

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: N₂O

Pictograms:





Nitrous Oxide

General Specifications

Specifications	G Cylinder
Cylinder/Pack (101.325kPa @15°C) - m ³	17
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 9001-2015 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.

NATA Accreditation

The Supagas Laboratory located in Ingleburn, NSW has a NATA

Accreditation (No. 18955). Accredited for compliance with ISO/IEC 17025 and ISO Guide 34, Reference Gas Mixtures prepared to ISO 6142.



Typical Analysis

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

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.