

# ALPHAGAZ™ 1 Nitrous Oxide / N<sub>2</sub>O



*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.



## 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 <sub>2</sub> O						
≥ 99,6 %	N <sub>2</sub> ≤ 0.4 %	Cylinder	50L	44 bar	37 kg	P0311L50R0A001

## Additional information

Shelf life: 60 months

## Disclaimer

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