

ALPHAGAZ™ 1 NITROGEN / N₂



Air Liquide's Gas Encyclopedia - Pages: 1019 - 1052

Applications

Instrumentation Gas: Carrier gas
 Make-up gas
 Shield gas
 Purge gas, Nebuliser gas

Transport information

Compressed gases

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

Refrigerated Gases

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



Safety Data Sheets

Compressed gas : SDS-089A-CLP
 Access: [https://www.msds-al.co.uk/assets/file_assets/SDS-089A_CLP_Nitrogen\(7727-37-9\).pdf](https://www.msds-al.co.uk/assets/file_assets/SDS-089A_CLP_Nitrogen(7727-37-9).pdf)

Physical information

Molecular weight	28,01 g/mol
Relative density:	
Relative density, gas	0,97 (air=1)
Relative density, liquid	0,8 (water=1)
Relative density, liquefied Gas	0,8 (water=1)
Colour	Colorless
Odor	Odorless
CAS number	7727-37-9

Properties

Hazards identification: In high concentrations may cause asphyxiation

Flammability range: Non-flammable



Cylinder equipment

Valve fittings

BS341 - No 3

Shoulder colour:

Black (RAL 9005)



Product Specifications

Global purity (% Vol. abs) N ₂	Impuretés (ppm-mol)	Supply mode	Packaging size	Pressure	Capacity	Product reference
≥ 99,999 %	H ₂ O ≤ 2 ppm	Cylinder	50L SMARTOP	200 bar	9,4 m3	P0271L50S2A001
	O ₂ ≤ 2 ppm					
	CnHm ≤ 0,5 ppm					
	CO ≤ 1 ppm					
	CO ₂ ≤ 1 ppm					

Additional information

Storability: 60 months

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