

AMMONIA 5.0 / NH₃



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

Applications

Electronic Component / Semiconductor manufacturing
Optoelectronics, Research

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 : SDS-002-CLP

Access: <https://www.msds->

[al.co.uk/assets/file_assets/SDS_002_CLP_Anhydrous_ammonia.pdf](https://www.msds-al.co.uk/assets/file_assets/SDS_002_CLP_Anhydrous_ammonia.pdf)

Physical information

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

Properties

Hazards identification: Toxic gas, dangerous for the environment, flammable, toxic by inhalation

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



Cylinder equipment

Valve fittings

DIN 477 No 6

Shoulder colour:

Yellow (RAL 1018)



Product Specifications

Global purity (% Vol. abs) NH₃	Impurities (ppm-mol)	Supply mode	Packaging size	Pressure	Capacity	Product reference
≥ 99,999 %	H ₂ O ≤ 5	Cylinder	50L	< 99 bar	25 kg	P0914L50R0A001
	N ₂ ≤ 5					
	CO ₂ ≤ 1					
	O ₂ + Ar ≤ 1					
	O ₂ + Ar ≤ 1					

Additional information

Storability: 36 months

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