

Nitrogen, Ref. Liq.



Description

Nitrogen is an almost totally inert gas which is both colourless and odourless. Liquid Nitrogen is non flammable and does not support combustion.

Applications

- Wine sparging/inerting
- Purging
- Tyre inflation
- Inert atmospheres
- Food packaging
- Gauge calibration
- Metal degassing
- Aerosol propellant
- Hydraulic systems
- Photo processing
- Mixed with H₂ or He for leak detection
- Food freezing
- Plastic forming
- Pipeline testing
- Air tools
- Firefighting
- Medical
- Laser Assist Gas
- Medical & Lab Applications

Hazard statement(s)

- Contains refrigerated gas; may cause cryogenic burns or injury.

Prevention statement(s)

- Wear cold insulating gloves/face shield/eye protection.

Response statement(s)

- Get immediate medical advice/attention.
- Thaw frosted parts with lukewarm water. Do not rub affected area.

Storage statement(s)

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

Other hazards

- Asphyxiant. Effects are proportional to oxygen displacement.

Signal Word: Warning

UN No.: 1977

Hazard No.: 2T

Chem Symbol: N₂

Pictograms:





Nitrogen, Ref. Liq.

General Specifications

Physical Data	
Chemical Symbol	N ₂
Boiling Point	-195.8°C
Relative Density (Air=1)	0.967
Molecular Weight	28.013
Critical Temperature	-147.1°C
Flashpoint	Non flammable
Density of Gas @ 101.3 kPa & 15°C	1.170 kg/m ³
Density of Liquid (B.Pt.)	809 kg/m ³
Specific Volume @ 101.3 kPa & 15°C	0.855 m ³ /kg

Storage Tanks

Tank Size Range
≥250 - < 60,000 lt

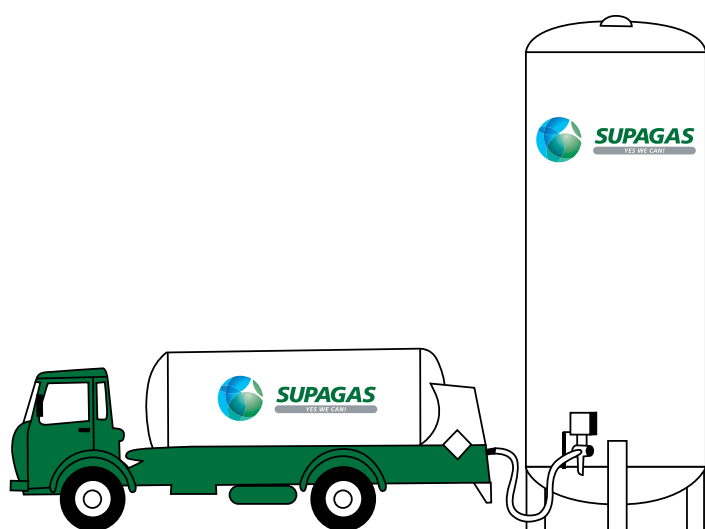
Quality Assurance

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



Typical Analysis

Product Type	N ₂	O ₂	Moisture
Refrigerated Liquid	99.999%	<5ppm	<5ppm