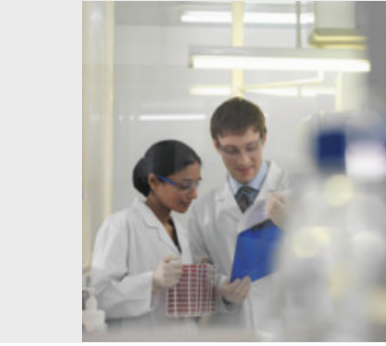


# NITROUS OXIDE N25 / N<sub>2</sub>O



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

## Applications

AAS

## Transport information

### Liquified Gases

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



## Safety Data Sheets

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

## Physical information

Molecular weight	44 g/mol
Relative density:	
Relative density, gas	1.5 (air=1)
Colour	Colorless
Odor	Sweet
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.

**Flammability range:** Non-flammable

**Personal protection:** Ensure adequate ventilation



## 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:

Blue (RAL 5010)



## Product Specifications

Global purity (% Vol. abs) N <sub>2</sub> O	Impurities (ppm v/v)	Supply mode	Packaging size	Pressure	Capacity	Product reference
≥ 99,5 %	O <sub>2</sub> ≤ 1000	Cylinder	10L	44 bar	7,5 kg	I8001S10R0A001
	N <sub>2</sub> ≤ 4000	Cylinder	50L	44 bar	37 kg	I8001L50R0A001
	CO ≤ 5	Bundle	V09*50L	44 bar	333 kg	I8001V09R0A001
	CO <sub>2</sub> ≤ 100					
	H <sub>2</sub> ≤ 1					

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