



TIGCS delivers Nitrogen in a mode of supply to suit each of our customer's needs: cylinder, liquid container, bulk or onsite 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



• 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

• Safety Data sheets

Access:

• Product Specification

Components (% Vol. abs) N2	Impurities (ppm v/v)	Supply mode	Packaging size	Pressure (bar)	*Capacity (m3)
≥ 99.9%	H2O ≤ 25	Cylinder	47L	150	7
	O2 ≤ 100	Pack 16	50L	200	162
		Liquid	VGL 180L	LP	128
		Liquid	VGL 180L	MP	117
		Liquid	VGL 180L	VHP	110

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



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. TIGCS 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.