

# NITROGEN / N<sub>2</sub>



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

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

## Applications

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

## Transport information

### Compressed gas cylinders

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 : EIGA089A  
Access: <https://be.airliquide.com/>  
Refrigerated gas : EIGA089B  
Access: <https://be.airliquide.com/>

## 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

**Personal protection:** Ensure adequate ventilation. For full and more detailed information, please consult the Material Safety Data Sheet (MSDS).



## Cylinder equipment

### Valve fittings

Cylinder: B4 - IS 21.7 x 1.814 right-hand, male  
Bundle: WW 1" 1/8 right-hand, male

### Shoulder colour:

Black (RAL 9005)



## Product Specifications

Global purity (% Vol. abs)  N <sub>2</sub>	Impurities (ppm v/v)	Supply mode	Packaging size	Pressure	Capacity	Product reference
≥ 99,8 %	H <sub>2</sub> O (5 bar) ≤ 40	Cylinder	50L	200 bar	10 m <sup>3</sup>	I4001L50R2A001
	O <sub>2</sub> ≤ 100	Liquid	-		20 L	I4002C20
		Ranger	180 L	<1.5 bar	158 L	I4002R18RMA001
		LGC	L450 MP	<1.5 bar	405 L	I4002R45RMA001
		Liquid	-		50 L	I4002XXX
		Liquid	-			I4100RG

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