

PHARGALIS™ 1 / N₂



PHARGALIS™ : Air Liquide's global solution for the pharmaceutical industry

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

Applications

Pharmaceutical gases for

- Inerting, blanketing and purging in API and drug manufacturing
- Pneumatic transfer of intermediate or finished products
- Controlled atmosphere in biomanufacturing
- Freeze drying (vacuum control)
- Packaging
- Desoxygenation

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 : N° EIGA089A-PHA

Access: <https://be.airliquide.com/>

Refrigerated gas : N° EIGA089B-PHA

Access: <https://be.airliquide.com/>

Physical information

Molecular weight	28.01 g/mol
Relative density:	
Relative density, gas	0.97 (air=1)
Colour	Colorless
Odor	Odorless
CAS number	7727-37-9

Properties

Hazards identification: Asphyxiation in high concentrations

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)	Impurities (ppm v/v)	Supply mode	Packaging size	Pressure	Capacity	Product reference
N ₂						
≥ 99,5 %	H ₂ O (5 bar) ≤ 67	Cylinder	50L	200 bar	10 m ³	I4070L50R2A001
	O ₂ ≤ 5	Bundle	V12*50L	200 bar	120 m ³	I4070V12R2A001
	CO ≤ 5	Liquid	-			I4120RG
	CO ₂ ≤ 300					

Additional information

This product complies with the with the three major pharmacopoeias for Nitrogen (Ph-EU, Ph-EU low oxygen, USP-NF and JP-Ph). The products are traceable and delivered with certificates of analysis and conformity This product is manufactured (cerfied Excipact), controlled and distributed in compliance with Good Manufacturing Practises (GMP) and Good Distribution Practises (GDP) for pharmaceutical Excipients (joint IPEC-PQG)

Stability: 36 months

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