

# 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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you can't bottle attitude

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## General Specifications

| Specifications                       | G Cyl.      |
|--------------------------------------|-------------|
| Cylinder/Pack (101.325kPa @15°C) - L | 17.0        |
| 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



## Typical Analysis

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

## Quality Assurance

Supagas Pty Ltd is committed to comply with the requirements of ISO 9001-2015 and to continually improve the effectiveness of our Quality Management System.

We review the Quality Management System and the quality policy on a regular basis to ensure effectiveness and suitability to the organisation.

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 gas and welding needs, drop in to your local Supagas branch or call Customer Service on 13 78 72.

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