

ALPHAGAZ™ 1 Nitrous Oxide / N₂O



ALPHAGAZ™, the simple solution to enhance your analytical performance
ALPHAGAZ™ 1, the commitment to quality for % to ppm analysis

Air Liquide's Gas Encyclopedia - Pages: 1053 – 1060

Applications

Flame gas (AAS)

Transport information

Liquified Gases

Proper shipping name	Nitrous oxide
UN-Nr	1070
ADR/RID	Class 2
	Classification code 2 0



Safety Data Sheets

Compressed gas : N° EIGA093A
 Access: <https://be.airliquide.com/>

Physical information

Molecular weight	44,01 g/mol
Relative density:	
Relative density, gas	1.5 (air=1)
Relative density, liquid	1.2 (water=1)
Colour	Colorless
CAS number	10024-97-2

Properties

Hazards identification: May cause or intensify fire; oxidizer. Contains gas under pressure; may explode under the effect of heat. Asphyxiant at high concentration.

Personal protection: Do not smoke while handling product. Ensure adequate ventilation. Protect eyes, faces and skin from liquid splashes. Do not use oil or grease. 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

Shoulder colour:

Light blue (RAL 5012)



Product Specifications

Global purity (% Vol. abs)	Impurities (ppm-mol)	Supply mode	Packaging size	Pressure	Capacity	Product reference
N ₂ O						
≥ 99,6 %	N ₂ ≤ 0.4 %	Cylinder	50L	44 bar	37 kg	P0311L50R0A001

Additional information

Shelf life: 60 months

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