



Air Liquide delivers Nitrogen in a mode of supply to suit each of our customer's needs: liquid, cylinder or on-site production

● **Applications**

- Protective atmosphere (heat treatment)
- Inerting agent
- Pressurizing agent
- Cryogenic storage

● **Transport information**

Compressed gas

- Proper shipping name Nitrogen, compressed
- UN Nr 1066
- ADR/RID Class 2 Classification Code 1 A

Refrigerated gas

- Proper shipping name Nitrogen, refrigerated liquid
- UN Nr 1977
- ADR/RID Class 2 Classification Code 3 A



● **Safety Data sheets**

Access: <https://www.airliquide.com/safety-data-sheets>

● **Product Specification**

Components (% Vol. abs)	Impurities (ppm v/v)	Supply mode	Packaging size	Pressure (bar)	*Capacity (Sm3)
N2					
≥ 99.9%	H2O ≤ 25	Cylinder	47L	150	7
	O2 ≤ 100	Crate 16	50L	200	162
		Liquid	VGL 180L	VHP	110
		Liquid	VGL 180L	MP	117
		Liquid	VGL 180L	LP	117

*Typical capacities of the product are guaranteed for each cylinder in particular.



● **Physical information**

- Molecular weight 28.01 g/mol
- Relative density, gas 0.97 (air=1)
- Relative density, liquid 0.8 (water=1)
- CAS number 7727-37-9

● **Properties**

- Hazards identification: in high concentrations may cause asphyxiation
- Flammability range: non flammable
- Personal protection: ensure adequate ventilation

● **Cylinder equipment**

- Valve: CGA 580
- Cylinder color: Gray
- Stripe color: Black
- Scandina Caps: Black



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- Applications**

Carrier gas (GC)
 Instrumentation gas (LCMS...)
 Purge & Zero gas
 Cryogenic fluid (liquid N₂)

- Transport information**

Compressed gas

Proper shipping name Nitrogen, compressed
 UN Nr 1066
 ADR/RID Class 2 Classification Code 1 A



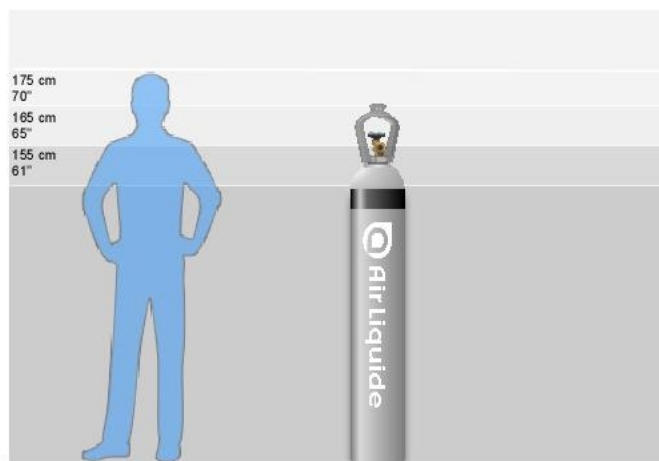
- Safety Data sheets**

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- Product Specification**

Components (% Vol. abs)	Impurities (ppm v/v)	Supply mode	Packaging size	Pressure (bar)	*Capacity (Sm ³)
N ₂					
≥ 99.995%	H ₂ O ≤ 5	Cylinder	47L	150	7
	O ₂ ≤ 5				

*Typical capacities of the product are guaranteed for each cylinder in particular.



- Physical information**

Molecular weight 28.01 g/mol
 Relative density, gas 0.97 (air=1)
 Relative density, liquid 0.8 (water=1)
 CAS number 7727-37-9

- Properties**

Hazards identification: in high concentrations may cause asphyxiation
 Flammability range: non flammable
 Personal protection: ensure adequate ventilation

- Cylinder equipment**

Valve: CGA 580
 Cylinder color: Gray
 Stripe color: Black
 Scandina Caps: Gray



*the simple solution to enhance your analytical performance
the commitment to quality for % to ppm analysis*

- Applications**

Carrier gas (GC)
Instrumentation gas (LCMS...)
Purge & Zero gas
Cryogenic fluid (liquid N2)

- Transport information**

Compressed gas

Proper shipping name Nitrogen, compressed
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- Safety Data sheets**

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- Product Specification**

- Physical information**

Molecular weight 28.01 g/mol
Relative density, gas 0.97 (air=1)
Relative density, liquid 0.8 (water=1)
CAS number 7727-37-9

- Properties**

Hazards identification: in high concentrations may cause asphyxiation
Flammability range: non flammable
Personal protection: ensure adequate ventilation

- Cylinder equipment**

Valve: CGA 580
Cylinder color: Gray
Stripe color: Black
Scandina Caps: White

Components (% Vol. abs)	Impurities (ppm v/v)	Supply mode	Packaging size	Pressure (bar)	*Capacity (Sm3)
N2					
≥ 99.999%	H2O ≤ 3	Cylinder	47L	150	7
	O2 ≤ 2	Crate 16	50L	200	162
	CnHm ≤ 1				

*Typical capacities of the product are guaranteed for each cylinder in particular.



ALPHAGAZ 1 NITROGEN



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- Applications**

- Carrier gas (GC)
- Instrumentation gas (LCMS...)
- Purge & Zero gas
- Cryogenic fluid (liquid N2)

- Transport information**

Compressed gas

- Proper shipping name Nitrogen, compressed
- UN Nr 1066
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- Product Specification**

Components (% Vol. abs)	Impurities (ppm v/v)	Supply mode	Packaging size	Pressure (bar)	*Capacity (Sm3)
N2					
≥ 99.999%	O2 ≤ 2	Cylinder	50L	200	10
	H2O ≤ 2	**Crate 8	50L	200	81
	CnHm ≤ 0.5				
	CO2 ≤ 0.5				
	CO ≤ 0.5				

*Typical capacities of the product are guaranteed for each cylinder in particular.

** On demand



- Physical information**

- Molecular weight 28.01 g/mol
- Relative density, gas 0.97 (air=1)
- Relative density, liquid 0.8 (water=1)
- CAS number 7727-37-9

- Properties**

- Hazards identification: in high concentrations may cause asphyxiation
- Flammability range: non flammable
- Personal protection: ensure adequate ventilation

- Cylinder equipment**

- Valve: CGA 580
- Cylinder color: Gray
- Stripe color: Black
- Scandina Caps: White

DISCLAIMER

The information contained in this Product Sheet is of a general nature and does not take into account any specific or local condition or regulation and shall neither be considered as recommendations. AIR LIQUIDE assumes no liability or responsibility regarding the information contained in this Product Sheet, the completeness of this document, for the use of the information or consequences of such use, and disclaims all warranties (direct or indirect) of any kind.