

It is strictly forbidden to copy or reproduce some or all parts of this Product sheet.