

AMMONIA / NH₃



Air Liquide delivers ammonia in Europe under optimal safety conditions in a mode of supply to suit each of our customer's needs: cylinder, container or liquid

Air Liquide's Gas Encyclopedia - Pages: 951 - 972

Applications

Chemical synthesis
Refrigerating fluid

Transport information

Liquified Gases

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



Safety Data Sheets

Liquefied gas : EIGA002
Access: <https://be.airliquide.com/>

Physical information

Molecular weight	17 g/mol
Relative density:	
Relative density, gas	0.6 (air=1)
Relative density, liquid	0.7 (water=1)
Colour	Colorless
Odor	Ammoniacal
CAS number	7664-41-7

Properties

Hazards identification: Toxic by inhalation. Flammable gas. Causes severe skin burns and eye damage. Contains gas under pressure; may explode under the effect of heat. Very toxic to aquatic organisms. Corrosive to the respiratory tract

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

Personal protection: Ensure adequate ventilation – protect eyes, face and skin from liquid splashes. For full and more detailed information, please consult the Material Safety Data Sheet (MSDS).



Cylinder equipment

Valve fittings

Cylinder: B5 - W 21.8 x 1.814 right-hand, male

Shoulder colour:

Yellow (RAL 1018)



Product Specifications

Global purity (% Vol. abs) NH ₃	Impurities (ppm v/v)	Supply mode	Packaging size	Pressure	Capacity	Product reference
≥ 99,96 %	H ₂ O ≤ 400	Cylinder	83L	6 bar	44 kg	I9080L83R0A001
	Oil ≤ 5	Cylinder	83L DIP TUBE	6 bar	44 kg	I9080L83T0A001
		LGC	R99 1000L	6 bar	500 kg	I9080R99R0A001

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