



# Nitrous Oxide

## Description

Nitrous Oxide is colourless, non-flammable, non-toxic gas with a slightly sweetish taste and odour. It is supplied in metal high pressure cylinders as a liquified gas under its own pressure.

## Applications

### Instrument Grade

- Used in scientific, medical and food applications
- Used in Atomic Absorption Spectroscopy to increase flame ionisation temperature
- Medical aerosol propellant
- Used in the manufacture of whipped cream, paints, pesticides and cosmetics

### Engine Boost Grade

- Engine boost for high performance motors. When introduced, it increases the internal combustion power output by allowing fuel to be burned at a higher rate than would normally be the case.

## Hazard statement(s)

- May cause or intensify fire; oxidizer.
- Contains gas under pressure; may explode if heated.

## Prevention statement(s)

- Keep/Store away from clothing/incompatible materials/combustible materials.
- Keep reduction valves free from grease and oil.

## Response statement(s)

- In case of fire: Stop leak if safe to do so.

## Disposal statement(s)

- None allocated.

## Storage statement(s)

- Protect from sunlight. Store in a well-ventilated place.

## Other hazards

- In high concentrations may cause asphyxiation. Contact with liquid may cause cold burns/frostbite.

**Signal Word:** Danger

**UN No.:** 1070

**Hazard No.:** 2P

**Chem Symbol:** N<sub>2</sub>O

**Pictograms:**





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## General Specifications

Specifications	G Cylinder
Cylinder/Pack (101.325kPa @15°C) - kg	30
Water capacity per Cylinder - L	50
Cylinder Colour	Ultramarine
Outlet Connection	Type 30
Package Dimensions (H x W x D) - mm	1,580 x 230

Cylinder dimensions are approximate – variations may occur due to manufacturing tolerances. Height includes the valve. Container sizes may vary from state to state.

## Package Sizes Available



## Quality Assurance

Supagas Pty Ltd is committed to comply with the requirements of ISO 9001-2019 and to continually improve the effectiveness of our Quality Management System.

Everyone at Supagas understands we must provide a safe environment for both our employees and the wider community. We are therefore committed to implement and maintain a continual improvement approach throughout the organisation whilst also meeting all applicable statutory and regulatory requirements.

## For Further Information

On how we can help you with all your residential and industrial gas needs, view our website [supagas.com.au](http://supagas.com.au), call Customer Service on 13 78 72 or drop in to your local Supagas branch.

## Typical Analysis

Product Type	NO	CO	CO <sub>2</sub>
Engine/Instrument Grade	>99.9%	<0.5ppm	<10ppm